



**Maryland Stadium Authority**

**Request for Proposals**

**Architectural/Engineering Services**

**Hagerstown Multi-Use Sports and Events Facility**

**Issue Date: October 31, 2019**

**KEY INFORMATION SUMMARY SHEET**

**MARYLAND STADIUM AUTHORITY**

**Request for Proposals**

**Architectural/Engineering Services**

**Hagerstown Multi-Use Sports and Events Facility**

**RFP Issue Date:** October 31, 2019

**Procurement Officer:** Yamillette C. Waite  
Maryland Stadium Authority  
351 West Camden Street, Suite 300  
Baltimore, Maryland 21201  
Office Phone: (410) 223-4103  
E-mail: [ywaite@mdstad.com](mailto:ywaite@mdstad.com)

**Procurement Method:** Competitive Sealed Proposals

**MBE Participation Goal:** 10% MBE goal

**Site Visit and Pre-Proposal Conference:** November 8, 2019 at 10:30 a.m.  
Hagerstown City Hall  
1 Franklin St.  
Hagerstown, Maryland 21740

**Closing Date and Time (Local Time)**  
**Technical Proposals:** November 25, 2019 at 1:00 p.m.,  
(Local Time)

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## SECTION 1

### GENERAL INFORMATION

#### 1.1 Summary Statement

In May 2019, the Maryland Stadium Authority (hereinafter the “MSA”) released a report titled “Market and Site Assessment for a Proposed New Minor League Baseball Ballpark in Hagerstown, Maryland” (hereinafter “the Report”). The Report includes a market and site assessment related to this Project. The Report is attached hereto as **Attachment C**, Phase I Report, and is available via the MSA’s website at:

<https://www.mdstad.com/sites/default/files/Hagerstown%20MiLB%20Stadium%20Market%20and%20Site%20Assessment%20Final%20Report%20May%2C%202019.pdf>.

In October 2019, the City of Hagerstown (hereinafter the “City”) and MSA entered into a Memorandum of Understanding for MSA to provide architectural/engineering services related to the potential development of a multi-use sports and events facility (hereinafter the “Project”) at the Baltimore Street site in Hagerstown, as identified in the Report.

Through this solicitation, MSA is seeking a highly qualified Architectural and Engineering firm (hereinafter “A/E”) to provide the Scope of Work described in Section 3, Purpose and Scope of Services, of this Request for Proposals (hereinafter the “RFP”).

#### 1.2 Abbreviations and Definitions

For purposes of this RFP, the following abbreviations and terms have the meanings indicated below:

- a. **A/E** – The Architectural/Engineering Offeror selected pursuant to the requirements of this RFP.
- b. **Client** – The City of Hagerstown.
- c. **COMAR** – Code of Maryland Regulations (available at <http://www.dsd.state.md.us>).
- d. **Construction Manager (hereinafter “CM”)** – A third party engaged by the MSA to provide pre-construction and construction management services.
- e. **Contract** - The contract entered into between MSA and the selected Offeror. The Contract will include all general MSA terms and conditions, and will incorporate the entire RFP, including any addenda to the RFP, and all or indicated portions of the selected Offeror’s

proposal. A sample of the Contract is attached hereto as **Attachment G**.

- f. **eMMA** - eMaryland Marketplace Advantage (<https://procurement.maryland.gov>).
- g. **Local Time** – Time in the Eastern Time Zone as observed by the State.
- h. **MBE** –Minority Business Enterprise certified by the Maryland Department of Transportation (“MDOT”).
- i. **MSA** – Maryland Stadium Authority (<http://www.mdstad.com>)
- j. **MSA Business Hours** – 8:30 A.M. to 5:00 P.M., local time, Monday through Friday, excluding State holidays and official State closures.
- k. **MSA Procurement Policies** – MSA procurement policies and procedures (available at <http://www.mdstad.com>).
- l. **Notice to Proceed (hereinafter “NTP”)** – A formal notification issued by the Procurement Officer that directs the successful Offeror to perform work and establishes the date on which the work is to commence on the Project.
- m. **Offeror** - An entity that submits a Proposal in response to this RFP.
- n. **Procurement Officer (hereinafter “PO”)** – The MSA representative responsible for this RFP. MSA may change the Procurement Officer at any time and will provide written notice to the Offerors of any such change.
- o. **Project** – A multi-purpose sports complex to include a baseball field, an opportunity for soccer and other sports, as well as entertainment options such as, but not limited to, concerts and community events.
- p. **Project Manager (hereinafter “PM”)** – The MSA representative for this Contract that is primarily responsible for contract administration functions, including issuing written direction, and monitoring the Contract to ensure compliance with terms and conditions of the Contract. MSA may change the PM at any time by written notice to the A/E.
- q. **Project Team** – Includes MSA, the City of Hagerstown, and any firm or government agency MSA may engage on the Project.
- r. **Proposal** - The submission provided by Offerors in response to this RFP.

- s. **RFP** - This Request for Proposals.
- t. **Selection Committee**- The representatives selecting the A/E firm.
- u. **State** - The State of Maryland.

### **1.3 Contract Type**

The contract that results from this RFP will include a fixed fee for professional services, a not-to-exceed allowance for certain reimbursable expenses, and a contingency amount to be used by MSA in its sole discretion. After execution, the Contract amount shall not be exceeded without the required contract modification.

### **1.4 Contract Duration**

The term of the Contract will be for a period necessary to complete the scope of work and as agreed upon by MSA and the A/E.

### **1.5 Procurement Officer**

The sole point-of-contact for purposes of this RFP is the Procurement Officer listed below:

**Yamillette C. Waite**  
**Maryland Stadium Authority**  
**351 West Camden Street, Suite 300**  
**Baltimore, Maryland 21201**  
**Telephone: 410-223-4103**  
**Email: [ywaite@mdstad.com](mailto:ywaite@mdstad.com)**

MSA may change the Procurement Officer at any time and will provide written notice to the Offerors.

### **1.6 Pre-Proposal Conference and Site Visit**

A pre-proposal conference and site visit (“Conference”) will be held on November 8, 2019 at 10: 30 a.m., Local Time at Hagerstown City Hall, 1 Franklin St., Hagerstown 21740. Attendance at the Conference is not mandatory but strongly recommended. Please use this link to register: [AE Hagerstown Pre-Proposal & Site Visit Registration](#)

## **1.7 The Project Manager**

The Project Manager is:

Al Tyler  
Maryland Stadium Authority  
351 West Camden Street, Suite 300  
Baltimore, Maryland 21201

MSA may change the Project Manager at any time by written notice to the A/E firm.

## **1.8 e-Maryland Marketplace Advantage (“eMMA”)**

In order to receive a contract award, a vendor must be registered on eMMA. Registration is free. Go here to register: <https://procurement.maryland.gov>  
Click on “Registration” to begin the process and follow the prompts.

## **1.9 Questions**

Questions regarding this RFP shall be submitted electronically in Word or PDF format via the following upload link no later than **1:00 p.m. (Local Time) on November 15, 2019:**

<https://mdstad.sharefile.com/r-r7613af106e44119b>

Please include information regarding the name of the firm, representative’s name, and contact information. Based on the availability of time to research and communicate an answer, the Procurement Officer will decide whether an answer can be given before the proposal closing date. Answers to all substantive questions that have not previously been answered, and are not clearly specific to the requestor, will be provided via addendum.

## **1.10 Technical Proposals - Closing Date and Time**

To be considered, Technical Proposals must be uploaded to the following link no later than **November 25 at 1:00 p.m. (Local Time):**

<https://mdstad.sharefile.com/r-re228904734948929>

Requests for extension of this date and/or time will not be granted. Offerors should allow sufficient electronic transmission time to ensure timely receipt of their proposals. Proposals received by MSA after the deadline will not be considered. Proposals will not be reviewed publicly.

## **1.11 Oral Presentations**

Short-listed Offerors will be required to make oral presentations to the Selection Committee. Significant representations made by an Offeror during the oral presentation must be confirmed in writing. All such representations will become part of the Offeror's Proposal and are binding if a Contract is awarded as a result of this RFP. Oral Presentations are to be held on December 17 and December 18, 2019. In your Technical Proposal, please state your availability for the dates provided. Typically, oral presentations will follow a specified format and generally be limited to 60 minutes [45 minutes for the presentation and 15 minutes for questions]. The Procurement Officer will notify the short-listed Offerors with details and instructions prior to the presentation.

The presentation must consist of, but not be limited to, a discussion of the Offeror's specific approach to the project, understanding of the scope of work, and how it intends to execute the work within schedule and budget.

## **1.12 Duration of Offer**

Proposals submitted in response to this RFP are irrevocable for **180 days** following the closing date for proposals, the deadline for the submission of Best and Final Offers ("BAFO"), if requested, or the date any protest concerning this RFP is finally resolved. This period may be extended at the Procurement Officer's request only with the Offeror's written agreement.

## **1.13 Proposal Affidavit**

A completed Bid/Proposal Affidavit must accompany the Proposal submitted by an Offeror. A copy of this Affidavit is included as **Attachment A** of this RFP.

## **1.14 Contract Affidavit**

All Offerors are advised that if a contract is awarded as a result of this RFP, the successful Offeror will be required to complete a Contract Affidavit. A copy of this Affidavit is included, for informational purposes only, as **Attachment I** of this RFP. This Affidavit must be provided within 5 business days after notification of proposed contract award. For purposes of completing Section "B" of the affidavit (Certification of Registration or Qualification with the State Department of Assessments and Taxation), a business entity that is organized outside of the State of Maryland is considered a "foreign" business.

## **1.15 Procurement Method**

The Contract resulting from this RFP will be awarded in accordance with the Competitive Sealed Proposals process under Section 3 (C) of MSA's



Procurement Policies. MSA's Procurement Policies are available for review on MSA's website ([www.mdstad.com](http://www.mdstad.com)) or may be obtained by contacting the Procurement Officer.

### **1.16 Arrearages**

By submitting a response to this RFP, an Offeror represents that it is not in arrears in the payment of any obligations due and owing the State of Maryland, including, by way of example only, the payment of taxes and employee benefits, and that it will not become so in arrears during the term of the Contract if selected for contract award.

### **1.17 Revisions to the RFP**

If it becomes necessary to revise this RFP before the closing date for proposals, an addendum/addenda will be posted to eMMA and to MSA's website. Addenda issued after the closing date for proposals will be sent only to those Offerors who submitted a responsive and timely proposal, or firms that were short-listed to participate in the next phase of the procurement process. Acknowledgment of the receipt of all addenda to this RFP issued before the proposal closing date must accompany the Offeror's Proposal as identified in Section 4.

Acknowledgement of receipt of addenda to the RFP issued after the proposal closing date shall be in the manner specified in the addendum notice. Failure to acknowledge receipt of addenda does not relieve the Offeror from complying with all terms of any such document.

### **1.18 Cancellations; Discussions**

MSA reserves the right to cancel this RFP, to accept or reject any and all proposals, in whole or in part, received in response to this RFP, to waive or permit cure of minor irregularities, and to conduct discussions with any or all qualified or potentially qualified Offerors in any manner necessary to serve the best interests of MSA. This may be followed by submission of Offeror-revised Proposals and "BAFO" request. MSA also reserves the right, in its sole discretion, to award a contract based upon written proposals received, without prior discussions or negotiations.

### **1.19 False Statements**

MSA incorporates by reference the provisions of Section 11-205.1 of the State Finance and Procurement Article of the Annotated Code of Maryland regarding truthfulness in the information included in the contract documents. Offeror shall comply with the obligations set forth therein, including, without limitation, the following:

- a) In connection with a procurement contract, a person may not

willfully:

1. Falsify, conceal, or suppress a material fact by any scheme or device;
2. Make a false or fraudulent statement or representation of a material fact; or
3. Use a false writing or document that contains a false or fraudulent statement or entry of a material fact.

b) A person may not aid or conspire with another person to commit an act under subsection of this section.

c) A person who violates any provision of this section is guilty of a felony and on conviction is subject to a fine not exceeding \$20,000 or imprisonment not exceeding five years or both.

### **1.20 Minority Business Enterprise**

A minimum overall MBE subcontract participation goal of ten percent (10%) has been established for this solicitation. All subconsultants named by the Offeror as part of its MBE Schedule must be certified with the Maryland Department of Transportation (hereinafter "MDOT"). Offerors' submissions must also include the MBE subconsultant's MDOT certification number as well as the North American Industry Classification System (hereinafter "NAICS" code) product and service description to be performed. The forms (with instructions) that are required for submissions in response to this RFP are attached hereto as **Attachment D**. The most up-to-date information on certified MBE firms is available on MDOT's directory:

<http://mdot.state.md.us>. The Governor's Office of Small, Minority & Women Business Affairs (hereinafter "GOSBA") has issued a Q&A regarding counting participation by MBE primes. Please refer to GOSBA's website (<http://goma.maryland.gov>).

### **1.21 Incurred Expenses; Economy of Preparation**

MSA will not be responsible for any costs incurred by an Offeror in preparing and submitting a proposal, making an oral presentation, providing a demonstration or performing any other activities related to this RFP. Proposals should be prepared simply and economically, providing a straightforward, concise description of how the Offeror proposes to meet the requirements of this RFP.

### **1.22 Protests/Disputes**

Any protest or dispute related to this RFP or a resulting Contract will be subject to Section 10 of MSA's Procurement Policies and Procedures and the relevant provisions of the Contract. MSA's Procurement Policies are available for review on MSA's website at [www.mdstad.com](http://www.mdstad.com) or may be obtained by contacting the Procurement Officer.

### **1.23 Access to Public Records Act Notice**

An Offeror should give specific attention to the clear identification of those portions of the Proposal that it considers confidential, proprietary commercial information or trade secrets, and provide written justification why such materials, upon request, should not be disclosed by the State under the Public Information Act, Title 4 of the General Provisions Article of the Annotated Code of Maryland. Offerors are advised that, upon request for this information from a third party, the Procurement Officer is required to make an independent determination regarding whether the information may be disclosed.

### **1.24 Offeror Responsibilities**

The A/E shall be responsible for all products and services required by this RFP. Subconsultants must be identified, and a complete description of their roles relative to the Proposal must be included in the Proposal. The A/E retains responsibility for all work to be performed, and any deliverable submitted, by a subconsultant. If an Offeror that seeks to perform or provide the services required by this RFP is the subsidiary of another entity, all information submitted by the Offeror such as, but not limited to, references and financial reports, shall pertain exclusively to the Offeror, unless the parent organization will guarantee the performance of the subsidiary. If applicable, the Offeror's proposal must contain an explicit statement that the parent organization will guarantee the performance of the subsidiary.

### **1.25 Patents, Copyrights, and Intellectual Property**

- a) If the A/E furnishes any design, device, material, process or other item that is covered by a patent or copyright or that is proprietary to or a trade secret of another, it shall obtain the necessary permission or license to permit MSA to use such item.
- b) The A/E will defend or settle, at its own expense, any claim or suit against MSA alleging that any such item furnished by the A/E infringes any patent, trademark, copyright, or trade secret. If a third party claims that a product infringes that party's patent, trademark, copyright or trade secret, the A/E will defend MSA against that claim at the A/E's expense and will pay all damages, costs, and attorney's fees that a court finally awards, provided MSA: (i) promptly notifies A/E in writing of the claim; and (ii) allows the A/E to control, and cooperates with the A/E in, the defense and any related settlement negotiations. The obligations of this paragraph are in addition to those stated in the next paragraph.
- c) If any product(s) furnished by the A/E become, or in the A/E's opinion is/are likely to become, the subject of a claim of infringement, the

A/E will, at its option and expense: (i) procure for MSA the right to continue using the applicable item; (ii) replace the product with a non-infringing product substantially complying with the item's specifications; or (iii) modify the item so that it becomes non- infringing and performs in a substantially similar manner to the original item.

#### **1.26 Non-Availability of Funding**

If the General Assembly fails to appropriate funds or if funds are not otherwise made available for continued performance for any fiscal period of a contract succeeding the first fiscal period, the contract shall be canceled automatically as of the beginning of the fiscal year for which funds were not appropriated or otherwise made available; provided, however, that this will not affect the rights of the A/E and/or MSA under any termination clause in the contract. The effect of termination of the contract hereunder will be to discharge the A/E, and MSA from future performance of the contract, but not from their rights and obligations existing at the time of termination. The A/E shall be reimbursed for the reasonable value of any nonrecurring costs incurred but not amortized in the price of the contract. MSA shall notify the A/E as soon as it has knowledge that funds may not be available for the continuation of the contract for each succeeding fiscal period beyond the first.

#### **1.27 Financial Disclosure**

The A/E shall comply with Section 13-221 of the State Finance and Procurement Article of the Annotated Code of Maryland, which requires that every person that enters into contracts, leases, or other agreements with the State or its agencies during a calendar year under which the business is to receive in the aggregate, \$100,000 or more, shall, within 30 days after the aggregate value of these contracts, leases or other agreements reaches \$100,000, file with the Secretary of the State of Maryland certain specified information to include disclosure of beneficial ownership of the business.

#### **1.28 Non-Exclusive Use**

Neither this RFP nor any resulting Contract shall be construed to require MSA to use any Offeror or exclusively use the A/E for the services described in this RFP. MSA reserve the right to obtain services of any nature from other sources when it is in the best interest of MSA to do so and without notice to any party. MSA makes no guarantees that it will purchase any products or services from the A/E resulting from this RFP.

#### **1.29 Sustainability Policies**

MSA is committed to procuring all supplies, services, maintenance, construction, and architectural/engineering services in a manner consistent with the promotion of sound environmental practices. All goods and services

provided in response to this solicitation shall conform to those environmental standards.

### **1.30 Payments by Electronic Fund Transfer**

By submitting a response to this RFP, the Offeror agrees to accept payments by electronic funds transfer ("EFT"). A form will be provided to the selected Offeror.

### **1.31 Confidentiality**

Subject to the Maryland Public Information Act and any other applicable laws, all confidential or proprietary information and documentation relating to either party to a Contract resulting from this RFP (including without limitation any information or data stored within the A/E's computer systems) shall be held in absolute confidence by the other party. Each party shall, however, be permitted to disclose relevant confidential information to its officers, agents, and employees to the extent that such disclosure is necessary for the performance of their duties under the Contract, provided that the data may be collected, used, disclosed, stored, and disseminated only as provided by and consistent with the law. The provisions of this section shall not apply to information that (a) is lawfully in the public domain; (b) has been independently developed by the other party without violation of the Contract; (c) was already in the possession of such party; (d) was supplied to such party by a third-party lawfully in possession thereof and legally permitted to further disclose the information; or (e) such party is required to disclose by law.

### **1.32 Loss of Data**

In the event of loss of any MSA data or records where such loss is due to the intentional act or omission or negligence of the A/E or any of its subconsultants or agents, the A/E shall be responsible for recreating such lost data in the manner and on the schedule set by the Procurement Officer. The A/E shall ensure that all data is backed up and recoverable by the A/E.

### **1.33 Non-Hiring of Employees**

No official or employee of the State, as defined in State Government Article, § 15-102, Annotated Code of Maryland, whose duties as such official or employee include matters relating to or affecting the subject matter of this procurement, shall, during the pendency and term of a resulting Contract, and while serving as an official or employee of the State, become or be an employee of the A/E or any entity that is a subconsultant on said Contract.

### **1.34 Nondiscrimination in Employment**

The A/E agrees: (a) not to discriminate in any manner against an employee or applicant for employment because of race, color, religion, creed, age, sex, marital status, sexual orientation, national origin, ancestry, or disability of a qualified individual with a disability; (b) to include a provision similar to that contained in subsection (a) above in any subcontract except a subcontract for standard commercial supplies or raw materials; and (c) to post, and to cause subconsultants to post, in conspicuous places available to employees and applicants for employment, notices setting forth the substance of this clause.

### **1.35 Contingent Fee Prohibition**

The A/E warrants that it has not employed or retained any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson or commercial selling agency working for the A/E, to solicit or secure a Contract, and that it has not paid or agreed to pay any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson or commercial selling agency, any fee or other consideration contingent on the making of a Contract.

### **1.36 Political Contribution Disclosure**

The A/E shall comply with Election Law Article, §§14-101 to 14-108, Annotated Code of Maryland, which requires that every person that enters into contracts, leases, or other agreements with the State, a county, an incorporated municipality, or its agencies, during a calendar year in which the person receives in the aggregate \$100,000 or more, shall file with the State Board of Elections a statement disclosing contributions in excess of \$500 made during the reporting period to a candidate for elective office in any primary or general election. The statement shall be filed with the State Board of Elections (1) before a purchase or execution of a lease or contract by the State, a county, an incorporated municipality, or their agencies, and shall cover the preceding two calendar years; and (2) if the contribution is made after the execution of a lease or contract, then twice a year, throughout the contract term, on: (a) February 5, to cover the 6-month period ending January 31; and (b) August 5, to cover the 6-month period ending July 31.

### **1.37 Verification of Registration and Tax Payment**

Before a corporation can do business in the State, it must be registered with the Department of Assessments and Taxation, State Office Building, Room 803, 301 West Preston Street, Baltimore, Maryland 21201. It is strongly recommended that any potential Offeror complete registration prior to the closing date for receipt of Proposals. An Offeror's failure to complete registration with the Department of Assessments and Taxation may

disqualify an otherwise successful Offeror from final consideration and recommendation for Contract award.

### **1.38 MBE and Prevailing Wage Compliance System**

As part of MSA's commitment to assist firms in complying with legal and contractual requirements, MSA maintains a web-based MBE and prevailing wage compliance system. The system was designed to provide various work-flow automation features that improve the project reporting process. This system will monitor contract compliance for all Program contracts. The prime firm, its first-tier consultants, and all MBE participation subconsultants awarded contracts will be required to use the web-based system to submit project information including, but not limited to, certification of payments made and received and certified payroll records (if the contract includes prevailing wage and/or workforce development requirements). MSA may require additional information related to the contract to be provided electronically through the system at any time before, during, or after contract award.

### **1.39 Maryland Law**

This RFP and any subsequent RFPs or Contracts shall be construed, interpreted, and enforced according to the laws of the State of Maryland.

### **1.40 Insurance Requirements**

See Sample Contract included as **Attachment G**.

## SECTION 2

### **OFFEROR'S QUALIFICATIONS**

The following minimum qualifications shall be met by the Offeror:

1. Has a team of registered professional architects, engineers, and associated professional consulting firms led by a firm registered to practice in the State of Maryland;
2. Has been in business for at least five (5) years;
3. Has substantial design experience related to the complex design of large public assembly venues such as, but not limited to, sports arenas and entertainment venues;
4. Has experience in innovative design methods to meet programmatic goals of building efficiencies, on-time delivery, cost containment, and value engineering strategies; and
5. Has the ability to meet insurance coverage requirements outlined in the Sample Contract, included as **Attachment G** to this RFP.



## SECTION 3

### **PURPOSE AND SCOPE OF WORK**

#### **3.1 Purpose**

MSA is issuing this RFP to contract with a highly qualified A/E firm to provide architectural and engineering services related to the potential development of the multi-use sports and events facility as described in this RFP.

#### **3.2 Scope Overview**

The selected A/E will provide preliminary design and engineering services associated with constructing the Project on the proposed site. The site is located at the corner of W. Baltimore Street and Summit Avenue, in Hagerstown, Maryland. The selected A/E will work closely with the Project Team, which includes a cost estimating firm, in a cooperative and coordinated fashion to complete the Scope of Work outlined below.

The selected A/E will not be precluded from tendering future offers on the actual design and construction administration of the project if the project reaches the construction phase.

#### **3.3 Scope of Work**

Preliminary design and engineering services include, but are not limited to, the following:

1. Preliminary Design (10 to 15% Schematic Design)
2. Site Development/Planning<sup>1</sup>
3. Infrastructure Analysis
4. Environmental Impact Analysis
5. Archaeological Impact Studies
6. Geotechnical Analysis/Engineering
7. Traffic Studies (Pedestrian and Vehicular)
8. Analysis of land acquisition and parking needs
9. Value Engineering
10. Quality Assurance
11. Assist MSA with Professional and Technical Service Procurements as requested.
12. All other deliverables outline in the Sample Contract, **Attachment G**.

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<sup>1</sup> Offerors must acknowledge in their proposal that any proposed design and/or site development plan must include the existing bond-funded Cultural Trail located on part of the proposed site. Please refer to **Attachment C** for details.

### **3.4 Reference Documents**

The following resources are included as attachments to the RFP for use, reference, and consideration by the A/E while executing the Scope of Work outlined in Section 3.3.

1. Phase I Environmental Report dated July 5, 2012 – **Attachment J**
2. MUSEC Phase II Environmental Study dated March 20, 2013 – **Attachment K**
3. Traffic and Parking Memo dated April 20, 2012 – **Attachment L**

## SECTION 4

### **PROPOSAL SUBMISSION AND REQUIREMENTS**

#### **4.1 Submission – General Requirements**

Offerors shall submit proposals labeled **Request for Proposals – Architectural/Engineering Services – Hagerstown Multi-Use Sports and Events Facility – Volume I - Technical Proposal.** All pages of each proposal volume must be consecutively numbered from beginning (Page 1) to end (Page “x”). The final page shall state “Final Page.”

Offerors shall submit the Technical Proposals by the due date and time set forth in Key Information Summary Sheet, as revised by any addendum. Technical proposals must be uploaded electronically to the link provided in Section 1.10. **The electronic submissions (formatted as .pdf file) shall include the firm’s name in the file name and shall be formatted so each page can be printed in 8 ½ x 11.**

Upon receipt, the Selection Committee will review the Offerors’ Technical Proposals. Firms deemed as meeting all requirements will be ranked and, based on the achieved rankings, selected firms will then be “short listed.” Those short-listed firms will be asked to attend an oral presentation. After oral presentations, the Selection Committee will select which short-listed Offerors will be requested to submit a Financial Proposal.

Offerors must respond to all requirements identified in the RFP. Offerors who fail to do so will be deemed not reasonably susceptible of being selected for award.

#### **4.2 Volume I – Technical Proposal**

This section provides specific instructions for submission of the Offeror’s Technical Proposal. The Technical Proposal shall include:

**a) Transmittal Letter**

A transmittal letter must be included in the Technical Proposal. The purpose of this letter is to transmit the proposal to the Procurement Officer. The transmittal letter should be brief, and signed by an individual who is authorized to commit the Offeror to the services and requirements as stated in this RFP.

**b) Title and Table of Contents**

The Technical Proposal shall begin with a title page bearing the name and address of the Offeror, point of contact information (including e-

mail address), and the name of this RFP. A table of contents for the Proposal should follow the title page. Information that is claimed to be confidential shall be clearly identified. **Unless there is a compelling case, an entire proposal** should not be labeled confidential; only those portions that can reasonably be shown to be proprietary or confidential should be so labeled.

**c) Executive Summary**

The Offeror shall condense and highlight the contents of the Technical Proposal in a separate section titled “Executive Summary.” The summary shall identify any exceptions the Offeror has taken to the requirements of this RFP and attachments (including the Sample Contract), acknowledge the receipt of any addenda associated with this RFP, and the tax identification number of the “prime” Offeror. The Executive Summary shall not exceed two (2) pages.

**Warning: Exceptions to terms and conditions may result in having the proposal deemed unacceptable or classified as not reasonably susceptible of being selected for award. If an Offeror takes no exception, the Executive Summary should so state.**

**d) Experience and Qualifications (Tab 1)**

Per the requirements noted in Sections 2 and 3 of the RFP, the following information shall be included in this section:

1. Architect-Engineer Qualifications form SF330 - Included in this RFP as **Attachment E**, the SF330 shall list the key subconsultants/subcontractors that will participate in any phase of the project.
2. Organizational Chart – This chart must clearly identify the team member(s) that will attend design meetings and serve as the day-to-day contact for the proposed team.
3. Resumes of Key Personnel - This section shall include, at a minimum, the resumes for the following from each major discipline: Project Executive, Project Manager, Project Designer, and any other Key Personnel.
4. Experience - Provide two (2) projects that illustrate the Offeror’s experience and qualifications for overseeing/managing this Project.
5. Part II, Box 5B of the SF330 Form – Indicate if the Offeror is a Maryland certified MBE and/or SBR. List certification number(s), if applicable.
6. Insurance – Offeror must submit proof of insurance certifying the Offeror’s ability to comply with the insurance requirements as set forth in the Sample Contract attached hereto as

**Attachment G.** Offerors shall also identify any joint ventures at the time of submission, and submit a copy of the joint venture agreement, if applicable.

**e) Work Plan (Tab 2)**

1. Provide a Staffing Plan in the format included in **Attachment F**, to show the minimum amount of time that Key Personnel will dedicate to the Project.
2. Provide a Conceptual A/E Schedule to include the sequence and duration of activities necessary to complete the major items listed in the Scope of Work in Section 3.3. The schedule shall assume an anticipated start date of February 10, 2020.
3. At a minimum, provide a descriptive narrative of the Offeror's approach to the items listed below, and ability to working collaboratively with the Project Team. The information must be provided in the order listed and using the headings indicated:
  - i. Describe the process by which the A/E will manage and administer the design and engineering services outlined in Section 3 of this RFP. Highlight any unique skills or abilities that the A/E can/will provide in the execution of the work.
  - ii. Project Challenges and Opportunities – Identify three (3) challenges and three (3) opportunities of the project.

**f) Work Product Samples (Tab 3)**

Provide a sample of the following technical documents from each project identified in Section 4.2(d)(4) that demonstrates the Offeror's ability to successfully complete the Scope of Work outlined in RFP:

- Programming Document
- Schematic Design
- Construction Documents with evidence of reconciliation with CM/AE estimate.

**g) Economic Benefits Factor (Tab 4)**

1. The Offeror shall submit with its Proposal a narrative describing benefits that will accrue to the Maryland economy as a direct or indirect result of its performance of the Contract. Proposals will be evaluated to assess the benefit to Maryland's economy specifically offered. The economic benefit offered should be consistent with the Offeror's Request for Financial Proposals from **Attachment H**, the Request for Financial Proposal Form. See COMAR 21.05.03.03A(3).
2. Proposals that identify specific benefits as being contractually enforceable commitments will be rated more favorable than Proposals that do not identify specific benefits as contractual commitments, all other factors being equal.

3. Offerors shall identify any performance guarantees that will be enforceable by the State if the full level of promised benefit is not achieved during the Contract term.
4. As applicable, for the full duration of the Contract, including any renewal period, or until the commitment is satisfied, the Contractor shall provide to the Procurement Officer or other designated agency personnel reports of the actual attainment of each benefit listed in response to this section. These benefits attainment reports shall be provided quarterly, unless elsewhere in these specifications a different reporting frequency is stated.
5. In responding to this section, the following do not generally constitute economic benefits to be derived from the Contract:
  - i. Generic statements that the State will benefit from the Offeror's superior performance under the Contract;
  - ii. Descriptions of the number of Offeror employees located in Maryland other than those that will be performing work under the Contract; or
  - iii. Tax revenues from Maryland-based employees or locations, other than those that will be performing, or used to perform, work under the Contract.
6. Discussion of Maryland-based employees or locations may be appropriate if the Offeror makes some projection or guarantee of increased or retained presence based upon being awarded the Contract.
7. Examples of economic benefits to be derived from a contract may include any of the factors listed below. For each factor identified below, identify the specific benefit and contractual commitments, and provide a breakdown of expenditures in that category:
  - i. The contract dollars to be recycled into Maryland's economy in support of the Contract, through the use of Maryland subconsultants/subcontractor, suppliers, and joint venture partners. **Do not include actual fees or rates paid to subconsultants or information from your Financial Proposal;**
  - ii. The number and types of jobs for Maryland residents resulting from the Contract. Indicate job classifications, number of employees in each classification and the aggregate payroll to which the Offeror has committed, including contractual commitments at both prime, and if applicable, subcontract levels; and whether Maryland employees working at least 30 hours per week and are employed at least 120 days during a 12-month period will receive paid leave. If no new positions or subcontracts are anticipated as a result of the Contract, so state explicitly;
  - iii. Tax revenues to be generated for Maryland its political

subdivisions as a result of the Contract. Indicated tax category (sales tax, payroll taxes, inventory taxes and estimated personal income taxes for new employees). Provide a forecast of the total tax revenues resulting from the Contract;

- iv. Subcontract dollars committed to Maryland small businesses and MBE firms; and
- v. Other benefits to the Maryland economy which the Offeror promises will result from awarding the Contract to the Offeror, including contractual commitments. Describe the benefit, its value to the Maryland economy, and how it will result from, or because of the Contract award. Offerors may commit to benefits that are not directly attributable to the Contract, but for which the Contract award may serve as a catalyst of impetus.

#### **4.3 Other Required Submissions**

In addition, Offerors must submit the following items in the Technical Proposal:

- 1. A completed Bid/Proposal Affidavit (**Attachment A**);
- 2. A completed Conflict of Interest Information/Affidavit and Disclosure (**Attachment B**);

#### **4.4 Volume II - Financial Proposal**

##### **a) Required Submissions**

Information about due date and submission instructions will be included in the notification to the selected Short-listed Offerors. The following items must be included the Financial Proposal:

- 1. The Request for Financial Proposal Form is included with this RFP as **Attachment H**. In the Financial Proposal Form, the fee proposal should be broken down to illustrate the fixed fee for personnel costs and include all the personnel listed as Key Personnel.
- 2. An accurately completed and signed MBE Form D1- “MBE Utilization and Fair Solicitation Affidavit and MBE Participation Schedule” (see **Attachment D**). Per COMAR regulation 21.11.03.09.C (5), failure to include and/or accurately complete this form shall result in a determination that the proposal is not susceptible for award.

## **SECTION 5**

### **EVALUATION CRITERIA AND SELECTIONPROCEDURE**

#### **5.1 Evaluation Criteria**

Evaluation of the Proposals will be performed by the Selection Committee and will be based on the criteria set forth below. The Technical Proposal will have more weight than the Financial Criteria.

#### **5.2 Technical Criteria**

Criteria used to rate the Technical Proposal includes, without limitation, the following:

- a) Adequacy of the Work Plan presented to provide the proposed services; adequacy of the Offeror's proposed approach, work samples, and proposed schedule.
- b) Experience and qualifications of the Offeror and its key management personnel (Staffing Plan), with specific emphasis on similar projects.
- c) Oral Presentation.
- d) Economic Benefits to the State of Maryland.
- e) Quality of Submission.

#### **5.3 Financial Criteria**

All qualified short-listed Offerors will be given a score based on their evaluated financial proposal. The lowest evaluated financial proposal will receive the maximum financial score. The score for other financial proposals will be determined on a pro-rata basis compared to the lowest evaluated financial proposal.

#### **5.4 Reciprocal Preference**

Although Maryland law does not authorize procuring agencies to favor resident Offeror in awarding procurement contracts, many other states do grant their resident businesses preferences over Maryland contractors. Therefore, as described in COMAR 21.05.01.04, a resident business preference may be given if: a responsible Offeror whose headquarters, principal base of operations, or principal site that will primarily provide the services required by this RFP is in another state submits the most advantageous offer; the other state gives a preference to its residents through law, policy, or practice; and the preference does not conflict with a federal law or grant affecting the Contract. The preference given will be identical to the preference that the other state, through law, policy, or practice gives to its residents.



## **5.5 General Selection Process**

- a) The Contract will be awarded in accordance with the competitive sealed proposals process under Section 3(C) of MSA's Procurement Policies.
- b) Prior to award of a contract pursuant to this RFP, MSA may require any and all Offerors to submit such additional information bearing upon the Offeror's ability to perform the contract as MSA may deem appropriate. MSA may also consider any information otherwise available concerning the financial, technical and other qualifications or abilities of the Offeror.
- c) MSA may hold discussions with any or all Offerors judged reasonably susceptible of being selected for award, or potentially so. MSA also reserves the right to develop a short-list of Offerors deemed most qualified based upon their Technical Proposals and conduct discussions with only the short-listed Offerors. However, MSA also reserves the right to make an award without holding discussions. Whether or not discussions are held, MSA may determine an Offeror to be not responsible or not reasonably susceptible of being selected for award, in its sole and absolute discretion, at any time after the initial closing date for receipt of proposals and the review of those proposals.

## **5.6 Award Determination**

Upon completion of all evaluations, discussions and negotiations, and reference checks, the Procurement Officer will recommend award of the contract to the responsible Offeror(s) whose proposal is determined to be the most advantageous, considering technical evaluation factors and price factors as set forth in this RFP. The award is subject to approval by the MSA Board of Directors.

## ATTACHMENTS

Attachments can be downloaded via the following link:

[AE Hagerstown Attachments](#)

- A. .... **BID/PROPOSAL AFFIDAVIT**
- B. .... **CONFLICT OF INTEREST AFFIDAVIT**
- C. .... **PHASE I REPORT**
- D. .... **MBE INSTRUCTIONS AND FORMS**
- E. .... **ARCHITECT/ENGINEER QAULIFICATIONS (SF330)**
- F. .... **STAFFING PLAN**
- G. .... **SAMPLE CONTRACT – ARCHITECT AGREEMENT FOR  
DESIGN SERVICES**
- H. .... **SAMPLE REQUEST FOR FINANCIAL PROPOSAL**
- I. .... **CONTRACT AFFIDAVIT**
- J. .... **PHASE I ENVIRONMENTAL REPORT  
DATED JULY 5, 2012**
- K. .... **MUSEC PHASE II ENVIRONMENTAL STUDY  
DATED MARCH 20, 2013**
- L. .... **TRAFFIC AND PARKING MEMO  
DATED APRIL 20, 2012**

**Attachment A**  
**Bid/Proposal Affidavit**

## ATTACHMENT - Bid/Proposal Affidavit

### A. AUTHORIZED REPRESENTATIVE

I HEREBY AFFIRM THAT:

I am the (title) \_\_\_\_\_ and the duly authorized representative of (business) \_\_\_\_\_ and that I possess the legal authority to make this Affidavit on behalf of myself and the business for which I am acting.

### B. CERTIFICATION REGARDING COMMERCIAL NONDISCRIMINATION

The undersigned bidder hereby certifies and agrees that the following information is correct: In preparing its bid on this project, the bidder has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not engaged in "discrimination" as defined in §19-103 of the State Finance and Procurement Article of the Annotated Code of Maryland. "Discrimination" means any disadvantage, difference, distinction, or preference in the solicitation, selection, hiring, or commercial treatment of a vendor, subcontractor, or commercial customer on the basis of race, color, religion, ancestry, or national origin, sex, age, marital status, sexual orientation, or on the basis of disability or any otherwise unlawful use of characteristics regarding the vendor's, supplier's, or commercial customer's employees or owners. "Discrimination" also includes retaliating against any person or other entity for reporting any incident of "discrimination". Without limiting any other provision of the solicitation on this project, it is understood that, if the certification is false, such false certification constitutes grounds for the State to reject the bid submitted by the bidder on this project, and terminate any contract awarded based on the bid. As part of its bid or proposal, the bidder herewith submits a list of all instances within the past 4 years where there has been a final adjudicated determination in a legal or administrative proceeding in the State of Maryland that the bidder discriminated against subcontractors, vendors, suppliers, or commercial customers, and a description of the status or resolution of that determination, including any remedial action taken. Bidder agrees to comply in all respects with the State's Commercial Nondiscrimination Policy as described under Title 19 of the State Finance and Procurement Article of the Annotated Code of Maryland.

#### B-1. Certification Regarding Minority Business Enterprises.

The undersigned bidder hereby certifies and agrees that it has fully complied with the State Minority Business Enterprise Law, State Finance and Procurement Article, §14-308(a)(2), Annotated Code of Maryland, which provides that, except as otherwise provided by law, a Contractor may not identify a certified minority business enterprise in a bid or proposal and:

- (1) Fail to request, receive, or otherwise obtain authorization from the certified minority business enterprise to identify the certified minority proposal;
- (2) Fail to notify the certified minority business enterprise before execution of the contract of its inclusion in the bid or proposal;
- (3) Fail to use the certified minority business enterprise in the performance of the contract; or
- (4) Pay the certified minority business enterprise solely for the use of its name in the bid or proposal.

Without limiting any other provision of the solicitation on this project, it is understood that if the certification is false, such false certification constitutes grounds for the State to reject the bid submitted by the bidder on this project, and terminate any contract awarded based on the bid.

C. AFFIRMATION REGARDING BRIBERY CONVICTIONS

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business (as is defined in Section 16-101(b) of the State Finance and Procurement Article of the Annotated Code of Maryland), or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities including obtaining or performing contracts with public bodies has been convicted of, or has had probation before judgment imposed pursuant to Criminal Procedure Article, §6-220, Annotated Code of Maryland, or has pleaded nolo contendere to a charge of, bribery, attempted bribery, or conspiracy to bribe in violation of Maryland law, or of the law of any other state or federal law, except as follows (indicate the reasons why the affirmation cannot be given and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the sentence or disposition, the name(s) of person(s) involved, and their current positions and responsibilities with the business):

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D. AFFIRMATION REGARDING OTHER CONVICTIONS

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities including obtaining or performing contracts with public bodies, has:

- (1) Been convicted under state or federal statute of:
  - (a) A criminal offense incident to obtaining, attempting to obtain, or performing a public or private contract; or
  - (b) Fraud, embezzlement, theft, forgery, falsification or destruction of records or receiving stolen property;
- (2) Been convicted of any criminal violation of a state or federal antitrust statute;
- (3) Been convicted under the provisions of Title 18 of the United States Code for violation of the Racketeer Influenced and Corrupt Organization Act, 18 U.S.C. §1961 et seq., or the Mail Fraud Act, 18 U.S.C. §1341 et seq., for acts in connection with the submission of bids or proposals for a public or private contract;
- (4) Been convicted of a violation of the State Minority Business Enterprise Law, §14-308 of the State Finance and Procurement Article of the Annotated Code of Maryland;
- (5) Been convicted of a violation of §11-205.1 of the State Finance and Procurement Article of the Annotated Code of Maryland;

(6) Been convicted of conspiracy to commit any act or omission that would constitute grounds for conviction or liability under any law or statute described in subsections (1)—(5) above;

(7) Been found civilly liable under a state or federal antitrust statute for acts or omissions in connection with the submission of bids or proposals for a public or private contract;

(8) Been found in a final adjudicated decision to have violated the Commercial Nondiscrimination Policy under Title 19 of the State Finance and Procurement Article of the Annotated Code of Maryland with regard to a public or private contract; or

(9) Admitted in writing or under oath, during the course of an official investigation or other proceedings, acts or omissions that would constitute grounds for conviction or liability under any law or statute described in §§B and C and subsections D(1)—(8) above, except as follows (indicate reasons why the affirmations cannot be given, and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the sentence or disposition, the name(s) of the person(s) involved and their current positions and responsibilities with the business, and the status of any debarment):

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**E. AFFIRMATION REGARDING DEBARMENT**

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, or any of its officers, directors, partners, controlling stockholders, or any of its employees directly involved in the business's contracting activities, including obtaining or performing contracts with public bodies, has ever been suspended or debarred (including being issued a limited denial of participation) by any public entity, except as follows (list each debarment or suspension providing the dates of the suspension or debarment, the name of the public entity and the status of the proceedings, the name(s) of the person(s) involved and their current positions and responsibilities with the business, the grounds of the debarment or suspension, and the details of each person's involvement in any activity that formed the grounds of the debarment or suspension).

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**F. AFFIRMATION REGARDING DEBARMENT OF RELATED ENTITIES**

I FURTHER AFFIRM THAT:

(1) The business was not established and it does not operate in a manner designed to evade the application of or defeat the purpose of debarment pursuant to Sections 16-101, et seq., of the State Finance and Procurement Article of the Annotated Code of Maryland; and

(2) The business is not a successor, assignee, subsidiary, or affiliate of a suspended or debarred business, except as follows (you must indicate the reasons why the affirmations cannot be given without qualification):

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G. SUB-CONTRACT AFFIRMATION

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business, has knowingly entered into a contract with a public body under which a person debarred or suspended under Title 16 of the State Finance and Procurement Article of the Annotated Code of Maryland will provide, directly or indirectly, supplies, services, architectural services, construction related services, leases of real property, or construction.

H. AFFIRMATION REGARDING COLLUSION

I FURTHER AFFIRM THAT:

Neither I, nor to the best of my knowledge, information, and belief, the above business has:

(1) Agreed, conspired, connived, or colluded to produce a deceptive show of competition in the compilation of the accompanying bid or offer that is being submitted;

(2) In any manner, directly or indirectly, entered into any agreement of any kind to fix the bid price or price proposal of the bidder or offeror or of any competitor, or otherwise taken any action in restraint of free competitive bidding in connection with the contract for which the accompanying bid or offer is submitted.

I. FINANCIAL DISCLOSURE AFFIRMATION

I FURTHER AFFIRM THAT:

I am aware of, and the above business will comply with, the provisions of Section 13-221 of the State Finance and Procurement Article of the Annotated Code of Maryland, which require that every business that enters into contracts, leases, or other agreements with the State of Maryland or its agencies during a calendar year under which the business is to receive in the aggregate \$100,000 or more shall, within 30 days of the time when the aggregate value of the contracts, leases, or other agreements reaches \$100,000, file with the Secretary of State of Maryland certain specified information to include disclosure of beneficial ownership of the business.

J. POLITICAL CONTRIBUTION DISCLOSURE AFFIRMATION

I FURTHER AFFIRM THAT:

I am aware of, and the above business will comply with, Election Law Article, §§14-101—14-108, Annotated Code of Maryland, which requires that every person that enters into contracts, leases, or other

agreements with the State of Maryland, including its agencies or a political subdivision of the State, during a calendar year in which the person receives in the aggregate \$100,000 or more shall file with the State Board of Elections a statement disclosing contributions in excess of \$500 made during the reporting period to a candidate for elective office in any primary or general election.

K. DRUG AND ALCOHOL FREE WORKPLACE

(Applicable to all contracts unless the contract is for a law enforcement agency and the agency head or the agency head's designee has determined that application of COMAR 21.11.08 and this certification would be inappropriate in connection with the law enforcement agency's undercover operations.)

I CERTIFY THAT:

- (1) Terms defined in COMAR 21.11.08 shall have the same meanings when used in this certification.
- (2) By submission of its bid or offer, the business, if other than an individual, certifies and agrees that, with respect to its employees to be employed under a contract resulting from this solicitation, the business shall:
  - (a) Maintain a workplace free of drug and alcohol abuse during the term of the contract;
  - (b) Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of drugs, and the abuse of drugs or alcohol is prohibited in the business' workplace and specifying the actions that will be taken against employees for violation of these prohibitions;
  - (c) Prohibit its employees from working under the influence of drugs or alcohol;
  - (d) Not hire or assign to work on the contract anyone whom the business knows, or in the exercise of due diligence should know, currently abuses drugs or alcohol and is not actively engaged in a bona fide drug or alcohol abuse assistance or rehabilitation program;
  - (e) Promptly inform the appropriate law enforcement agency of every drug-related crime that occurs in its workplace if the business has observed the violation or otherwise has reliable information that a violation has occurred;
  - (f) Establish drug and alcohol abuse awareness programs to inform its employees about:
    - (i) The dangers of drug and alcohol abuse in the workplace;
    - (ii) The business' policy of maintaining a drug and alcohol free workplace;
    - (iii) Any available drug and alcohol counseling, rehabilitation, and employee assistance programs; and
    - (iv) The penalties that may be imposed upon employees who abuse drugs and alcohol in the workplace;
  - (g) Provide all employees engaged in the performance of the contract with a copy of the statement required by §K(2)(b), above;
  - (h) Notify its employees in the statement required by §K(2)(b), above, that as a condition of continued employment on the contract, the employee shall:
    - (i) Abide by the terms of the statement; and



(ii) Notify the employer of any criminal drug or alcohol abuse conviction for an offense occurring in the workplace not later than 5 days after a conviction;

(i) Notify the procurement officer within 10 days after receiving notice under §K(2)(h)(ii), above, or otherwise receiving actual notice of a conviction;

(j) Within 30 days after receiving notice under §K(2)(h)(ii), above, or otherwise receiving actual notice of a conviction, impose either of the following sanctions or remedial measures on any employee who is convicted of a drug or alcohol abuse offense occurring in the workplace:

(i) Take appropriate personnel action against an employee, up to and including termination; or

(ii) Require an employee to satisfactorily participate in a bona fide drug or alcohol abuse assistance or rehabilitation program; and

(k) Make a good faith effort to maintain a drug and alcohol free workplace through implementation of §K(2)(a)—(j), above.

(3) If the business is an individual, the individual shall certify and agree as set forth in §K(4), below, that the individual shall not engage in the unlawful manufacture, distribution, dispensing, possession, or use of drugs or the abuse of drugs or alcohol in the performance of the contract.

(4) I acknowledge and agree that:

(a) The award of the contract is conditional upon compliance with COMAR 21.11.08 and this certification;

(b) The violation of the provisions of COMAR 21.11.08 or this certification shall be cause to suspend payments under, or terminate the contract for default under COMAR 21.07.01.11 or 21.07.03.15, as applicable; and

(c) The violation of the provisions of COMAR 21.11.08 or this certification in connection with the contract may, in the exercise of the discretion of the Board of Public Works, result in suspension and debarment of the business under COMAR 21.08.03.

**L. CERTIFICATION OF CORPORATION REGISTRATION AND TAX PAYMENT**

**I FURTHER AFFIRM THAT:**

(1) The business named above is a (domestic \_\_\_ ) (foreign \_\_\_ ) corporation registered in accordance with the Corporations and Associations Article, Annotated Code of Maryland, and that it is in good standing and has filed all of its annual reports, together with filing fees, with the Maryland State Department of Assessments and Taxation, and that the name and address of its resident agent filed with the State Department of Assessments and Taxation is:

Name: \_\_\_\_\_ Address: \_\_\_\_\_  
(If not applicable, so state). \_\_\_\_\_

(2) Except as validly contested, the business has paid, or has arranged for payment of, all taxes due the State of Maryland and has filed all required returns and reports with the Comptroller of the Treasury, the State Department of Assessments and Taxation, and the Department of Labor, Licensing, and

regulation, as applicable, and will have paid all withholding taxes due the State of Maryland prior to final settlement.

M. CONTINGENT FEES

I FURTHER AFFIRM THAT:

The business has not employed or retained any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency working for the business, to solicit or secure the Contract, and that the business has not paid or agreed to pay any person, partnership, corporation, or other entity, other than a bona fide employee, bona fide agent, bona fide salesperson, or commercial selling agency, any fee or any other consideration contingent on the making of the Contract.

N. Repealed.

O. ACKNOWLEDGEMENT

I ACKNOWLEDGE THAT this Affidavit is to be furnished to the Procurement Officer and may be distributed to units of: (1) the State of Maryland; (2) counties or other subdivisions of the State of Maryland; (3) other states; and (4) the federal government. I further acknowledge that this Affidavit is subject to applicable laws of the United States and the State of Maryland, both criminal and civil, and that nothing in this Affidavit or any contract resulting from the submission of this bid or proposal shall be construed to supersede, amend, modify or waive, on behalf of the State of Maryland, or any unit of the State of Maryland having jurisdiction, the exercise of any statutory right or remedy conferred by the Constitution and the laws of Maryland with respect to any misrepresentation made or any violation of the obligations, terms and covenants undertaken by the above business with respect to (1) this Affidavit, (2) the contract, and (3) other Affidavits comprising part of the contract.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

Date: \_\_\_\_\_

By: \_\_\_\_\_

(Authorized Representative and Affiant)

**Attachment B**

**Conflict of Interest Affidavit**

**CONFLICT OF INTEREST AFFIDAVIT/DISCLOSURE**

- A. "Conflict of Interest" means that because of other activities or relationships with other persons, a person is unable or potentially unable to render impartial assistance or advice to the State, or the person's objectivity in performing the contract work is or might be otherwise impaired, or a person has an unfair competitive advantage."
  
- B. "Person" has the meaning stated in COMAR 21.01.02.01B (64) and includes an Offeror, Bidder, Contractor, consultant, or subcontractor or subconsultant at any tier, and also includes an employee or agent of any of them if the employee or agent has or will have the authority to control or supervise all or a portion of the work for which a bid or offer is made.
  
- C. The Offeror/Bidder warrants that, except as disclosed in §D, below, there are no relevant facts or circumstances now giving rise or which could, in the future, give rise to a conflict of interest.
  
- D. The following facts or circumstances give rise or could in the future give rise to a conflict of interest (explain in detail—attach additional sheets if necessary).
  
  
  
  
  
  
  
  
  
  
- E. The Offeror/Bidder agrees that if an actual or potential conflict of interest arises after the date of this affidavit, the Offeror/Bidder shall immediately make a full disclosure in writing to the Procurement Officer of all relevant facts and circumstances. This disclosure shall include a description of actions, which the Offeror/Bidder has taken and proposes to take to avoid, mitigate, or neutralize the actual or potential conflict of interest. If the Contract has been awarded and performance of the Contract has begun, the Contractor shall continue performance until notified by the Procurement Officer of any contrary action to be taken.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

Date: \_\_\_\_\_ By: \_\_\_\_\_  
(Authorized Representative and Affiant)

**Attachment C**

**Phase I Report**



# Market and Site Assessment for a Proposed New Minor League Baseball Ballpark in Hagerstown, Maryland

May 2019

Final Report



# Report Letter

May 2019

Mr. Al Tyler, Vice President, Economic Development  
Maryland Stadium Authority  
Capital Projects Development Group  
The Warehouse at Camden Yards – South Warehouse  
351 West Camden St., Ste. 300  
Baltimore, MD 21201

Dear Mr. Tyler:

Crossroads Consulting Services LLC, in association with Populous, has completed the Market and Site Assessment related to a proposed new Minor League Baseball Ballpark in Hagerstown, Maryland. This report summarizes our research and analysis to date.

In accordance with the terms of our engagement letter, the accompanying report is restricted to internal use by Maryland Stadium Authority management and may not be relied upon by any party for any purpose including financing. Notwithstanding these limitations, it is understood that this document may be subject to public information laws and, as such, can be made available to the public upon request.

Although you have authorized reports to be sent electronically for your convenience, only the final hard copy report should be viewed as our work product.

We have enjoyed serving you on this engagement and look forward to the opportunity to provide you with continued service in the future.

Sincerely,

*Crossroads Consulting Services LLC*

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Since 1981, Hagerstown, Maryland has been home to the Hagerstown Suns Minor League Baseball (MiLB) team. During this time period, the team has experienced changes in ownership, league, and Major League Baseball (MLB) affiliate. The Hagerstown Suns joined the Class A South Atlantic League (SAL) in 1992 where they currently compete. In 2005, the Hagerstown Suns affiliated with the New York Mets for two years before joining the Washington Nationals farm system in 2007. The Washington Nationals renewed their affiliation with the Hagerstown Suns in 2018 and have an agreement in place through 2020.

From 1915 to 1929, Hagerstown's MiLB teams played at Willow Lane Park. In 1930, the City of Hagerstown constructed a new stadium, now known as Municipal Stadium. The Stadium (also referred to as Ballpark) is the current home of the Hagerstown Suns.

Municipal Stadium has a capacity of approximately 4,600 and offers a picnic area and beer garden. Municipal Stadium is one of the oldest stadiums in MiLB. Throughout its history, the stadium has undergone multiple renovations. The most recent stadium renovation included a new infield, updated outfield wall padding, protective netting around both dugouts, updated restrooms for fans and environmentally-friendly LED lighting throughout the facility. Despite these renovations, Municipal Stadium lacks modern amenities that fans experience at other similar MiLB ballparks.

The stadium and the team are both important assets to the City. Municipal Stadium is owned by the City and operated by Hagerstown Baseball, LLC, which has owned the Hagerstown Suns since 2010. The Hagerstown Suns have a lease to play at Municipal Stadium through 2021.

Given this backdrop, the project team of Crossroads Consulting Services LLC (Crossroads Consulting) and Populous was retained to conduct a market and site assessment related to a proposed new ballpark to replace Municipal Stadium.

It is our understanding that the driving forces of developing a new ballpark are to retain a MiLB team as well as to accommodate diverse usage and generate economic activity in the community. As such, this study is meant to serve as a tool to assist the City in making informed decisions related to the construction and operations of a proposed new ballpark in Hagerstown.

No environmental assessment, noise analysis, traffic study, nor detailed cost estimate of a conceptual design are provided as part of this study effort.

Research tasks completed as part of this study effort included, but were not limited to, the following:

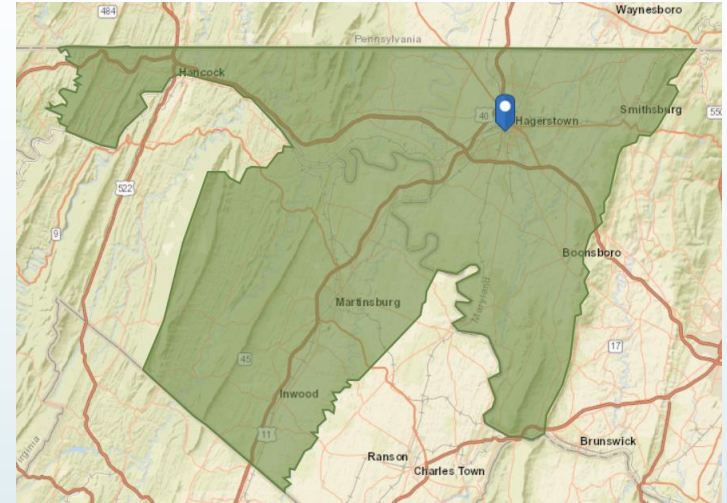
- Met with key stakeholders, including representatives from the City, regarding their perspectives on a new MiLB ballpark in downtown Hagerstown and toured potential site locations
- Obtained relevant information from the City related to the potential sites under consideration
- Analyzed historical attendance data for the Hagerstown Suns
- Provided an overview of MiLB, specifically Class A baseball
- Profiled supply of existing and planned competitive facilities in the area
- Analyzed market attributes
- Surveyed/interviewed potential users including representatives from the Hagerstown Suns; area scholastic and collegiate programs; State, regional and national sports organizations; and other event producers
- Analyzed demographic data and facility attributes from comparable facilities in peer markets
- Developed a preliminary estimate of demand for a new MiLB ballpark in downtown Hagerstown
- Reviewed and provided general observations on the program for the proposed new ballpark provided by the City
- Analyzed three potential downtown site locations as agreed upon by the City
- Developed a site evaluation matrix to rank the fit of the proposed new ballpark at each of the three potential downtown site locations
- Summarized key findings

The following pages provide an Executive Summary which is extracted from the more detailed report. As such, it is important for the reader to review the report in its entirety.

# EXECUTIVE SUMMARY

## Key Market Attributes

- For purposes of this analysis, the Hagerstown-Martinsburg Metropolitan Statistical Area (MSA), which consists of Washington County in Maryland and Berkeley and Morgan Counties in West Virginia, is considered the primary market.
- The population in the Hagerstown MSA is projected to increase at an annual rate of 1.29% from 270,181 in 2018 to 288,098 in 2023. The projected growth rate of the MSA is projected to outpace both the State (0.68%) and the U.S. (0.83%) during the same period.
- The 2018 median age of the population within the MSA (40 years old) was older than that for the State (39.1 years old) and of the U.S. (38.3 years old).
- Median household income in 2018 for the MSA was \$57,530, which was significantly lower than that for the State (\$79,833) and relatively comparable to the U.S. (\$58,100).
- As of October 2018, the trade, transportation and utilities industry comprised approximately 26% of the workforce followed by the government industry (18%) and the education and health services industry (15%).



- MiLB has proven to be a stable product over the long-term. Many people consider it to be one of the most affordable forms of professional sports entertainment. Over the profiled 10-year period (2009-2018), total attendance at MiLB games averaged 41.58 million per year.
- Class A teams averaged season attendance of 195,795 and per game attendance of 2,953 over the profiled period.
- From 2009 through 2018, the SAL teams averaged season attendance of 219,105 and per game attendance of 3,332. The Hagerstown Suns averaged season attendance of 90,063 and per game attendance of 1,441. Although the Suns attendance increased in 2015, 2016 and 2017, it still ranked in the lower quartile of the SAL each of the profiled years.
- Hagerstown is one of the smallest SAL markets, ranking 12<sup>th</sup> of 14. However, SAL teams in smaller and similar sized markets have recorded higher attendance than the Suns indicating that attendance is not solely attributable to market size.
- Excluding Hagerstown, the average seating capacity in the SAL is approximately 5,680. Municipal Stadium's capacity is 4,600, which is one of the smallest in the SAL.
- Municipal Stadium is one of the oldest stadiums in MiLB and the second oldest in the SAL.

# EXECUTIVE SUMMARY

## Key Observations from Management at Peer Facilities

- ▶ Based on feedback from team/facility management at peer facilities, the following were identified as common success factors that enhance opportunities for maximizing baseball operations and non-MiLB activity:
  - ❑ Climate-controlled, indoor event space that is flexible and high-quality outdoor space that can accommodate both baseball and non-baseball events
  - ❑ Food and beverage operations focus on controlling pricing, product and promotion while diversifying and maximizing revenue opportunities
  - ❑ Integration of the ballpark into community planning
  - ❑ Experienced full-time staff dedicated to managing and marketing the ballpark
  - ❑ Addition of staff dedicated to non-team activity as warranted
  - ❑ Accessible and convenient parking
  - ❑ Field layout is designed to accommodate various event types with supporting infrastructure
  - ❑ Team operation of the facility (which is a common operating model in MiLB)
  - ❑ Strong partnership with the facility owner
  - ❑ Long-term, strategic approach to capital improvements and maintenance
  - ❑ Dedicated funds are allocated for regular repairs and maintenance as well as long-term capital improvements

# EXECUTIVE SUMMARY

## Market Assessment

Based on the market research conducted for this study including analysis of local market conditions, supply of local facilities and input from key stakeholders, the following were identified as strengths/opportunities and challenges associated with the proposed new ballpark:

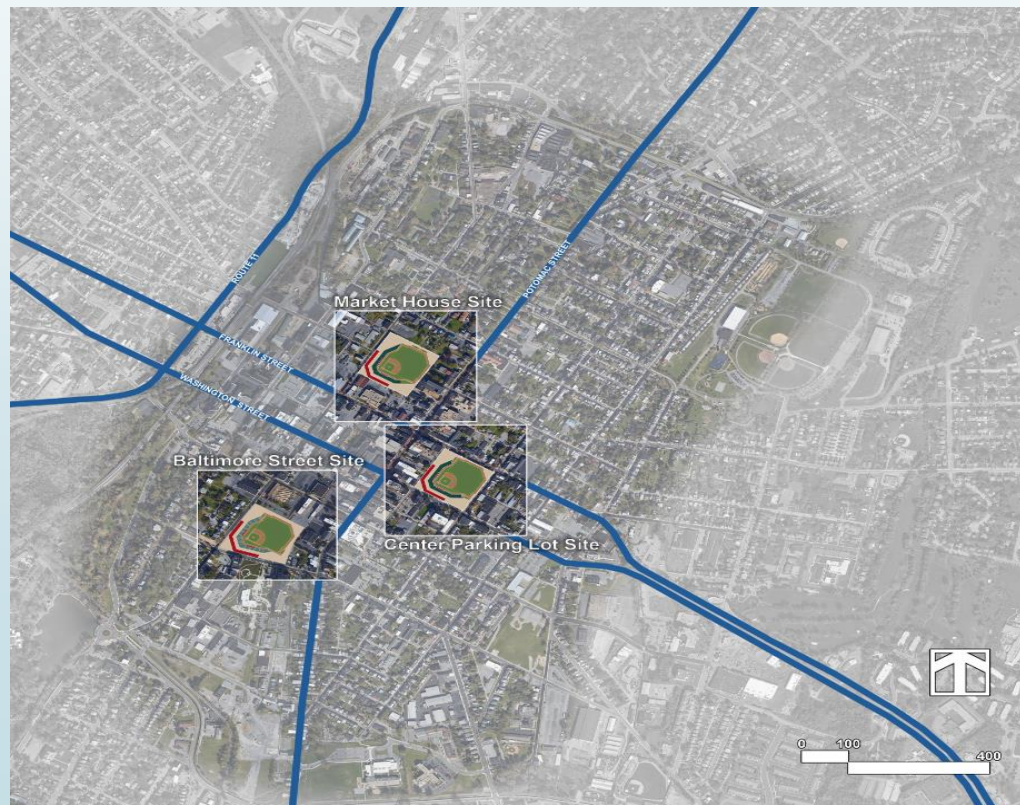
Strengths/Opportunities	Challenges
<ul style="list-style-type: none"><li>• Stability of MiLB</li><li>• Growing population base</li><li>• Potential downtown location</li><li>• Increased marketability of new stadium</li><li>• Long-standing asset in the community</li><li>• Popularity of baseball among local stakeholders</li><li>• Support from the local corporate base</li></ul>	<ul style="list-style-type: none"><li>• Potential lack of support from the community for a new stadium</li><li>• Relatively low median household income</li><li>• Ownership's ability to influence enough change to justify the purchase and target return on investment</li><li>• Supply of area facilities may impact ability to attract certain non-MiLB events</li><li>• Potential competition for discretionary dollars from the proposed new indoor sports complex</li><li>• Potential changes in general macro-economic conditions</li></ul>

# EXECUTIVE SUMMARY

## Site Assessment

Populous reviewed a proposed development program provided by the City of Hagerstown and analyzed three potential site locations, which were identified and agreed upon by the City. The proposed program consisted of a seating capacity of 5,000, eight to ten suites and a total site size of approximately 5.50 acres. The site assessment evaluated capacities of each site in relation to the proposed development plan and delineated urban design opportunities to assist the City in understanding the strengths and challenges of each site.

The three potential sites analyzed in this report are described as follows: Baltimore Street Site, Market House Site and Center Parking Lot Site.





# EXECUTIVE SUMMARY

## Site Evaluation Matrix and Scoring Results

Hagerstown Minor League Site Selection Study		Baltimore Street Site	Market House Site	Central Parking Lot Site
CATEGORY	CRITERIA			
Physical Site Factors	Site Size and Configuration	4	3	3
	Ability of Site to Accommodate Future Expansion/Development	2	1	1
	Topography	4	3	3
	Adequacy/Proximity of Existing Utility Infrastructure	4	4	4
	Required Relocation of Existing Utility Infrastructure to Accommodate Project	2	2	1
	Environmental Remediation	2	3	3
Site Procurement	Quantity of Properties to Assemble	3	2	1
	Property Value	2	4	2
Vehicular Access & Parking	Vehicular Access to Available Public Parking Inventory	4	4	4
	Proximity to Existing Available Public Parking Inventory - 1/4 Mile or Less	2	2	2
	Proximity to Existing Available Public Parking Inventory - 1/2 Mile or Less	2	1	1
Urban Design Issues	Proximity to Existing Development Districts/Civic Amenities/Places of Value	4	4	4
	Potential Catalyst for New or Existing Development Districts	4	4	4
	Civic Image/Community Presence	4	4	4
	Compatibility With Existing Amenities/Improvements	3	3	3
	Compatibility With Adjacent Land Uses	3	3	3
	Compatibility With Urban Context/Fabric	4	3	2
<b>TOTALS</b>		<b>53</b>	<b>50</b>	<b>45</b>
<b>SCORING</b>	<b>1 Poor, 2 Below Average, 3 Average, 4 Good, 5 Excellent</b>			

### Scoring/Evaluation:

The three sites described herein were evaluated in accordance with the criteria outlined in the adjacent matrix. The Baltimore Street Site achieved the highest score at 53. The Market House Site ranked second with a score of 50 and the Central Parking Lot Site ranked third with a score of 45.

### Physical Site Factors:

Although each site is technically capable of supporting a typical Class A Minor League Ballpark, the Baltimore Street Site offered the most generous area for initial Ballpark construction and potential expansion. The topography of the site is conducive to a bowl-on-grade construction which is typically the most cost-effective construction technique for this type of project. Of the three sites, the Baltimore Street Site appears to present fewer utility conflicts with the proposed Ballpark footprint than the Market House Site and the Central Parking Lot Site.

### Site Procurement:

Although the value of the privately-owned properties comprising the Baltimore Street Site is significant (\$5M-\$6M), the number of property owners is relatively small compared to the other two sites.

# EXECUTIVE SUMMARY

## Site Evaluation Matrix and Scoring Results (cont'd)

Hagerstown Minor League Site Selection Study		Baltimore Street Site	Market House Site	Central Parking Lot Site
CATEGORY	CRITERIA			
Physical Site Factors	Site Size and Configuration	4	3	3
	Ability of Site to Accommodate Future Expansion/Development	2	1	1
	Topography	4	3	3
	Adequacy/Proximity of Existing Utility Infrastructure	4	4	4
	Required Relocation of Existing Utility Infrastructure to Accommodate Project	2	2	1
	Environmental Remediation	2	3	3
Site Procurement	Quantity of Properties to Assemble	3	2	1
	Property Value	2	4	2
Vehicular Access & Parking	Vehicular Access to Available Public Parking Inventory	4	4	4
	Proximity to Existing Available Public Parking Inventory - 1/4 Mile or Less	2	2	2
	Proximity to Existing Available Public Parking Inventory - 1/2 Mile or Less	2	1	1
Urban Design Issues	Proximity to Existing Development Districts/Civic Amenities/Places of Value	4	4	4
	Potential Catalyst for New or Existing Development Districts	4	4	4
	Civic Image/Community Presence	4	4	4
	Compatibility With Existing Amenities/Improvements	3	3	3
	Compatibility With Adjacent Land Uses	3	3	3
	Compatibility With Urban Context/Fabric	4	3	2
<b>TOTALS</b>		<b>53</b>	<b>50</b>	<b>45</b>
<b>SCORING</b>	<b>1 Poor, 2 Below Average, 3 Average, 4 Good, 5 Excellent</b>			

### Vehicular Access & Parking:

Because each of the three sites will be generally reliant upon the same publicly-owned parking inventory, there is not an appreciable difference among the three sites with regard to vehicular access. However, due to the fact that the Baltimore Street Site is the only one of the three sites that does not displace a significant amount of publicly-owned parking, it comes the closest of the three sites to achieving the desired minimum number of parking spaces within a ½-mile radius.

### Urban Design Issues:

Although locating the Ballpark on the Baltimore Street Site will likely conflict with recent improvements to the Arts Trail, there may be an opportunity to integrate the Trail into the Ballpark footprint. Additionally, the Baltimore Street Site's location on the edge of the downtown core may avoid a "Super Block" condition that may occur were the Ballpark located on either the Market House Site or the Central Parking Lot Site. Locating the Ballpark on the Baltimore Street Site will strongly encourage pedestrians to walk through the heart of downtown from parking locations on event days.

## Potential Next Steps

As with many communities, financial considerations associated with construction, ongoing operations and maintenance often dictate whether a project is deemed viable. Further, site related issues and community attributes external to the proposed new ballpark also play a critical role in the marketability of any venue. Potential next steps in the City's ongoing planning associated with the proposed new ballpark may include the following:

- Securing a long-term agreement with an MiLB team/facility operator.
- Reaching consensus on the site location that best meets the City's stated goals and objectives.
- Acquiring rights to purchase the appropriate land parcels outlined in this analysis that can accommodate the recommended building program and related supporting infrastructure.
- Using this information, report and findings to establish a development strategy that can be used as a basis to further refine the building program and cost estimate.
- Identifying potential funding strategies and incentives.
- Working with other City agencies and business groups to attract private investment in the surrounding area for future restaurant and retail developments.

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# LOCAL MARKET CONDITIONS

## Overview

When assessing the merits of the proposed new ballpark, it is important to understand the market in which it would operate. Factors such as demographic/economic conditions, the vibrancy of the area immediately surrounding a facility, and overall destination appeal to both event planners/promoters and attendees can all impact a facility's overall competitiveness within the broader marketplace.

Although one of the primary objectives of the proposed new ballpark is to host sporting events that attract out-of-town attendees, it is envisioned that the facility will complement other existing assets and host local community activities.

Activity at the proposed ballpark is anticipated to be diverse and could potentially include sporting events, concerts, festivals, consumer shows, family entertainment, social events and civic/community activities. Depending on the scope and nature of the event, these types of facilities can draw both area residents and out-of-town attendees. Local events such as civic/community activities tend to draw from a relatively close geographic area while large sporting events/competitions, concerts and special events can attract patrons from a broader market area.

Demographic data including population, age distribution and income characteristics was analyzed for multiple geographic areas including the City, Washington County, the Metropolitan Statistical Area (MSA), the State and the U.S. as well as a 30-mile radius and a 30-minute drive time. For purposes of this analysis, the primary market, where the majority of attendance and corporate support is anticipated to be derived, is defined as the MSA.

An MSA contains at least one core urban area of 50,000 or more inhabitants. Each metropolitan area consists of one or more counties and includes the counties containing the core urban area, as well as any adjacent counties that have a high degree of social and economic integration with the urban core. The Hagerstown-Martinsburg MSA consists of Washington County in Maryland and Berkeley and Morgan County in West Virginia.

# LOCAL MARKET CONDITIONS

## Demographic/Socioeconomic Statistics

The following table provides key demographic/socioeconomic statistics for the City of Hagerstown, Washington County, the MSA, the State of Maryland, the U.S as well as a 30-mile radius and a 30-minute drive time. These profiled markets are not intended to directly correlate to potential market demand but rather to illustrate the characteristics of the market within which the proposed new ballpark would operate.

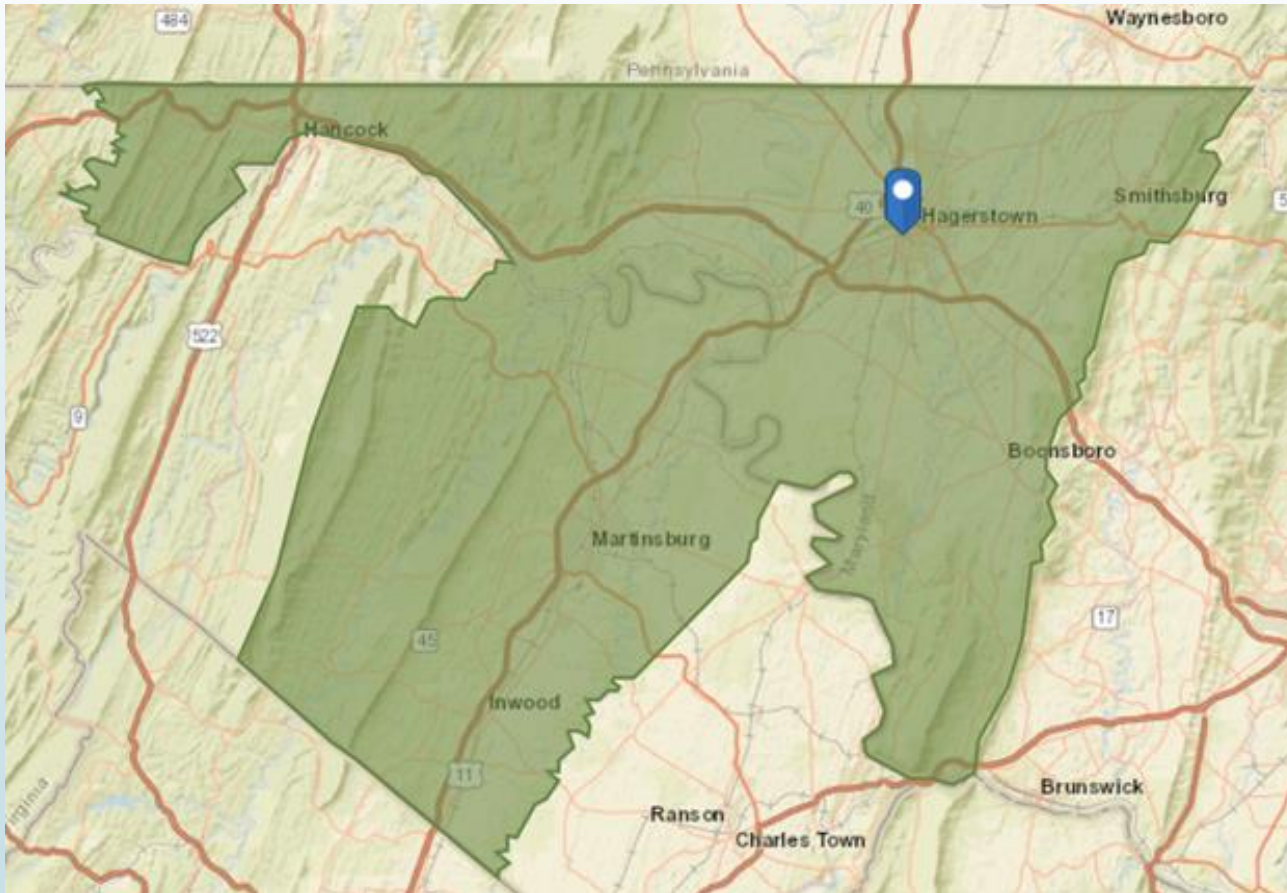
Category	Demographic/Socioeconomic Statistics						
	Geographic Area						
	City of Hagerstown	Washington County	MSA	State of Maryland	U.S.	30-Mile Radius	30-Minute Drive Time
<b>Population Summary</b>							
2000 Total Population	37,971	131,923	207,828	5,296,486	281,421,906	596,322	227,800
2010 Total Population	39,967	147,430	251,599	5,773,552	308,745,538	714,211	264,900
2018 Total Population	41,515	151,388	270,181	6,119,186	330,088,686	767,818	278,700
2023 Total Population	42,252	154,313	288,098	6,331,024	343,954,683	813,104	291,200
2000-2010 Annual Growth Rate	0.53%	1.18%	2.11%	0.90%	0.97%	1.98%	1.63%
2010-2018 Annual Growth Rate	0.48%	0.34%	0.92%	0.75%	0.86%	0.94%	0.65%
2018-2023 Annual Growth Rate (Projected)	0.35%	0.38%	1.29%	0.68%	0.83%	1.15%	0.88%
<b>2018 Median Age</b>	37.1	40.8	40.0	39.1	38.3	40.4	40.2
<b>2018 Household Income Distribution</b>							
Less than \$15,000	16.4%	10.1%	9.7%	8.0%	11.2%	8.1%	9.5%
\$15,000 to \$24,999	14.9%	10.3%	9.7%	6.3%	9.4%	8.0%	9.9%
\$25,000 to \$34,999	11.1%	9.2%	9.5%	6.5%	9.3%	8.2%	9.2%
\$35,000 to \$49,999	14.7%	13.0%	13.8%	9.8%	12.8%	12.2%	13.1%
\$50,000 to \$74,999	17.2%	18.8%	18.8%	16.1%	17.6%	18.4%	18.8%
\$75,000 to \$99,999	11.8%	13.9%	14.4%	13.5%	12.5%	14.4%	14.3%
\$100,000 to \$149,999	9.4%	14.9%	15.5%	19.0%	14.4%	17.6%	15.5%
\$150,000 to \$199,000	2.5%	5.4%	5.0%	9.8%	6.0%	7.1%	5.3%
\$200,000+	1.9%	4.5%	3.7%	11.0%	6.7%	6.1%	4.3%
<b>2018 Median Household Income</b>	\$41,532	\$57,473	\$57,530	\$79,833	\$58,100	\$66,529	\$58,600
<b>2023 Median Household Income (Projected)</b>	\$47,530	\$68,377	\$64,431	\$92,278	\$65,727	\$76,388	\$67,000
<b>2018-2023 Annual Growth Rate (Projected)</b>	2.9%	3.8%	2.4%	3.1%	2.6%	3.0%	2.9%
<b>2018 Average Household Income</b>	\$55,308	\$74,779	\$73,645	\$105,317	\$83,694	\$85,906	\$75,900
<b>2023 Average Household Income (Projected)</b>	\$65,232	\$90,000	\$84,800	\$122,500	\$96,100	\$98,900	\$88,200
<b>2018-2023 Annual Growth Rate (Projected)</b>	3.6%	4.1%	3.0%	3.3%	3.0%	3.0%	3.3%
<b>2018 Population by Race/Ethnicity</b>							
White Alone	71.9%	81.2%	83.5%	54.8%	69.9%	83.4%	83.0%
Black/African American Alone	17.7%	11.6%	9.8%	30.2%	12.9%	8.0%	9.4%
Two or More Races	5.8%	3.3%	3.3%	3.5%	3.4%	3.1%	3.2%
Other Single Race	4.6%	3.9%	3.5%	11.7%	13.8%	5.5%	4.4%
Hispanic Origin	7.4%	5.2%	4.8%	10.4%	18.3%	6.9%	6.0%
Non-Hispanic Origin	92.6%	94.8%	95.2%	89.6%	81.7%	93.1%	94.0%

Note: Persons of Hispanic Origin maybe of any race.

Source: Esri.

# LOCAL MARKET CONDITIONS

## Hagerstown-Martinsburg MSA Map



# LOCAL MARKET CONDITIONS

## Summary of Demographic/Socioeconomic Data

The following summarizes key findings from the analysis of demographic data:

- Population serves as a base from which the Hagerstown Suns and other events at the proposed new ballpark could draw attendance and other forms of support. The population in the Hagerstown MSA is projected to increase at an annual rate of 1.29% from 270,181 in 2018 to 288,098 in 2023. This growth rate for the MSA is projected to outpace both the State (0.68%) and the U.S. (0.83%) during the same period.
- Analysis by age group is useful since certain events are targeted toward consumers who fall within specific age categories. The 2018 median age of the population within the MSA (40 years old) was older than that for the State (39.1 years old) and of the U.S. (38.3 years old).
- Income offers a broad measurement of spending potential for a specific population because it indicates the general ability of individuals or households to purchase a variety of goods and services including admission to sporting events. Median household income in 2018 for the MSA was \$57,530, which was significantly lower than that for the State (\$79,833) and relatively comparable to the U.S. (\$58,100).



# LOCAL MARKET CONDITIONS

## Highway and Air Accessibility

As shown in the map below, north/south highway access is provided by Interstate 81 and U.S. Route 11. East/west highway access is provided by U.S. Route 40 Alternate and Interstate 70.



Hagerstown is serviced by the Baltimore/Washington International Thurgood Marshall Airport which had approximately 12.98 million enplanements in 2017, an increase of 5% over 2016. Hagerstown is also serviced by the Hagerstown Regional-Richard A Henson Field Airport which had approximately 26,000 enplanements in 2017, a decrease of 6% from 2016.

# LOCAL MARKET CONDITIONS

## Area Hotel Supply

There are approximately 1,700 hotels rooms in the Hagerstown area. Several hotels offer meeting space, which ranges from 1,000 to 8,000 square feet, that can be used for various events and business functions.

Hotel Supply in Hagerstown	
Property	Number of Rooms
Ramada Plaza Hotel - Hagerstown	158
Hampton Inn - Hagerstown	118
Hampton Inn - Hagerstown - I-81	118
Holiday Inn Express Hotel & Suites	108
SpringHill Suites by Marriott	104
Homewood Suites by Hilton	102
Courtyard by Marriott	96
Sleep Inn & Suites - Hagerstown	96
Baymont Inn & Suites by Wyndham Hotels	86
Country Inn & Suites	85
Holiday Inn Express - Clear Spring	79
Red Roof Inn	79
Comfort Suites	75
Quality Inn & Suites	73
Days Inn	70
Super 8 - Halfway Hagerstown	62
Super 8 - Hagerstown	60
Microtel Inn & Suites	53
Super 8 - Hancock	50
Hancock Motel	22
<b>Total</b>	<b>1,694</b>

Note: Sorted in descending order by number of rooms

Source: Visit Hagerstown.

# LOCAL MARKET CONDITIONS

## Employment Statistics

The composition of an area's employment by industry is a consideration when targeting various events and/or seeking advertising and sponsorship opportunities at the proposed new ballpark. A broad workforce distribution helps lessen a community's dependency on support from any single industry segment. Employment diversification helps a local economy withstand economic downturns due to dependency upon one industry; should one fail, there are others upon which the local economy can rely.

As of October 2018, the trade, transportation and utilities industry comprised approximately 26% of the workforce followed by the government industry (18%) and the education and health services industry (15%). There were approximately 109,500 total jobs in the Hagerstown MSA as of October 2018.

The City of Hagerstown's unemployment rate was significantly higher than that for the MSA, State of Maryland and the U.S. in October 2018.

Employment by Industry in the Hagerstown Metro Area		
Industry	Total Jobs	% of Total
Trade, Transportation, and Utilities	28,400	25.9%
Government	19,400	17.7%
Education and Health Services	16,900	15.4%
Leisure and Hospitality	10,200	9.3%
Professional and Business Services	10,000	9.1%
Manufacturing	8,300	7.6%
Financial Activities	6,500	5.9%
Mining, Logging and Construction	4,400	4.0%
Other Services	3,600	3.3%
Information	1,800	1.6%
<b>Total</b>	<b>109,500</b>	<b>100.0%</b>

Note: Sorted in descending order by total jobs as of October 2018.

Source: U.S. Bureau of Labor Statistics.

Unemployment Rates - October 2018	
Hagerstown	4.8%
Hagerstown-Martinsburg MD-WV MSA	3.9%
State of Maryland	3.8%
United States	3.5%

Note: Unemployment rates represent not seasonally adjusted data.

Source: U.S. Bureau of Labor Statistics.

# LOCAL MARKET CONDITIONS

## Supply of Local Ballparks

According to the Maryland Sport Commission website, there are three baseball stadiums in the area including Municipal Stadium:

- Athletic, Recreation & Community Center (ARCC) at Hagerstown Community College
  - Martin “Marty” Snook Memorial Park
  - Municipal Stadium
- 
- The ARCC is owned and operated by Hagerstown Community College and includes several athletic facilities including a baseball field. The ARCC has bleacher seating capacity of 1,500 and total capacity of 5,000. The baseball facility has bleacher seating of approximately 1,000 but does not have a press box, lights or bus / motor coach parking. The facility houses 14 collegiate athletic programs and hosts several events such as tournaments and clinics, parties, dinners and family shows.
  - Snook Memorial Park is owned by the local parks and recreation organization. The park includes two baseball fields that include dugouts, lights, scoreboards and bus / motor coach parking. This facility does not have a press box.
  - Comparatively, the existing Municipal Stadium includes a press box, dugouts, lights, scoreboards and bus / motor coach parking. Municipal stadium also has concession capabilities, locker rooms and team meeting spaces.
  - In addition, there are several other City-owned recreational parks that feature youth baseball fields such as Fairgrounds Park, Staley Park, Historic City Park, Hager Park and Hellane Park.

# LOCAL MARKET CONDITIONS

## Supply of Local Event Facilities

In addition to housing the Hagerstown Suns, a new stadium could potentially host concerts, festivals, consumer shows, family entertainment, meetings, social functions and other large gatherings. Some other venues in Hagerstown that currently host these types of events include:

- Hagerstown Speedway
  - The Maryland Theatre
  - H. Ric Luhrs Performing Arts Center
  - Hager Hall Conference & Event Center
  - The Herald-Mail Press Room
- Hagerstown Speedway is a red clay racing track. The Speedway hosts approximately 30 events per year including races and community events, usually on the weekends during March through October. Capacity of the venue is approximately 8,500.
  - The Maryland Theatre was built in 1915 and seats 1,300 for concerts, shows, recitals, plays, and other performances. The Theatre also hosts private events such as lectures or seminars, weddings, birthdays, memorial services, holiday gatherings, and fundraising or networking events. The Maryland Theatre has approximately 100,000 attendees annually.
  - H. Ric Luhrs Performing Arts Center features a 1,500-seat theatre with the ability to expand capacity to 3,750. The facility also features several studios and a banquet/reception space. Primary events hosted at the center include Broadway performances, symphonies, concerts, family shows, youth programs meetings and conferences.
  - Hager Hall Conference & Event Center hosts a large number and variety of events, including weddings, conferences, meetings, small concerts, and holiday or birthday parties. The venue has a total capacity of 2,000.
  - The Herald-Mail Press Room was built in 1979 and renovated to include more event space after the printing was outsourced in 2011. Throughout 7,000 square feet of event space the facility can host a capacity of approximately 370 people for weddings, receptions, corporate meetings, seminars, reunions and other special events.

# LOCAL MARKET CONDITIONS

## Supply of Local Event Facilities (cont'd)

In addition to these profiled facilities, there are several hotels that feature meeting rooms that can accommodate various events. Further, the downtown Hagerstown Historic City Center hosts several events throughout the year such as the Blues Festival, Historic City Farmer's Market, cycling events and "Augustoberfest".

In addition to these local event facilities, the City completed the first phase of a feasibility study for a multi-use indoor sports facility. Although the location for the facility has not yet been determined, Fairgrounds Park is one of the potential sites. Other potential sites identified in the study include the City-owned golf course, The Greens at Hamilton Run, downtown Hagerstown and the existing site of Municipal Stadium. The phase one study included a poll of over 700 local stakeholders and found that soccer, basketball, baseball and volleyball were the most popular sports among those polled. While this proposed facility's focus would be on sporting events that are held indoors such as volleyball, basketball, soccer and lacrosse, it is reasonable to assume that the proposed new facility could host other events such as parties and community/civic events.

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# MINOR LEAGUE BASEBALL ANALYSIS

## Background

Minor League Baseball, referred to as MiLB, was formed as the National Association of Professional Baseball Leagues (NAPBL) in 1901. MiLB is a hierarchy of professional baseball leagues that competes at levels below Major League Baseball (MLB). MiLB provides opportunities for player development while preparing for the Major League.

MiLB is governed by a President, Board of Trustees, and Council of League Presidents. The 17-member Board of Trustees consists of one club owner from each league. The President is elected to a four-year term at the annual MiLB meeting.

The majority of MiLB teams are independently owned and operated, with some being directly owned by the parent MLB club. Those MiLB teams not directly owned by an MLB franchise seek affiliation every two or four years through Player Development Contracts (PDC).

The number of leagues and teams in MiLB has fluctuated throughout its existence. MiLB currently consists of 256 teams across six classifications. The classifications, in descending order of talent, are as follows:

- Triple-A
- Double-A
- Class A-Advanced
- Class A
- Class A Short Season
- Rookie Leagues

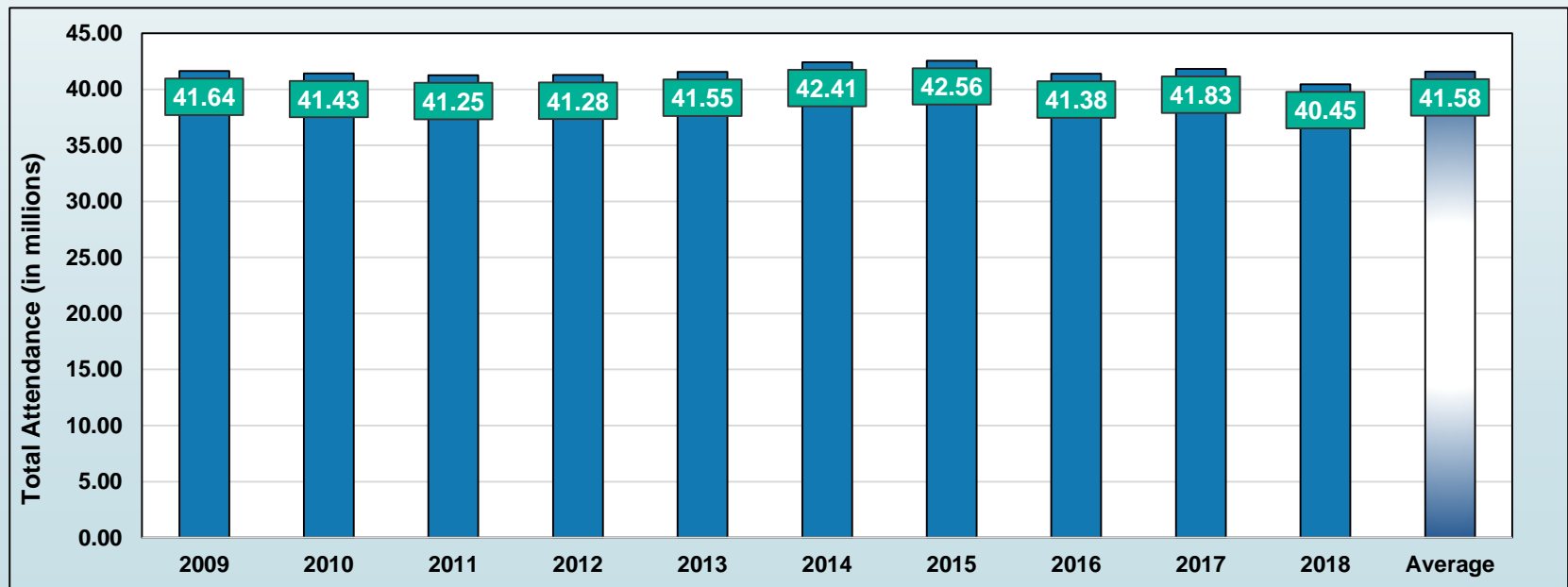


# MINOR LEAGUE BASEBALL ANALYSIS

## Trends in MiLB Attendance

Although the Hagerstown Suns compete in the Class A SAL, it is important to understand broader attendance trends within MiLB. Total attendance at MiLB games averaged 41.58 million over the last 10 years. In 2018 total attendance experienced a significant drop which, according to MiLB, was partially attributable to several factors including, but not limited to, weather conditions and the number of games being played decreasing from 142 to 140 in the Triple A leagues and the Double-A Eastern League. Although 2018 marked the lowest total attendance during the 10-year profiled period, MiLB has proven to be a stable product over the long-term. One reason is that MiLB is considered by many people to be one of the most affordable forms of professional sports entertainment.

**Total Attendance - MiLB (2009 - 2018)**



Source: MiLB.

# MINOR LEAGUE BASEBALL OVERVIEW

## Class A

Within the broader MiLB, Class A is comprised of two (2) subclassifications: Class A-Advanced and Class A (where the Hagerstown Suns play). Class A-Advanced includes the California League, Carolina League and the Florida League. Class A consists of the Midwest League and the South Atlantic League. Throughout the five (5) leagues, 60 teams play in 17 different states.

Class A-Advanced			Class A	
California League	Carolina League	Florida State League	Midwest League	South Atlantic League
Inland Empire 66ers	Carolina Mudcats	Bradenton Marauders	Beloit Snappers	Asheville Tourists
Lake Elsinore Storm	Down East Wood Ducks	Charlotte Stone Crabs	Bowling Green Hot Rods	Augusta GreenJackets
Lancaster JetHawks	Fayetteville Woodpeckers	Clearwater Threshers	Burlington Bees	Charleston RiverDogs
Modesto Nuts	Frederick Keys	Daytona Tortugas	Cedar Rapids Kernels	Columbia Fireflies
Rancho Cucamonga Quakes	Lynchburg Hillcats	Dunedin Blue Jays	Clinton LumberKings	Delmarva Shorebirds
San Jose Giants	Myrtle Beach Pelicans	Florida Fire Frogs	Dayton Dragons	Greensboro Grasshoppers
Stockton Ports	Potomac Nationals	Fort Myers Miracle	Fort Wayne TinCaps	Greenville Drive
Visalia Rawhide	Salem Red Sox	Jupiter Hammerheads	Great Lakes Loons	<b>Hagerstown Suns</b>
	Wilmington Blue Rocks	Lakeland Flying Tigers	Kane County Cougars	Hickory Crawdads
	Winston-Salem Dash	Palm Beach Cardinals	Lake County Captains	Kannapolis Intimidators
		St. Lucie Mets	Lansing Lugnuts	Lakewood BlueClaws
		Tampa Tarpons	Peoria Chiefs	Lexington Legends
			Quad Cities River Bandits	Rome Braves
			South Bend Cubs	West Virginia Power
			West Michigan Whitecaps	
			Wisconsin Timber Rattlers	

Source: MiLB.

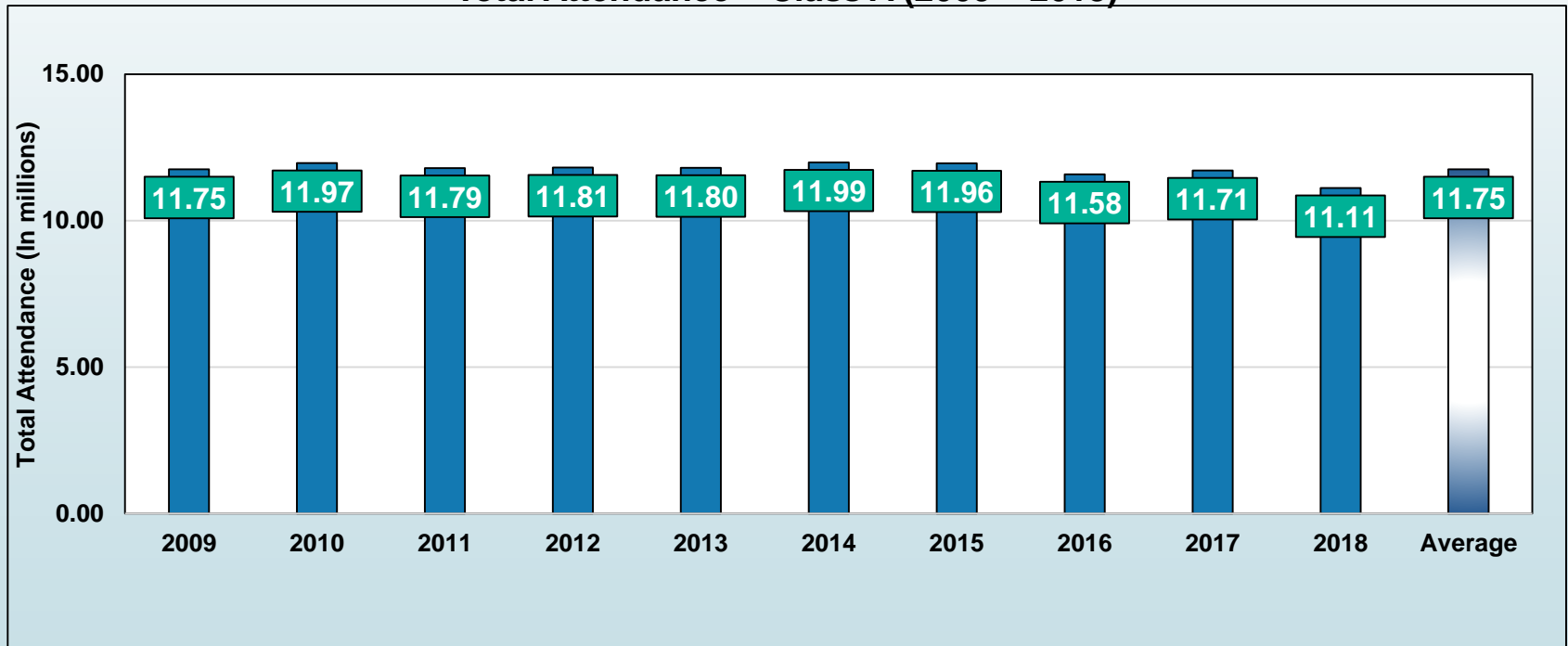
The pages that follow depict attendance trends for both Class A and Class A-Advanced teams in aggregate, which are collectively referred to as “Class A” unless otherwise noted.

# MINOR LEAGUE BASEBALL ANALYSIS

## Class A

Between 2009 and 2018, total attendance for all Class A teams averaged 11.75 million per year. It is important to recognize that MiLB teams tend to distribute a large number of complimentary tickets and utilize tickets for trade/barter/sponsorship. In addition, not every ticket holder attends a game. As such, reported attendance numbers do not necessarily reflect the actual turnstile amount.

**Total Attendance – Class A (2009 – 2018)**



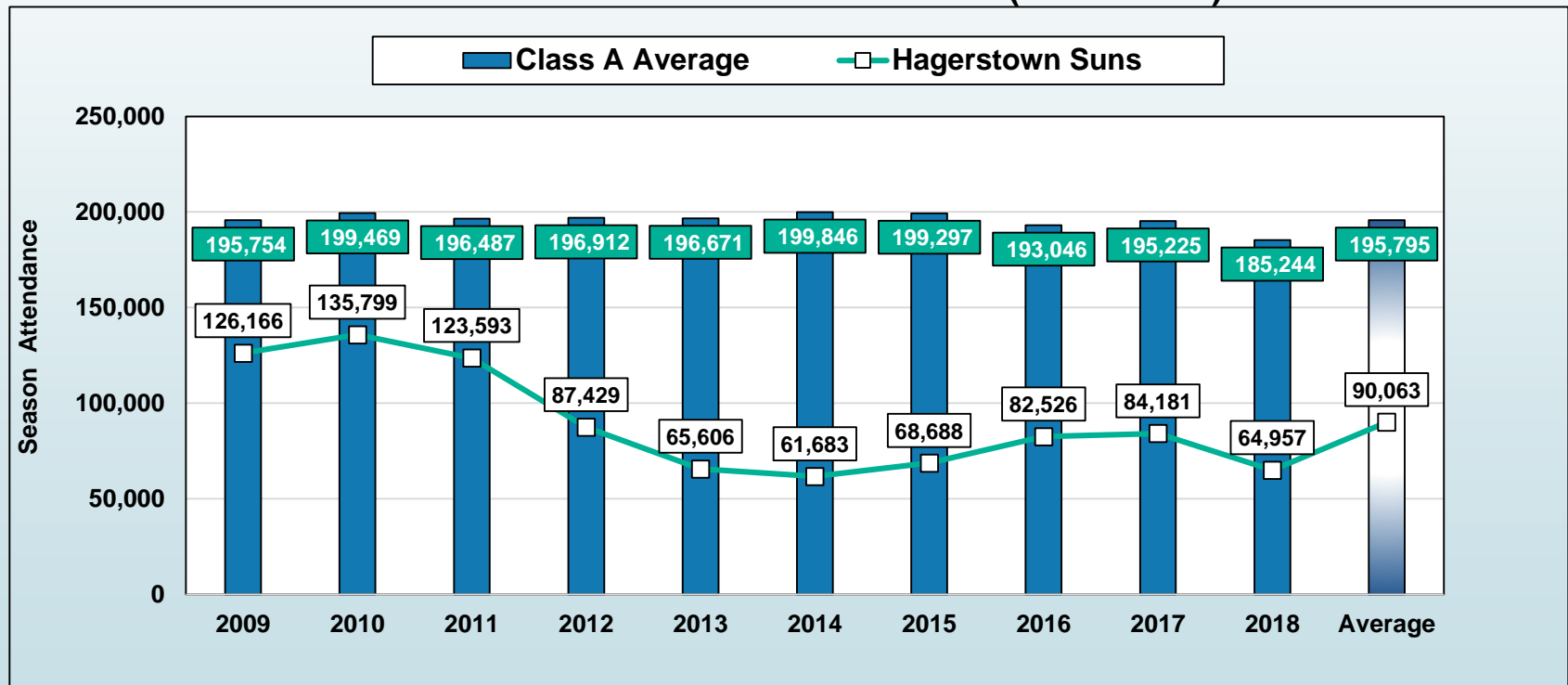
Source: MiLB.

# MINOR LEAGUE BASEBALL ANALYSIS

## Class A (cont'd)

Season attendance per team averaged 195,795 for all Class A teams for the profiled 10-year period. After a decline from 2011 through 2014, the Hagerstown Suns attendance increased each year from 2015 to 2017 before experiencing a drop in 2018. During the profiled period, the Suns' season attendance was significantly below the Class A average.

Season Attendance Per Team – Class A (2009 – 2018)



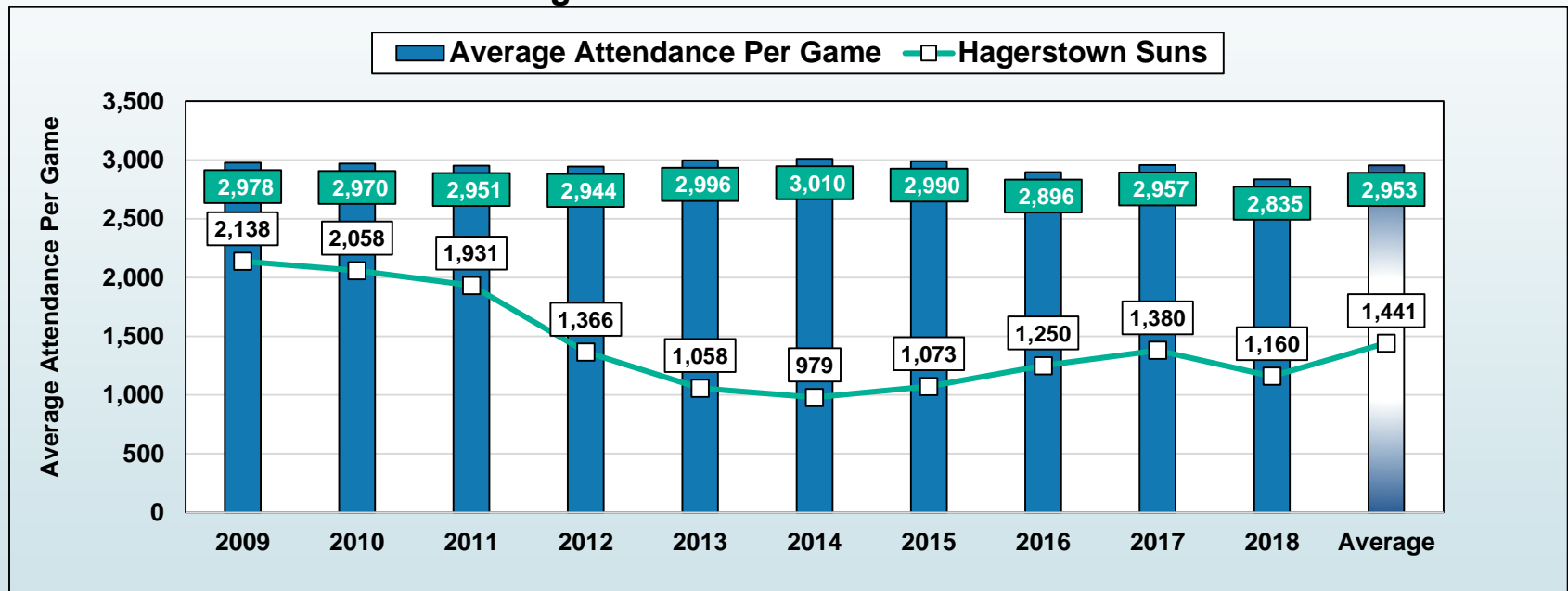
Source: MiLB.

# MINOR LEAGUE BASEBALL ANALYSIS

## Class A (cont'd)

As with season attendance, the Hagerstown Suns' attendance per game has historically been below the Class A average.

Average Attendance Per Game – Class A



Source: MiLB.

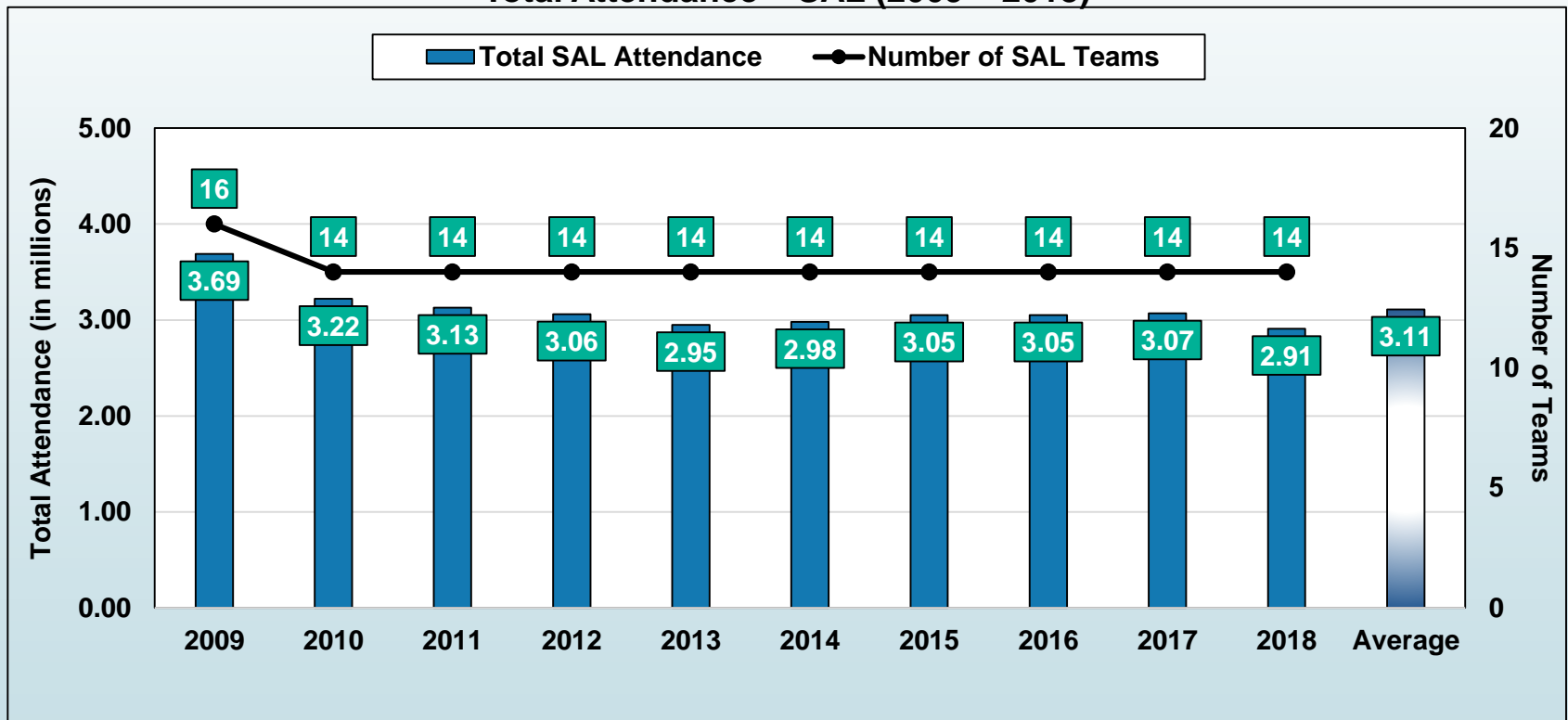
While the previous pages offered analysis of Hagerstown Suns' performance in terms of attendance within the broader Class A classification, the following pages provide analysis in terms of performance within the SAL.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League - Attendance

Within Class A, the SAL averaged 3.11 million in total attendance over the previous 10 years. In 2010, the number of teams in the SAL decreased from 16 to 14 which negatively impacted total SAL attendance.

Total Attendance – SAL (2009 – 2018)



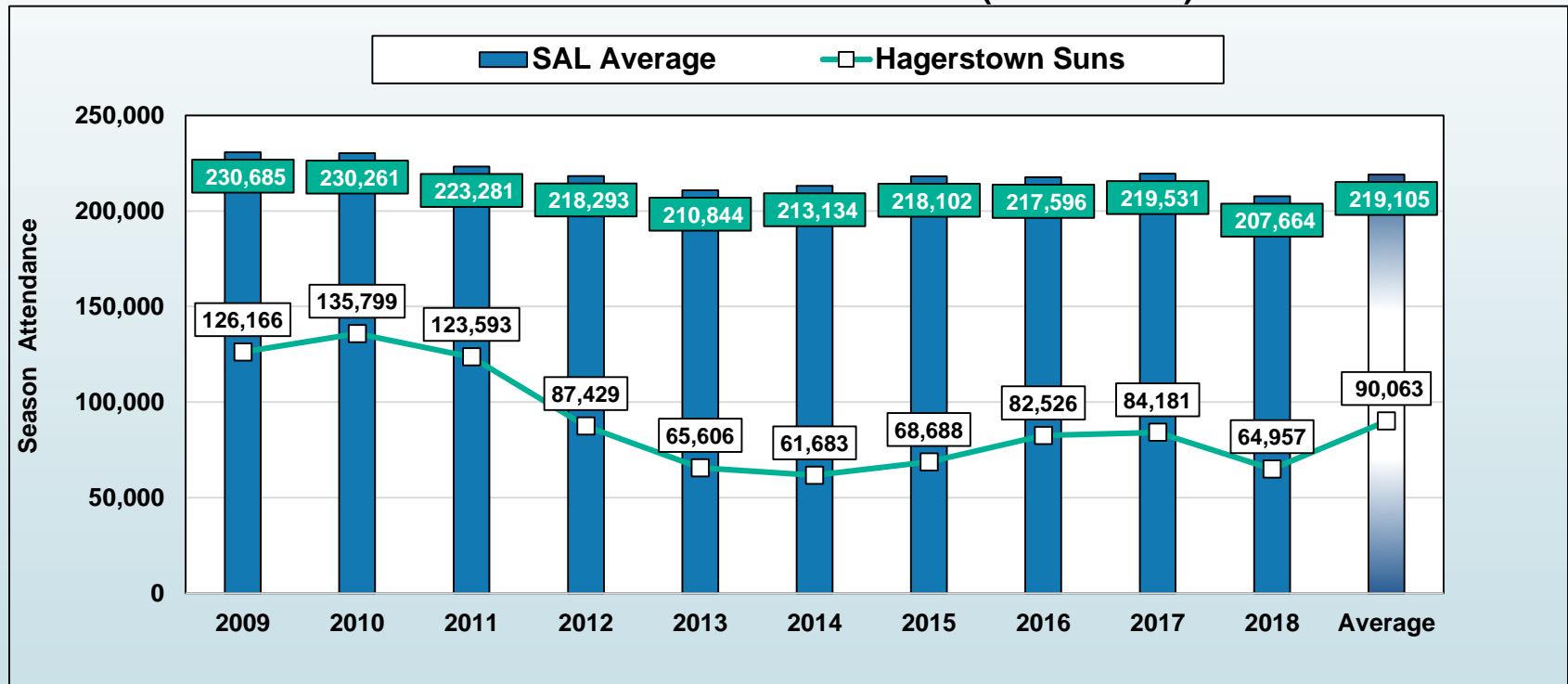
Source: MiLB.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League - Attendance (cont'd)

The average season attendance per team in the SAL remained relatively consistent from 2009 through 2017 before experiencing a 5% decrease in 2018. As shown, the Hagerstown Suns drew significantly less in season attendance than the SAL average each of the profiled years.

Season Attendance Per Team – SAL (2009 – 2018)



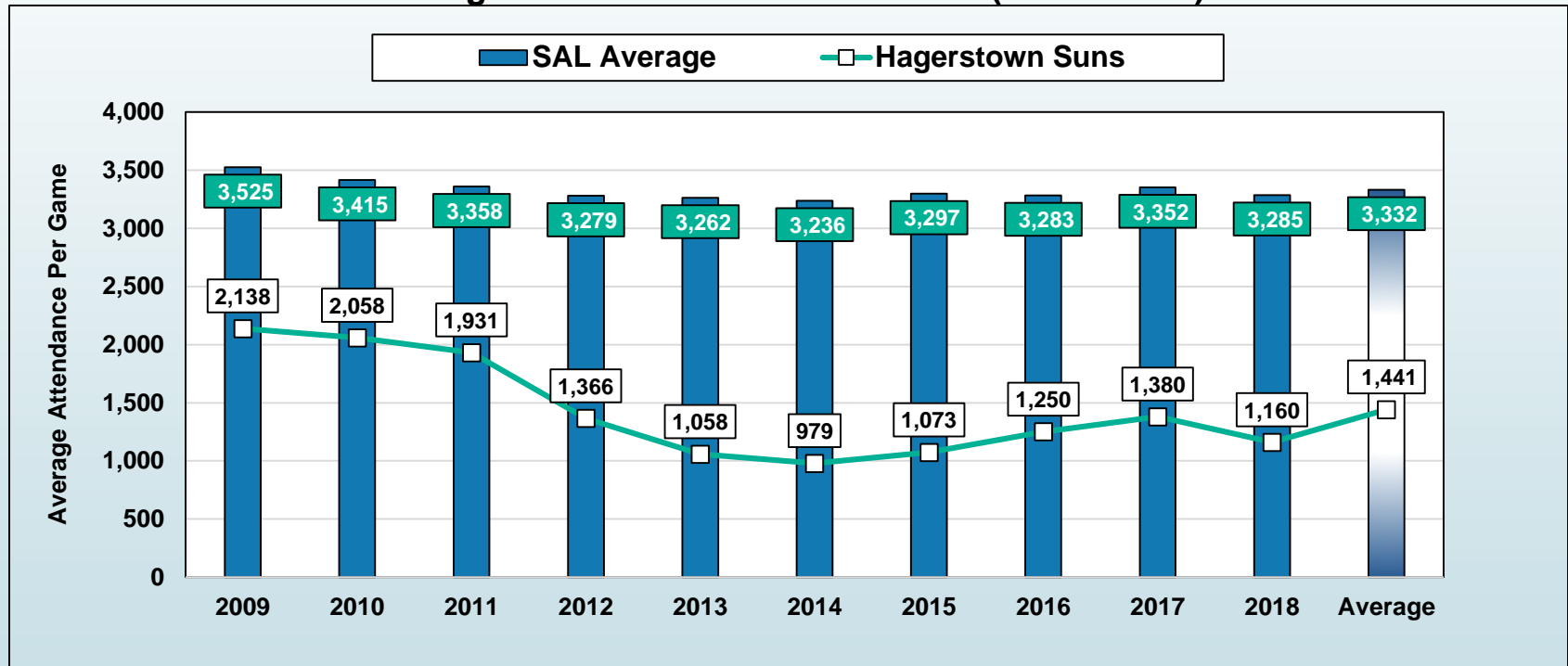
Source: MiLB.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League - Attendance (cont'd)

As with season attendance per team, average attendance per game in the SAL remained relatively consistent during the profiled period. From 2009 through 2018, average attendance per game for the Hagerstown Suns was consistently below the average for the SAL.

Average Attendance Per Game – SAL (2009 – 2018)



Source: MiLB.



# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League - Attendance (cont'd)

The tables to the right show the total season attendance and ranking for SAL teams from 2009 through 2018.

In 2018, total season attendance of the Hagerstown Suns decreased by 23%

The Augusta GreenJackets were the only team to experience an increase in total attendance in 2018 (43%), which was likely attributable to the community excitement generated from the team playing its first season in a new stadium (SRP Park).

During the profiled period, the Hagerstown Suns consistently ranked in the lower quartile of SAL teams in terms of total season attendance.

South Atlantic League Total Attendance											Team Average
Team	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
Greensboro Grasshoppers	406,549	379,511	388,218	367,077	362,274	369,170	361,288	336,121	350,743	322,156	364,311
Greenville Drive	335,159	337,918	327,558	347,042	300,402	346,187	346,828	331,911	328,222	313,507	331,473
Charleston RiverDogs	268,985	269,023	265,465	254,002	283,274	280,075	292,661	293,161	305,622	305,040	281,731
Lakewood BlueClaws	429,221	431,954	382,070	410,113	400,299	380,573	388,718	353,080	338,544	293,413	380,799
Lexington Legends	332,588	336,168	312,349	295,937	274,805	282,158	283,873	276,062	281,210	281,134	295,628
Augusta GreenJackets	194,437	201,760	200,115	182,124	176,762	169,194	174,382	169,421	178,269	255,155	190,162
Columbia Fireflies								261,134	315,034	251,586	275,918
Delmarva Shorebirds	214,575	221,051	211,993	231,194	206,772	210,130	203,520	209,120	207,131	201,329	211,682
Asheville Tourists	146,353	160,023	157,199	155,760	163,664	174,893	181,578	183,058	184,019	170,389	167,694
Rome Braves	183,750	193,061	186,345	184,983	168,026	177,531	180,191	161,121	161,444	146,276	174,273
Hickory Crawdads	131,414	140,789	131,131	132,696	143,157	148,414	149,963	150,110	136,225	125,394	138,929
West Virginia Power	177,691	172,344	165,996	157,875	149,198	140,484	160,429	143,755	133,679	112,273	151,372
<b>Hagerstown Suns</b>	<b>126,166</b>	<b>135,799</b>	<b>123,593</b>	<b>87,429</b>	<b>65,606</b>	<b>61,683</b>	<b>68,688</b>	<b>82,526</b>	<b>84,181</b>	<b>64,957</b>	<b>90,063</b>
Kannapolis Intimidators	132,342	123,828	138,487	132,493	125,811	119,377	135,727	95,757	69,112	64,688	113,762
Bowling Green Hot Rods	232,987										232,987
Lake County Captains	267,895										267,895
Savannah Sand Gnats	110,846	120,426	135,415	117,372	131,763	124,013	125,587				123,632
<b>Total</b>	<b>3,690,958</b>	<b>3,223,655</b>	<b>3,125,934</b>	<b>3,056,097</b>	<b>2,951,813</b>	<b>2,983,882</b>	<b>3,053,433</b>	<b>3,046,337</b>	<b>3,073,435</b>	<b>2,907,297</b>	<b>3,111,284</b>
<b>Average</b>	<b>230,685</b>	<b>230,261</b>	<b>223,281</b>	<b>218,293</b>	<b>210,844</b>	<b>213,134</b>	<b>218,102</b>	<b>217,596</b>	<b>219,531</b>	<b>207,664</b>	

Note: Sorted in descending order of 2018 total attendance.  
Source: MLB.

South Atlantic League Total Attendance Ranking										
Team	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Lakewood BlueClaws	1	1	2	1	1	1	1	1	2	4
Greensboro Grasshoppers	2	2	1	2	2	2	2	2	1	1
Greenville Drive	3	3	3	3	3	3	3	3	3	2
Lexington Legends	4	4	4	4	5	4	5	5	5	5
Charleston RiverDogs	5	5	5	5	4	5	4	4	5	3
Delmarva Shorebirds	8	6	6	6	6	6	6	6	7	8
Augusta GreenJackets	9	7	7	8	7	9	9	9	9	6
West Virginia Power	11	9	9	9	10	11	10	12	12	12
Asheville Tourists	12	10	10	10	9	8	7	8	8	9
Rome Braves	10	8	8	7	8	7	8	10	10	10
Hickory Crawdads	14	11	13	11	11	10	11	11	11	11
Kannapolis Intimidators	13	13	11	12	13	13	12	13	14	14
<b>Hagerstown Suns</b>	<b>15</b>	<b>12</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>13</b>
Columbia Fireflies	--	--	--	--	--	--	--	--	6	7
Savannah Sand Gnats	16	14	12	13	12	12	13	--	--	--
Lake County Captains	6	--	--	--	--	--	--	--	--	--
Bowling Green Hot Rods	7	--	--	--	--	--	--	--	--	--

Note: Sorted in order of most common ranking.  
Source: MLB.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League - Attendance (cont'd)

In 2018, the Hagerstown Suns' average attendance per game decreased by 16%.

Within the SAL, only four (4) teams realized an increase in average attendance per game between 2017 and 2018: the Lexington Legends, Augusta GreenJackets, Asheville Tourists and the Kannapolis Intimidators.

As with total season attendance, the Hagerstown Suns consistently ranked in the lower quartile of SAL teams in terms of average attendance per game.

South Atlantic League Average Attendance Per Game										
Team	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Savannah Sand Gnats	1,732	1,825	1,963	1,863	2,027	2,067	1,962	--	--	--
Greensboro Grasshoppers	5,979	5,500	5,546	5,479	5,489	5,429	5,313	5,171	5,235	4,881
Greenville Drive	4,857	4,969	4,747	5,104	4,768	5,017	5,100	4,810	4,899	4,823
Lakewood BlueClaws	6,312	6,171	6,263	6,031	5,975	5,597	5,634	5,350	5,208	4,657
Charleston RiverDogs	4,015	3,899	3,962	3,791	4,292	4,309	4,368	4,311	4,494	4,486
Lexington Legends	4,964	4,872	4,880	5,823	4,102	4,211	4,367	4,382	4,326	4,462
Augusta GreenJackets	2,902	3,011	2,943	2,846	2,851	2,525	2,725	2,606	2,743	4,050
Columbia Fireflies	--	--	--	--	--	--	--	3,785	4,773	3,755
Delmarva Shorebirds	3,576	3,251	3,072	3,303	3,335	3,233	3,230	3,217	3,236	3,097
Asheville Tourists	2,361	2,353	2,346	2,291	2,518	2,572	2,670	2,774	2,706	2,840
Rome Braves	2,827	2,839	2,781	2,803	2,625	2,573	2,689	2,405	2,374	2,286
Bowling Green Hot Rods	3,530	--	--	--	--	--	--	--	--	--
Lake County Captains	4,000	--	--	--	--	--	--	--	--	--
Hickory Crawdads	1,905	2,070	2,049	2,011	2,169	2,151	2,205	2,176	2,129	1,900
West Virginia Power	2,820	2,572	2,554	2,356	2,331	2,266	2,468	2,212	2,057	1,841
<b>Hagerstown Suns</b>	<b>2,138</b>	<b>2,058</b>	<b>1,931</b>	<b>1,366</b>	<b>1,058</b>	<b>979</b>	<b>1,073</b>	<b>1,250</b>	<b>1,380</b>	<b>1,160</b>
Kannapolis Intimidators	2,005	2,030	2,067	2,007	1,906	1,925	2,056	1,473	1,080	1,115
<b>Average</b>	<b>3,525</b>	<b>3,415</b>	<b>3,358</b>	<b>3,279</b>	<b>3,262</b>	<b>3,236</b>	<b>3,297</b>	<b>3,283</b>	<b>3,352</b>	<b>3,285</b>

Note: Sorted in descending order of 2018 average attendance ranking.

Source: MLB

Average Attendance Per Game Ranking for SAL Teams										
Team	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Savannah Sand Gnats	16	14	13	13	12	12	13	--	--	--
Greensboro Grasshoppers	2	2	2	3	2	2	2	2	1	1
Greenville Drive	4	3	4	4	3	3	3	3	3	2
Lakewood BlueClaws	1	1	1	1	1	1	1	1	2	3
Charleston RiverDogs	5	5	5	5	4	4	4	5	5	4
Lexington Legends	3	4	3	2	5	5	5	4	6	5
Augusta GreenJackets	9	7	7	7	7	9	7	9	8	6
Columbia Fireflies	--	--	--	--	--	--	--	6	4	7
Delmarva Shorebirds	7	6	6	6	6	6	6	7	7	8
Asheville Tourists	12	10	10	10	9	8	9	8	9	9
Rome Braves	10	8	8	8	8	7	8	10	10	10
Bowling Green Hot Rods	8	--	--	--	--	11	11	12	11	11
Lake County Captains	6	--	--	--	--	--	--	--	--	--
Hickory Crawdads	15	11	12	11	11	--	--	--	--	--
West Virginia Power	11	9	9	9	10	10	10	11	12	12
<b>Hagerstown Suns</b>	<b>13</b>	<b>12</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>
Kannapolis Intimidators	14	13	11	12	13	13	12	13	14	14

Note: Sorted in descending order of 2018 average attendance ranking.

Source: MLB

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Market Attributes

Market size can have an impact on a team's attendance levels. The table below profiles select market attributes for the MSAs which hosted SAL teams in 2018 as well as total attendance for each team.

Comparison of Attendance and Select Market Attributes for South Atlantic League Markets											
Team	MSA	2018 Total Attendance		2018 MSA Population		Market Capture Rate		2018 Median Household Income		2018 Median Age	
		Attendance	Rank	Total	Rank	Rate	Rank	Amount	Rank	Amount	Rank
Rome Braves	Rome, GA	146,276	10	98,192	14	149%	1	\$46,924	13	38.8	7
Lexington Legends	Lexington-Fayette, KY	281,134	5	516,464	8	54%	2	\$55,505	5	36.6	1
West Virginia Power	Charleston, WV	112,273	12	221,625	13	51%	3	\$47,431	12	44.1	12
Delmarva Shorebirds	Salisbury, MD	201,329	8	418,203	10	48%	4	\$55,240	6	44.7	13
Greensboro Grasshoppers	Greensboro-High Point, NC	322,156	1	767,897	6	42%	5	\$49,194	11	39.1	8
Augusta GreenJackets	Augusta-Richmond County, GA-SC	255,155	6	615,322	7	41%	6	\$51,728	8	38.1	5
Charleston RiverDogs	Charleston-North Charleston, SC	305,040	3	783,132	5	39%	7	\$57,905	3	37.0	2
Asheville Tourists	Asheville, NC	170,389	9	469,789	9	36%	8	\$50,360	10	44.7	13
Greenville Drive	Greenville-Anderson-Mauldin, SC	313,507	2	910,412	3	34%	9	\$51,617	9	39.2	9
Hickory Crawdads	Hickory-Lenoir-Morganton, NC	125,394	11	371,246	11	34%	10	\$45,041	14	42.5	11
Columbia Fireflies	Columbia, SC	251,586	7	840,419	4	30%	11	\$54,854	7	37.1	3
<b>Hagerstown Suns</b>	<b>Hagerstown-Martinsburg, MD</b>	<b>64,957</b>	<b>13</b>	<b>270,181</b>	<b>12</b>	<b>24%</b>	<b>12</b>	<b>\$57,530</b>	<b>4</b>	<b>40.0</b>	<b>10</b>
Kannapolis Intimidators	Charlotte-Concord-Gastonia, NC	64,688	14	2,565,531	2	3%	13	\$58,681	2	37.5	4
Lakewood BlueClaws	New York-Newark-Jersey City, NY-NJ-PA	293,413	4	20,477,969	1	1%	14	\$74,510	1	38.7	6
<b>South Atlantic League Average (excluding Hagerstown)</b>		<b>218,642</b>		<b>2,235,092</b>		<b>43%</b>		<b>\$53,768</b>		<b>39.9</b>	
<b>South Atlantic League Median (excluding Hagerstown)</b>		<b>251,586</b>		<b>615,322</b>		<b>39%</b>		<b>\$51,728</b>		<b>38.8</b>	

Notes: Sorted in descending order by market capture rate.  
Market capture rate = total attendance/MSA population.  
Sources: MILB, ESRI, secondary sources.

- Hagerstown ranked 4<sup>th</sup> highest among SAL markets in 2018 median household income.
- Hagerstown is one of the smallest markets in the SAL, ranking 12th of 14.
- However, lower attendance at Hagerstown Suns games cannot solely be attributed to their smaller market size as teams in smaller markets like Rome, Georgia and Charleston, West Virginia drew higher attendance in 2018.
- In 2018, teams with a market size of 250,000 or less averaged attendance of approximately 129,000 and teams with a market size ranging from 250,000 to 550,000 averaged nearly 195,000. Teams with a market greater than 550,000 averaged attendance of 258,000. With a market size of 270,181, the Hagerstown Suns recorded attendance much lower than teams with smaller and similar sized markets.
- In 2018, the average market capture rate in the SAL was 43% which was slightly higher than the median market capture rate (39%).

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Percent of Stadium Capacity

The table below shows capacities of each stadium as well as the percentage of the capacity occupied by average attendance per game for the current SAL teams. The capacity of a stadium and patron amenities can impact marketability as well as the types of events that can be accommodated.

Comparison of Stadium Size to Attendance for South Atlantic League Teams									
Team	Stadium Name	Seating Capacity		2018 Season Attendance		2018 Average Attendance		Average Percent of Stadium Capacity	
		Capacity	Rank	Attendance	Rank	Attendance	Rank	Capacity	Rank
Lexington Legends	Whitaker Bank Ballpark	8,394	1	281,134	5	4,462	5	53%	8
Greensboro Grasshoppers	First National Bank Field	7,599	2	322,156	1	4,881	1	64%	6
Columbia Fireflies	Segra Park	7,301	3	251,586	7	3,755	7	51%	9
Lakewood BlueClaws	FirstEnergy Park	6,588	4	293,413	4	4,657	3	71%	5
Charleston RiverDogs	Joseph O. Riley, Jr Park	5,500	5	305,040	3	4,486	4	82%	3
Greenville Drive	Fluor Field at the West End	5,500	5	313,507	2	4,823	2	88%	1
Kannapolis Intimidators	Intimidators Stadium	5,500	5	64,688	14	1,115	14	20%	14
Delmarva Shorebirds	Arthur W. Perdue Stadium	5,200	8	201,329	8	3,097	8	60%	7
Rome Braves	State Mutual Stadium	5,100	9	146,276	10	2,286	10	45%	11
Augusta GreenJackets	SRP Park	4,728	10	255,155	6	4,050	6	86%	2
<b>Hagerstown Suns</b>	<b>Municipal Stadium</b>	<b>4,600</b>	<b>11</b>	<b>64,957</b>	<b>13</b>	<b>1,160</b>	<b>13</b>	<b>25%</b>	<b>13</b>
West Virginia Power	Appalachian Power Park	4,500	12	112,273	12	1,841	12	41%	12
Asheville Tourists	McCormick Field	4,000	13	170,389	9	2,840	9	71%	4
Hickory Crawdads	L. P. Frans Stadium	3,959	14	125,394	11	1,900	11	48%	10
<b>South Atlantic League Average (Excluding Hagerstown)</b>		<b>5,680</b>		<b>218,640</b>		<b>3,400</b>		<b>60%</b>	

Notes: Sorted in descending order by seating capacity.

Average percent of stadium capacity = average attendance/seating capacity.

Source: MiLB.

- The average capacity for SAL stadiums is approximately 5,680.
- With a capacity of approximately 4,600, Municipal Stadium ranks 11<sup>th</sup> in seating capacity, which may limit the stadium's ability to attract larger events outside of MiLB games, such as concerts, in comparison to other SAL ballparks.
- In 2018, the Hagerstown Suns averaged 25% of stadium capacity compared to the SAL average of approximately 60%.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Stadium Attributes

The table that follows compares Municipal Stadium to other SAL stadiums in terms of select stadium attributes.

Comparison of Stadium Attributes for South Atlantic League Teams								
Team	MLB Affiliation	City	Stadium Name	Stadium Owner	Stadium Operator	Year Built	Seating Capacity	Suites
Augusta GreenJackets	San Francisco Giants	North Augusta, SC	SRP Park	City of North Augusta	Agon Sports & Entertainment	2018	4,728	10
Columbia Fireflies	New York Mets	Columbia, SC	Segra Park	City of Columbia	Hardball Capital, LLC	2016	7,301	16
Greenville Drive	Boston Red Sox	Greenville, SC	Fluor Field at the West End	Greenville Drive, LLC	Greenville Drive, LLC	2006	5,500	16
Greensboro Grasshoppers	Pittsburgh Pirates	Greensboro, NC	First National Bank Field	Greensboro Baseball, LLC	Greensboro Baseball, LLC	2005	7,599	16
West Virginia Power	Seattle Mariners	Charleston, WV	Appalachian Power Park	City of Charleston, WV	Palisades Baseball	2005	4,500	14
Rome Braves	Atlanta Braves	Rome, GA	State Mutual Stadium	Floyd County	Rome Baseball Club	2003	5,100	14
Lakewood BlueClaws	Philadelphia Phillies	Lakewood, NJ	FirstEnergy Park	Lakewood Development Corporation	Lakewood Development Corporation	2001	6,588	16
Lexington Legends	Kansas City Royals	Lexington, KY	Whitaker Bank Ballpark	Lexington Professional Baseball Company, LLC	Lexington Professional Baseball Company, LLC	2001	8,394	24
Charleston RiverDogs	New York Yankees	Charleston, SC	Joseph P. Riley, Jr Park	City of Charleston, NC	Charleston Baseball, Inc.	1997	5,500	8
Delmana Shorebirds	Baltimore Orioles	Salisbury, MD	Arthur W. Perdue Stadium	Wicomico County	7th Inning Stretch LP	1996	5,200	6
Kannapolis Intimidators	Chicago White Sox	Kannapolis, NC	Intimidators Stadium	Rowan County & City of Kannapolis	Smith Family Baseball	1995	5,500	6
Hickory Crawdads	Texas Rangers	Hickory, NC	L. P. Frans Stadium	Hickory Baseball, Inc.	Hickory Baseball, Inc.	1993	3,959	6
<b>Hagerstown Suns</b>	<b>Washington Nationals</b>	<b>Hagerstown, MD</b>	<b>Municipal Stadium</b>	<b>City of Hagerstown</b>	<b>Hagerstown Baseball, LLC</b>	<b>1930</b>	<b>4,600</b>	<b>0</b>
Asheville Tourists	Colorado Rockies	Asheville, NC	McCormick Field	City of Asheville	DeWine Seeds Silver Dollar Baseball, LLC	1924	4,000	0

Note: Sorted in descending order by year built.

Sources: MLB, individual teams, secondary research.

- Municipal Stadium is one of the nine facilities in the SAL that is owned by a governmental entity.
- The majority of SAL stadiums are operated by the team.
- Municipal Stadium was built in 1930 and underwent its most recent renovation in 2016. Municipal Stadium is the second oldest stadium in the SAL and one of the oldest stadiums in all of MiLB.
- Six (6) of the 14 SAL teams, including the Hagerstown Suns, play in stadiums built before 2000.
- The newest SAL facility is SRP Park, home of the Augusta GreenJackets. The City of North Augusta completed the GreenJackets new stadium in 2018 with construction costs of \$40 million. While SRP Park's seating capacity (4,728) is similar to that at Municipal Stadium (4,600), it offers significantly more patron and team amenities such as suites and indoor climate-controlled space.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Newer Stadiums

To assist the City and Maryland Stadium Authority with their planning efforts for a proposed new baseball stadium, this section provides detailed information of newer/recently renovated SAL stadiums. In addition to hosting baseball games, these facilities host various non-MiLB events which can provide a significant source of revenue depending on number of events and attendance.

### **SRP Park**

Location: North Augusta, SC

Team: Augusta GreenJackets

Affiliate: San Francisco Giants



Source: MiLB.com

SRP Park is part of Riverside Village, a development which will include a Crowne Plaza hotel, apartments, retail shops, dining, office space and a park. The team makes lease payments of approximately \$500,000 annually and is responsible for the park's maintenance and repairs. There are 1,100 parking spaces throughout multiple lots adjacent to SRP Park. The parking charge is currently \$5 per car.

The stadium was designed to be a “365 entertainment destination” with programmable spaces throughout to accommodate the year-round entertainment. The spaces include multiple climate-controlled spaces such as the 4,000 square-foot WOW! Club and the 750 square-foot 3<sup>rd</sup> Base Club. The Main Concourse is an outdoor space which can accommodate over 6,000 guests for large events such as festivals, trade shows, vendor fairs and more. In addition, multiple restaurants are located throughout the stadium. Concessions are controlled by the team.

Non-MiLB event activity was not available for SRP Park as the stadium had not undergone a full year of operations when market research for this study was completed.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Newer Stadiums

### Segra Park

Location: Columbia, SC

Team: Columbia Fireflies

Affiliate: New York Mets



Source: MiLB.com

Segra Park, formally known as Spirit Communications Park, is on the grounds of a closed state hospital. A private developer, who donated the land for the ballpark, has a 20-year development strategy for the land that includes space for office, residential, retail, and parks. Naming rights are split 50/50 between the team and the City, with the City's portion allocated to capital improvements. Additionally, \$1 per event attendee over 275,000 annually is paid into a capital expense fund.

The team has limited parking immediately adjacent to the ballpark. Through an agreement with the State, the team has access to 1,500 spaces on event days. The team manages the parking operations on event days, charging \$4 per car. Parking is a combination of paved and field space. The team runs three shuttles during events at an annual cost of \$60,000. Food and beverage operations are managed in-house with five full-time employees dedicated to food and beverage, including an executive chef.

In addition to the field, the ballpark has multiple rental spaces including an outdoor porch, pavilion, balcony, the field, open-air concourse suites, climate-controlled suites, conference room and a 7,000-square foot club lounge. Besides baseball, the field was specifically designed to host football, soccer and concert events with an emphasis on space allocation for field sizes, power and Wi-Fi to support point-of-sales systems for food and beverages, and truck access to the field. The stadium hosts approximately 136 non-MiLB events that draw attendance of 51,300 annually.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Newer Stadiums

### Fluor Field at the West End

Location: Greenville, SC

Team: Greenville Drive

Affiliate: Boston Red Sox



Source: MiLB.com

The construction cost of Fluor Field was funded by the team. The City of Greenville provided the land at no cost and the team has a 99-year lease for \$1. In 2016, there were \$15 million in upgrades with the team funding \$12.5 million and the City contributing \$2.5 million. The design of Fluor Field was intended to recreate the best elements of three MLB stadiums – Camden Yards, Fenway Park, and Wrigley Field. The ballpark does not have parking, though the team leases a 350-space lot nearby for premium seat clients. There are over 3,500 County-owned spaces nearby that are reserved on game nights at no charge for Fluor Field guests. There are free trolleys available from the parking lots to the ballpark.

The 6-acre site for the ballpark is very condensed as it is in an urban area. The immediate area also has mixed-use developments with residential, retail (including a year-round team store), restaurants, and office space. The ballpark has been a positive factor in the development of the surrounding area, according to team officials.

Concessions and catering are handled in-house by the team which, according to team officials, allows for better product and pricing control. The team prides itself on being one of the most affordable MiLB options for families. In 2017, the team created West End Events at Fluor Field to accommodate non-team events. West End Events has six full-time staff including a full-time chef.

The 2016 upgrades included an expansion of the second level of the grandstand, additional seating on top of the Green Monster seating area, the conversion of team offices to a season ticket holder space, and a renovation of the team store and the front entrance. Two hospitality areas key to non-baseball activity were added as part of the upgrades, including the 4,000 square-foot Champions Club and the 100-person capacity Front Porch. Additional areas in the ballpark for rental include the field, suites, Rooftop @ Fluor Field, Clubhouse, 500 Club and concourse. Fluor Field hosts 35 college and high school baseball games including an annual Clemson – University of South Carolina rivalry game. The stadium hosts approximately 230 non-MiLB events that generate 275,000 in annual attendance.



# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Newer Stadiums

### **First National Bank Field**

Location: Greensboro, NC

Team: Greensboro Grasshoppers

Affiliate: Pittsburgh Pirates



Source: BallparkReviews.com

First National Bank Field was initially developed by the Bryan Foundation with the team paying lease payments to the foundation. In 2012, the team purchased the ballpark from the foundation.

The ballpark was partially created as a catalyst for development in a slowly developing area of urban Greensboro. Since the construction of First National Bank Field there has been \$200 million of development in the immediate area around the ballpark including a mixed-use project apartments, hotel, parking deck, office space and retail.

The ballpark does not have indoor, climate-controlled space which diminishes the rental opportunities and relegates the seasonality for rentals to non-winter months. Based on this, as well as its location in an urban area with multiple event and meeting space venues, team officials indicate that they host non-Grasshoppers events but do not have community pressure to add more.

The ballpark has approximately 225 parking spaces that they utilize for premium, employee, and owner parking. As they are located in an urban area, there are approximately 2,000 privately-owned spaces within a ¼ mile of the ballpark. Food and beverage operations were originally outsourced to third-party providers but in 2018 the team took all operations in-house.

First National Bank Field has multiple rental areas including the field, picnic areas, lawn seating, play park, party decks and suites. The stadium hosts approximately 50 non-MiLB events and attendance of 25,000 annually.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Newer Stadiums

### Appalachian Power Park

Location: Charleston, WV

Team: West Virginia Power

Affiliate: Seattle Mariners



Source: MiLB.com

To replace the aging Watt Powell Park, Appalachian Power Park was constructed using state and local funds. The majority of the funding came from the Economic Development Grant Committee while other funding was received from bonds and the sale of Watt Powell Park. The West Virginia Power set a West Virginia Professional Baseball attendance record in the first season played at Appalachian Park.

The stadium currently includes the Blue Light Party Deck, Patio Party, Party Plank and suites. In addition, the Legends Club is an all-purpose climate-controlled event room with a capacity of 50 people that is able to be rented for MiLB and non-MiLB events. The stadium annually hosts various non-MiLB events including the World Championship Chili Cook-Off , American Cornhole Championship, holiday events, concerts and several parties and private events.

# MINOR LEAGUE BASEBALL ANALYSIS

## South Atlantic League – Recently Renovated Stadium

### Joseph P. Riley, Jr. Park

Location: Charleston, SC

Team: Charleston RiverDogs

Affiliate: New York Yankees



Source: Charleston-SC.gov

Joseph P. Riley, Jr Park, also known as The Joe, was fully funded by the City of Charleston. The team has day-to-day operational and maintenance responsibility while the City funds major capital improvements. The ballpark is shared with The Citadel College baseball program, a NCAA Division I program. The Citadel play 30-home games at The Joe.

The Joe is located on the Ashley River in an urban area that is seeing rapid development in conjunction with a nearby medical university and with development of residential units and retail. However, The Joe is bound by marshland on one side and the Ashley River on another which confines the ballpark footprint.

In 2017, a \$3 million renovation created The Riley Park Club, a 6,000 square-foot event space with a full commercial kitchen. The space accommodates 150 during baseball games but also is available for a wide variety of meetings, weddings, receptions and other non-baseball events. The Riley Park Club, with views of both the field and of the Ashley River marsh, is managed by a third-party management and catering company. The Charleston RiverDogs have access to 150 parking spaces adjacent to the ballpark but manage 1,200 nearby spaces and charge \$5 per car on game days. Concession operations are managed in-house.

The ballpark has multiple areas for rental including the field, suites, The Riley Park Club, Mezzanine and a Deck area. The stadium hosts approximately 20 non-MiLB events and 32,500 in attendance annually.

# MINOR LEAGUE BASEBALL ANALYSIS

## Class A – Newer Stadiums

While the previous pages profiled select newer and recently renovated SAL stadiums, the table below provides a summary of attributes at Class A stadiums built in 2005 or after, excluding those in the SAL.

Comparison of Attributes for Newer Class A Stadiums							
Team	City	Stadium Name	Stadium Owner	Stadium Operator	Year Built	Seating Capacity	Suites
Fayetteville Woodpeckers	Fayetteville, NC	Segra Stadium	City of Fayetteville	Houston Astros, LLC	2019	4,800	6
Winston-Salem Dash	Winston-Salem, NC	BB&T Ballpark	City of Winston-Salem	Winston-Salem Dash, LLC	2010	5,500	16
Charlotte Stone Crabs	Port Charlotte, FL	Charlotte Sports Park	Charlotte County	Charlotte County	2009	7,670	5
Bowling Green Hot Rods	Bowling Green, KY	Bowling Green Ballpark	City of Bowling Green	Triple Play, LLC	2009	4,559	10
Fort Wayne TinCaps	Fort Wayne, IN	Parkview Field	City of Fort Wayne	Hardball Capital, LLC	2009	8,100	16
Great Lakes Loons	Midland, MI	Dow Diamond	Michigan Baseball Foundation	Michigan Baseball Foundation	2007	5,200	12
Stockton Ports	Stockton, CA	Banner Island Ballpark	City of Stockton	SMG	2005	5,200	4

Note: Sorted in descending order by year built.

Sources: MLB, individual teams, secondary research.

- The average seating capacity of the profiled Class A stadiums was approximately 6,000.
- The number of suites ranges from four (4) to 16.
- Six (6) of the stadiums are owned by a governmental entity. The remaining stadium (Dow Diamond) is owned by a non-profit.
- Profiled Class A stadiums utilize various operating structures including non-profit, team, private management companies and governmental entities.

# MINOR LEAGUE BASEBALL ANALYSIS

## Key Observations from Management at Peer Facilities

Based on feedback from team/facility management at peer facilities, the following were identified as common success factors that enhance opportunities for maximizing baseball operations and non-MiLB activity:

- Climate-controlled, indoor event space that is flexible with a modern/high-finish as well as high-quality outdoor space is offered and viewed as a key factor in attracting MiLB attendance as well as non-team event activity.
- Food and beverage operations focus on controlling pricing, product and promotion while diversifying and maximizing revenue opportunities.
- Integration of the ballpark into community planning efforts by government officials and developers.
- A full-time, dedicated staff of experienced professionals manage and market the ballpark and understand the unique needs of the event industry.
- The addition of staff dedicated to non-team event activity as warranted.
- Accessible and convenient parking is available for all events.
- Field layout is designed to accommodate various event types with supporting infrastructure.
- Team operation of the facility (which is a common operating model in MiLB).
- Strong partnership with the facility owner with the ballpark viewed as a community asset.
- Long-term, strategic approach to capital improvements and maintenance.
- Dedicated funds are allocated for regular repairs and maintenance as well as long-term capital improvements.

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When assessing programming opportunities for the proposed new stadium, it is important to understand the strengths and challenges of MiLB as well as market attributes. The following factors can influence the success of both team and stadium operations:

- Quality of stadium as a baseball venue
- Facility program
- Atmosphere and maintenance of the stadium
- Facility location
- Access and parking
- Lease terms
- Effectiveness of team/stadium ownership and management
- Marketing and promotion initiatives
- Presence of a marquee baseball player
- Primary market attributes
- Costs for fans
- Supply of local alternative sports/entertainment/meeting facilities
- Corporate business base
- Civic pride

# MARKET ASSESSMENT

## Situational Assessment

Based on the market research conducted for this study including analysis of local market conditions, supply of local facilities and input from key stakeholders, the following were identified as strengths/opportunities and challenges associated with the proposed new ballpark:

Strengths/Opportunities	Challenges
<ul style="list-style-type: none"><li>• Stability of MiLB</li><li>• Growing population base</li><li>• Potential downtown location</li><li>• Increased marketability of new stadium</li><li>• Long-standing asset in the community</li><li>• Popularity of baseball among local stakeholders</li><li>• Support from the local corporate base</li></ul>	<ul style="list-style-type: none"><li>• Potential lack of support from the community for a new stadium</li><li>• Relatively low median household income</li><li>• Ownership's ability to influence enough change to justify the purchase and target return on investment</li><li>• Supply of area facilities may impact ability to attract certain non-MiLB events</li><li>• Potential competition for discretionary dollars from the proposed new indoor sports complex</li><li>• Potential changes in general macro-economic conditions</li></ul>



One of the primary goals of this study is to identify potential non-MiLB event activity that could be accommodated at the proposed new MiLB ballpark in Hagerstown. It is important to recognize that ownership commonly influences the number and types of events hosted. Thus, it is critical that ownership be heavily involved in the community and marketing of the stadium. The typical structure of users at a multi-use outdoor stadium include the following:

- ▶ *Tenant Users* represent a solid base for the facility and are generally sports teams at the collegiate or professional level. It is assumed that the Hagerstown Suns will be the tenant at the proposed new ballpark.
  - It is estimated the Hagerstown Suns will play 62 dates at the proposed new ballpark which is consistent with the number of openings during the last five years. Although the season has 70 home games, it is assumed that eight rainouts will be made up as doubleheaders resulting in 62 dates.
- ▶ *Rotational Users* are shows or events that return to the facility on a regular basis and may have a long-term contract to do so. Examples include festivals, consumer shows, social events, etc.
  - Based on interviews with area stakeholders, it is estimated that the proposed new ballpark may host festivals similar to the pre-existing Blues Fest, and several other events such as social events, consumer shows and colligate/high school sporting events, which are classified as “Other Events” below.
- ▶ *Special/One-Time Users* are irregular in nature such as one-time sports events and tournaments, concerts, etc. The number of these events will vary from year to year and, as such, are not estimated.

# MARKET ASSESSMENT

## General Assumptions

The table below summarizes the estimated number of events and attendance at the proposed new ballpark:

Potential Event Activity at a New Ballpark			
Event Type	Number of Events	Average Attendance	Total Attendance
MiLB Suns	62	2,700	167,400
Other Events	45	600	27,000
<b>Total</b>	<b>107</b>		<b>194,400</b>

Note: Although there are 70 home games, eight rainouts are assumed to be made up as part of doubleheaders resulting in 62 dates.

The above estimates are preliminary and should continue to be refined as decisions related to team ownership, stadium operator, stadium site, stadium building program, and other operating characteristics evolve.

The following summarizes general assumptions used to develop estimates of event activity and attendance levels for the proposed new ballpark in downtown Hagerstown.

- The proposed new ballpark will be operated by qualified and experienced management that will partner with tourism agencies and sports commissions at the local and State levels to aggressively market the proposed ballpark.
- A high level of customer services will be provided.
- No other similar, competitive stadiums or event venues, beyond the existing supply, are built in the immediate area.
- Estimate reflects a stabilized year of operation.
- No major economic fluctuations or acts of nature occur that could adversely impact the dynamics of the project.

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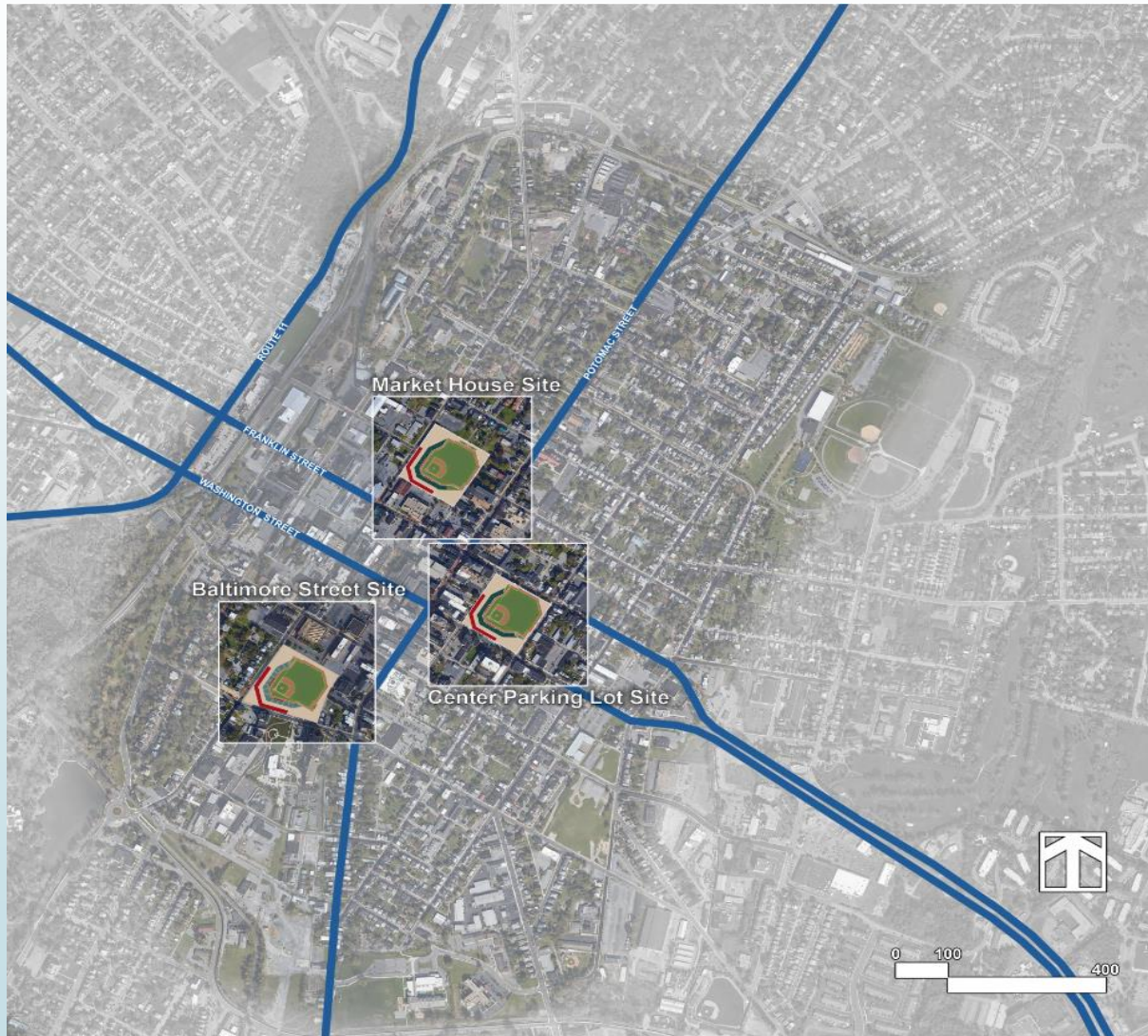
Populous reviewed a proposed development program provided by the City of Hagerstown and analyzed three potential site locations, which were identified and agreed upon by the City. The proposed program consisted of a seating capacity of 5,000, eight to ten suites and a total site size of 5.50 acres. The site assessment evaluated capacities of each site in relation to the proposed development plan and delineated urban design opportunities to assist the City in understanding the strengths and challenges associated with each site.

The profiled sites are described as follows:

- ▶ Baltimore Street Site
- ▶ Market House Site
- ▶ Center Parking Lot Site

# SITE ASSESSMENT

## Composite Context Plan



# SITE ASSESSMENT - BALTIMORE STREET SITE

## Physical Site Factors



The site is adequately sized (6.25 Ac +/-) to fit a Class A Ballpark (5.50 Ac +/-) but future ballpark expansion (if desired) will be difficult.

Accommodations may be required to replace lost surface parking associated with the Baltimore Street. The site is not large enough to accommodate both a Ballpark and new parking structure should displaced parking require relocation on-site.

With the high point of the site occurring the intersection of Baltimore Street and Jonathan Street, the existing topography should be conducive to a slab-on-grade bowl construction, which is typically desirable from a construction cost standpoint.

There appears to be adequate utility infrastructure within the perimeter Right of Way's (ROW's) to accommodate the Ballpark's needs. However, the Ballpark footprint will likely conflict with an existing brick storm sewer line running north/south through the site.

The site was previously home to a railroad facility, for which Phase 1 and 2 Environmental Study are complete.

# SITE ASSESSMENT - BALTIMORE STREET SITE

## Property Assembly/Urban Design



### Property Assembly:

Six privately owned properties would need to be procured to accommodate the Ballpark footprint, having an assessed value of \$5M - \$6M.

The site is currently zoned City Center Mixed Use.

### Urban Design Considerations:

The Ballpark footprint will likely disrupt existing improvements to the Arts Trail. An opportunity may exist to integrate the trail into the new Ballpark footprint.

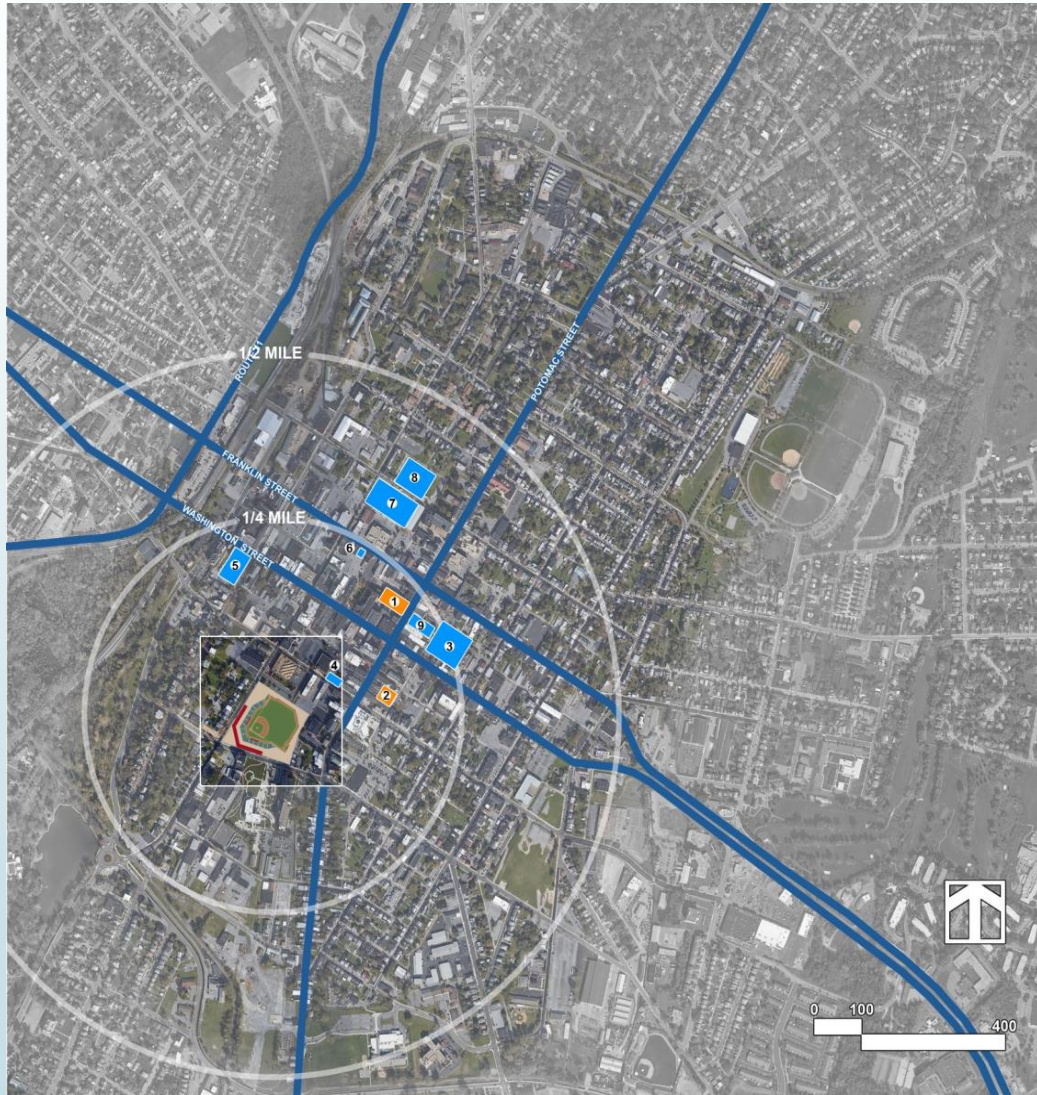
Location of the Ballpark specifically related to the majority of the existing public parking inventory would encourage significant foot traffic through the Downtown Retail Core on event days.

The direct adjacency of the residential neighborhood west of Summit Street may not be ideal but is likely manageable.

The site occurs outside the Historic District and within the New Development Initiatives Zone per the 2014 City Center Plan.

# SITE ASSESSMENT - BALTIMORE STREET SITE

## Existing City-Owned Parking



1. University District Parking Deck:  
444 Spaces
2. Arts & Entertainment District Parking Deck:  
185 Spaces
3. Central Lot:  
245 Spaces
4. Antietam Street Lot:  
24 Spaces
5. Rochester Lot:  
97 Spaces
6. Bryan Centre Lot:  
6 Spaces
7. Market House Lot:  
144 Spaces
8. Church Street Parking Lot:  
112 Spaces
9. Elizabeth Hager Center Lot:  
50 Spaces

### TOTAL DOWNTOWN CITY-OWNED PARKING INVENTORY:

**1,307 Spaces**

Note: City-owned parking inventory outlined above includes surface lots (blue on map) and garages (orange on map) only. On-street parking is not included.



# SITE ASSESSMENT - BALTIMORE STREET SITE

## Vehicular Access/Ballpark Parking Proximity

Total City-Owned Parking Spaces Within a 1/4 Mile Radius of Site:

**1,051 Spaces**

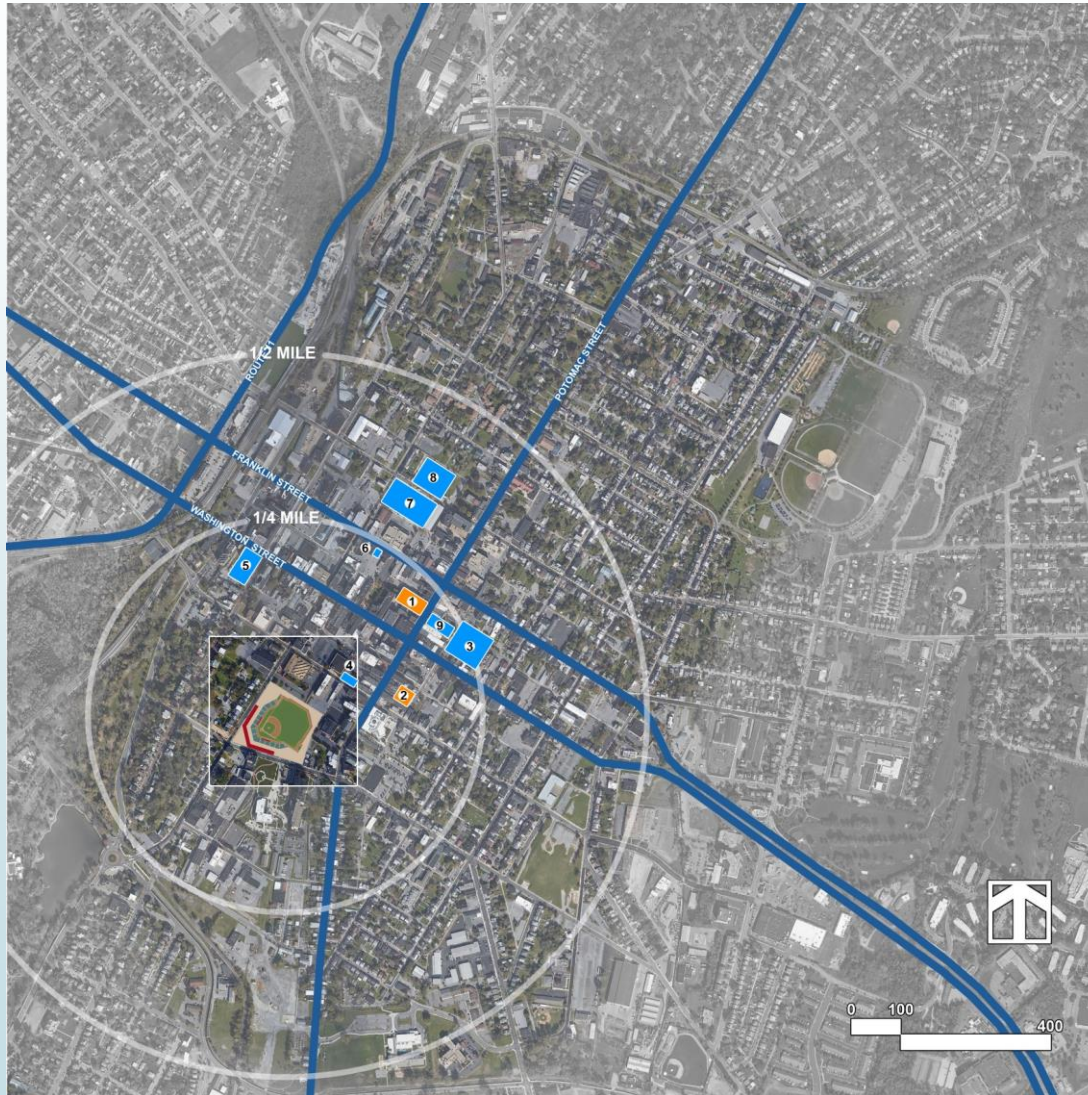
Total City-Owned Parking Spaces Within a 1/2 Mile Radius of Site:

**1,307 Spaces**

The site's proximity to the Potomac, Franklin and Washington Street corridors offer adequate local and regional vehicular access to the site.

For a sports facility of this type, it is typically desirable to achieve a 3:1 patron to parking space ratio within a 1/2 mile radius of the site, with the majority of those spaces occurring within a 1/4 mile radius of the site. Assuming a 5,000-seat capacity Ballpark, this site is approximately 360 spaces short of the publicly owned parking quantity typically desirable for a facility of this type.

It is possible that this deficiency can be made up with private parking lots and public on-street parking.



# SITE ASSESSMENT - MARKET HOUSE SITE

## Physical Site Factors

The site is adequately sized (6.00 Ac +/-) to fit a Class A Ballpark (5.50 Ac +/-) but future expansion (if desired) will be difficult.

The site's topography is characterized by a high point at the northeast corner of the site, which will likely require the outfield wall to retain existing grade at centerfield.

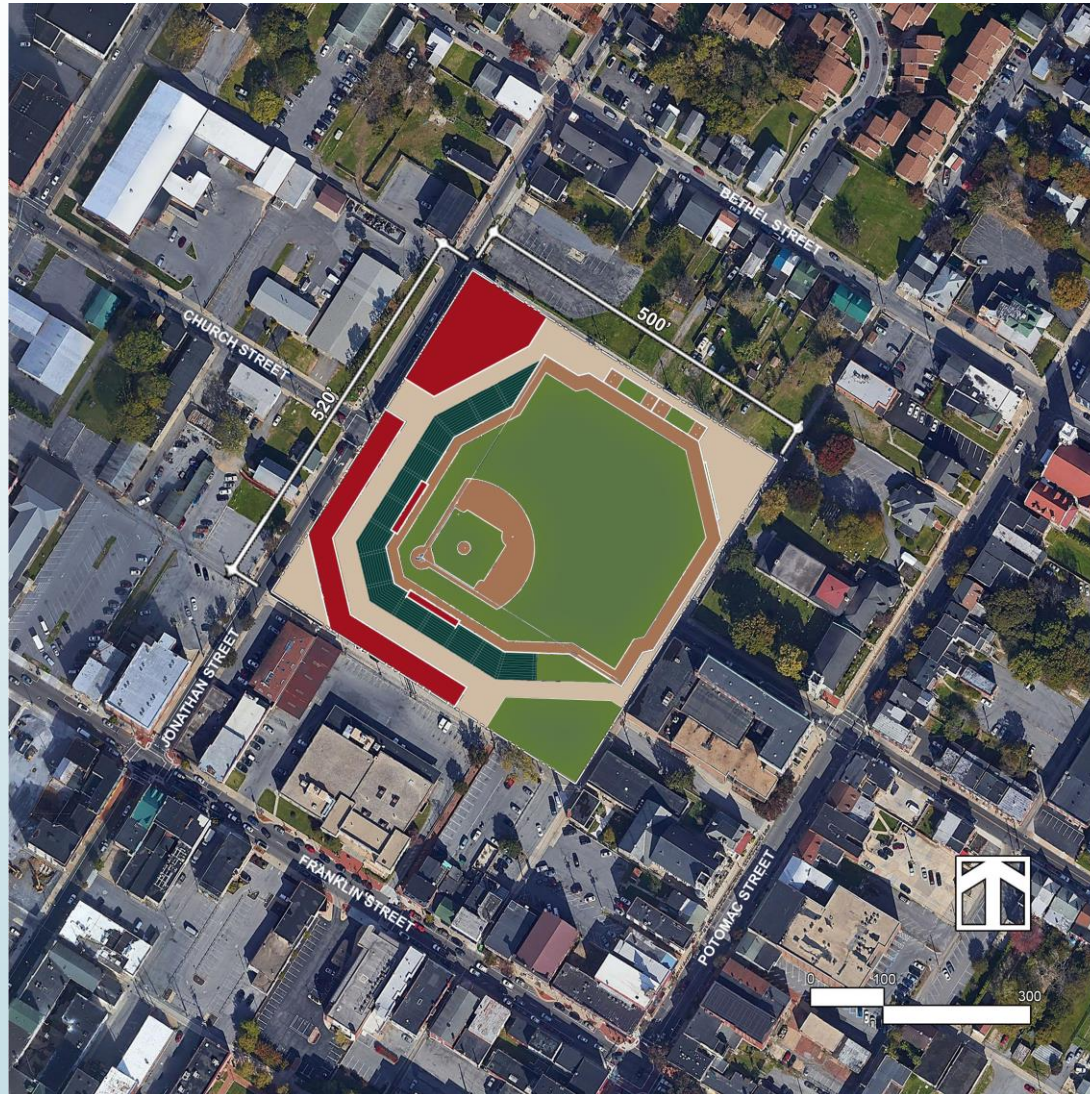
There appears to be adequate utility infrastructure within the perimeter ROW's to accommodate the Ballpark. However, the Ballpark footprint will likely conflict with a number of utilities currently found on Church Street between Jonathan Street and Potomac Street. These include sanitary and storm sewers as well as domestic water.

It is unknown at this time if the site has environmental issues that will require significant remediation.



# SITE ASSESSMENT - MARKET HOUSE SITE

## Property Assembly/Urban Design



### Property Assembly:

12 privately owned properties would need to be procured to accommodate the Ballpark footprint, having an assessed value of just over \$1M. The properties along the eastern side of Jonathan Street at the northwest corner of the Ballpark Site are of minimal value and may be in need of removal.

### Urban Design Considerations:

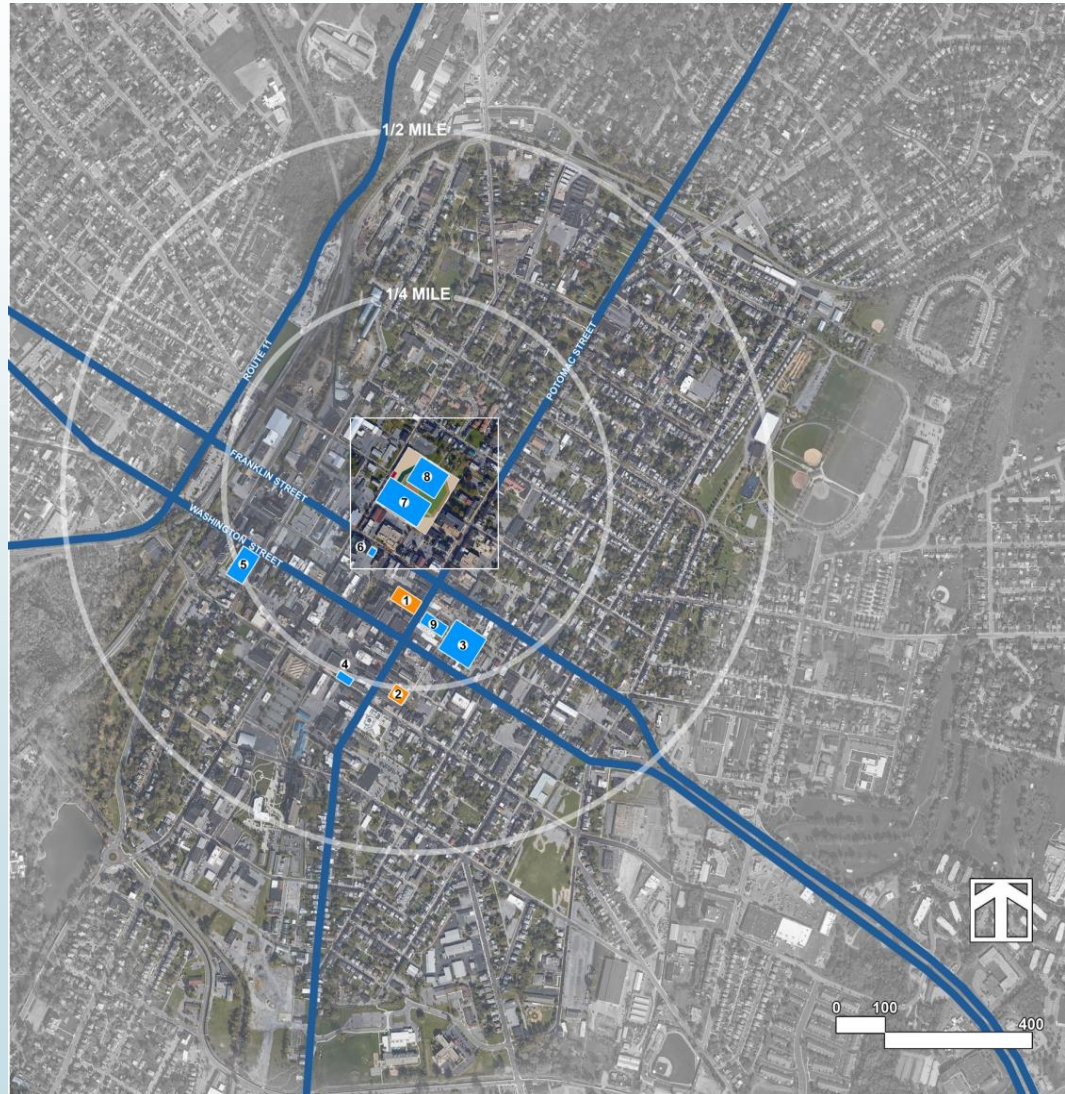
The Ballpark footprint will likely displace the City Market Building, although detailed Ballpark design may yield a solution in which it is retained/integrated into the Ballpark. Proximity to the Post Office, Harmon Hotel and Downtown Retail Core may offer adaptive reuse/redevelopment opportunities associated with the Ballpark.

The Ballpark site's proximity to the majority of the existing remaining public parking inventory would encourage significant foot traffic through the Downtown Retail Core. The southern half of the Ballpark footprint will occur in the Historic District.

The site is just outside the Arts & Entertainment District based on the 2014 City Center Plan.

# SITE ASSESSMENT - MARKET HOUSE SITE

## Existing City-Owned Parking



1. University District Parking Deck:  
444 Spaces
2. Arts & Entertainment District Parking Deck:  
185 Spaces
3. Central Lot:  
245 Spaces
4. Antietam Street Lot:  
24 Spaces
5. Rochester Lot:  
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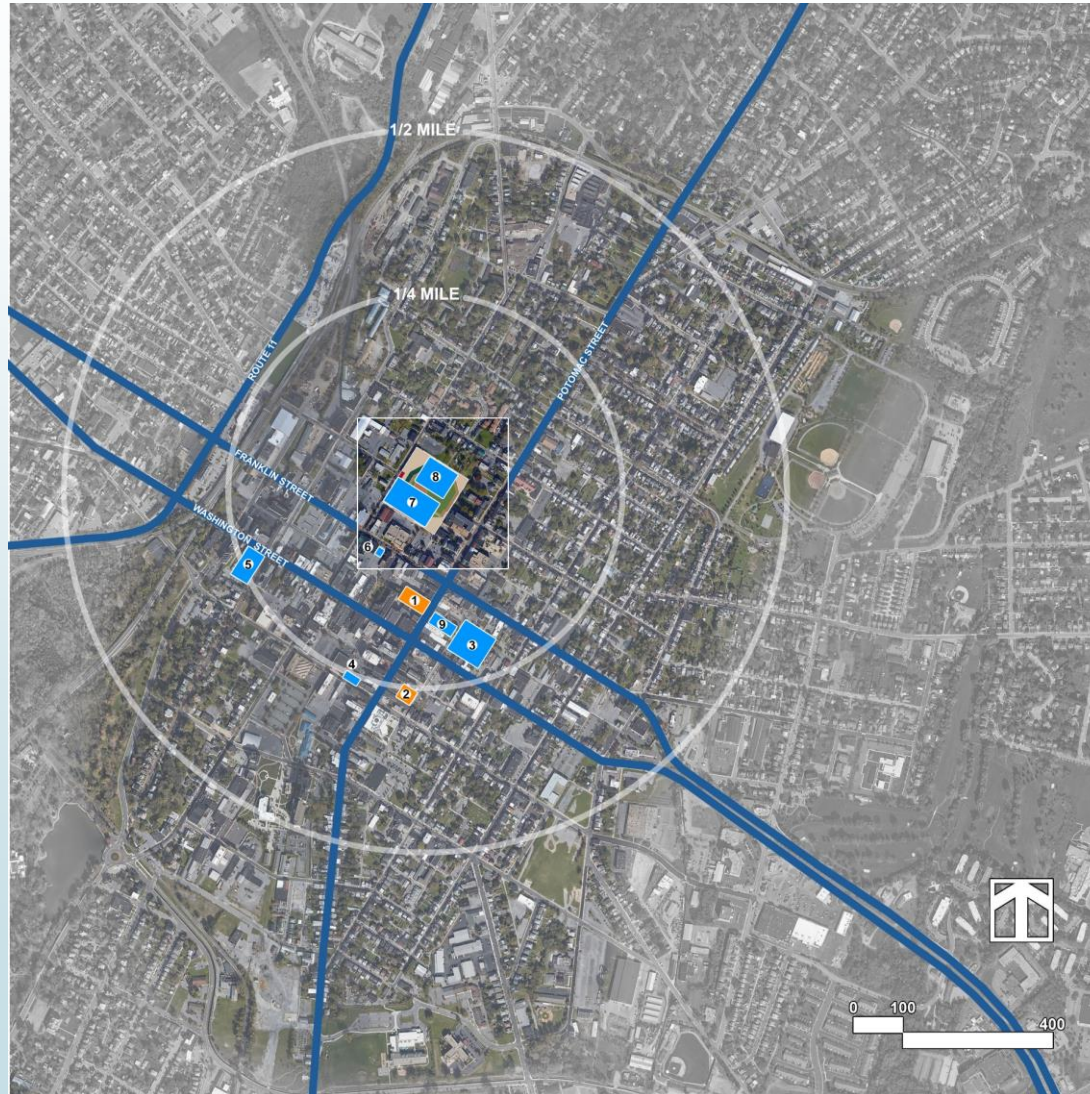
### TOTAL DOWNTOWN CITY-OWNED PARKING INVENTORY:

**1,307 Spaces**

Note: City-owned parking inventory outlined above includes surface lots and garages only. On-street parking is not included.

# SITE ASSESSMENT - MARKET HOUSE SITE

## Vehicular Access/Ballpark Parking Proximity



Total City-Owned Parking Spaces Within a 1/4 Mile Radius of Site After Displacement of Market House Parking Lot and Church Street Parking Lot:

**1,051 Spaces**

Total City-Owned Parking Spaces Within a 1/2 Mile Radius of Site After Displacement of Market House Parking Lot and Church Street Parking Lot:

**1,051 Spaces**

The site's proximity to the Potomac, Franklin and Washington Street corridors offer adequate local and regional vehicular access to the site.

For a sports facility of this type, it is typically desirable to achieve a 3:1 patron to parking space ratio within a 1/2 mile radius of the site, with the majority of those spaces occurring within a 1/4 mile radius of the site. Assuming a 5,000-seat capacity Ballpark, this site is approximately 615 spaces short of the publicly owned parking quantity typically desirable for a facility of this type.

It is possible that this deficiency can be made up with private parking lots and public on-street parking.

# SITE ASSESSMENT - CENTRAL PARKING LOT SITE

## Physical Site Factors

The site is adequately sized (5.50 Ac +/-) to fit a Class A Ballpark (5.50 Ac +/-) but future expansion (if desired) will be difficult.

The site's topography is characterized by a high point at the northeast corner of the site, which will likely require the outfield wall to retain existing grade at centerfield.

There appears to be adequate utility infrastructure within the perimeter ROW's to accommodate the Ballpark's needs. However, the Ballpark footprint will likely conflict with a significant existing underground storm water network (Town Run) which will likely result in substantial cost.

It is unknown at this time if the site has environmental issues that will require significant environmental remediation.



# SITE ASSESSMENT - CENTRAL PARKING LOT SITE

## Property Assembly/Urban Design

### Property Assembly:

27 privately owned properties would need to be procured to accommodate the Ballpark footprint, having an assessed value of \$5M - \$6M.

### Urban Design Considerations:

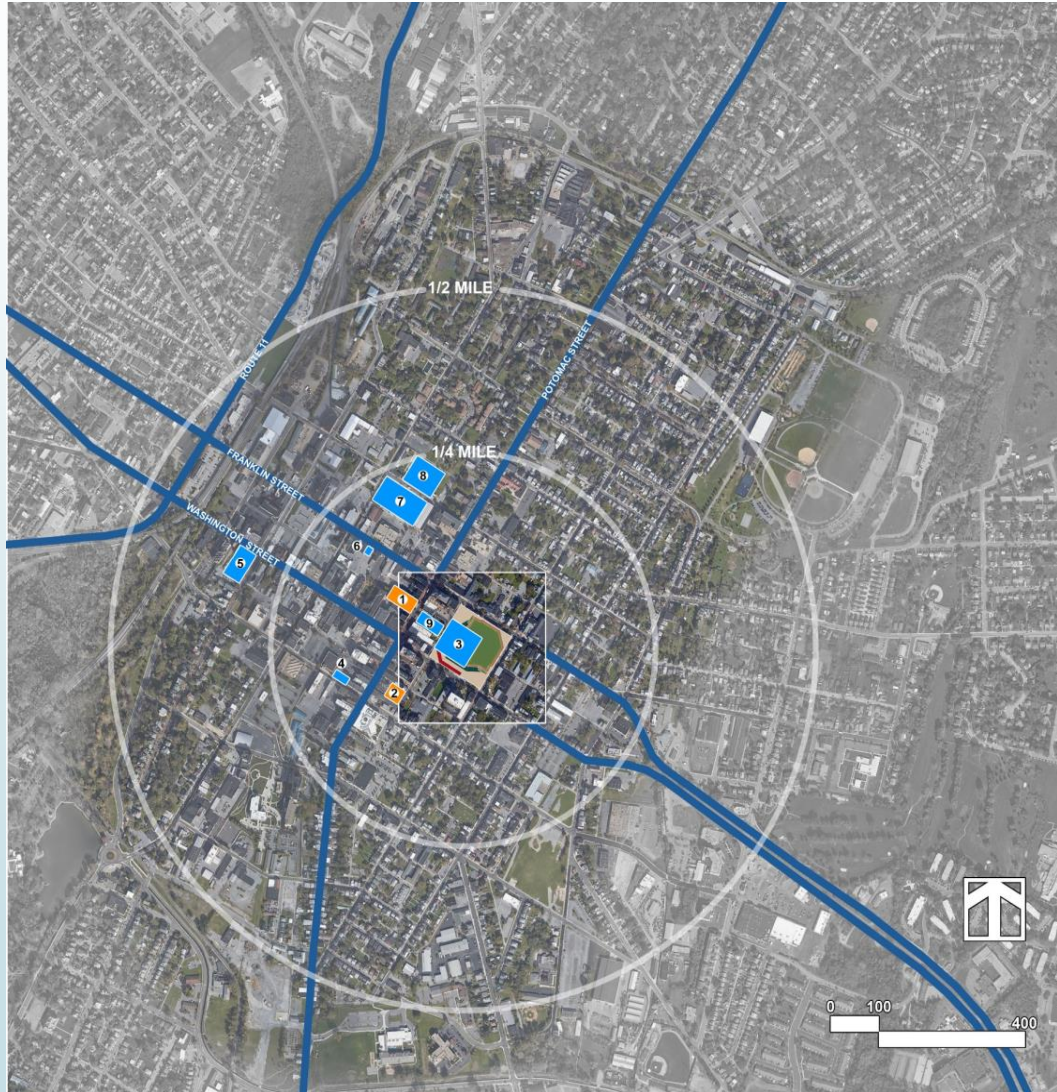
The site occurs in the heart of Downtown Hagerstown, between Franklin and Washington Streets and just east of Potomac Street. The site offers high visibility for the Ballpark and could act as a significant catalyst for both new and existing Downtown development. Ideally in this location the Ballpark footprint would be conceived with ground floor retail at its perimeter, but the size of the site will limit this opportunity. Displacement of a prime downtown parking facility may be problematic. Additionally, Ballparks of this size are often perceived as “Super Block” developments and may not be as compatible with the finer grained urban texture in this part of Downtown.

The site occurs in the heart of the Arts & Entertainment District per the 2014 City Center Plan.



# SITE ASSESSMENT – CENTRAL PARKING LOT SITE

## Existing City-Owned Parking



1. University District Parking Deck:  
444 Spaces
2. Arts & Entertainment District Parking Deck:  
185 Spaces
3. Central Lot:  
245 Spaces
4. Antietam Street Lot:  
24 Spaces
5. Rochester Lot:  
97 Spaces
6. Bryan Centre Lot:  
6 Spaces
7. Market House Lot:  
144 Spaces
8. Church Street Parking Lot:  
112 Spaces
9. Elizabeth Hager Center Lot:  
50 Spaces

### TOTAL DOWNTOWN CITY-OWNED PARKING INVENTORY:

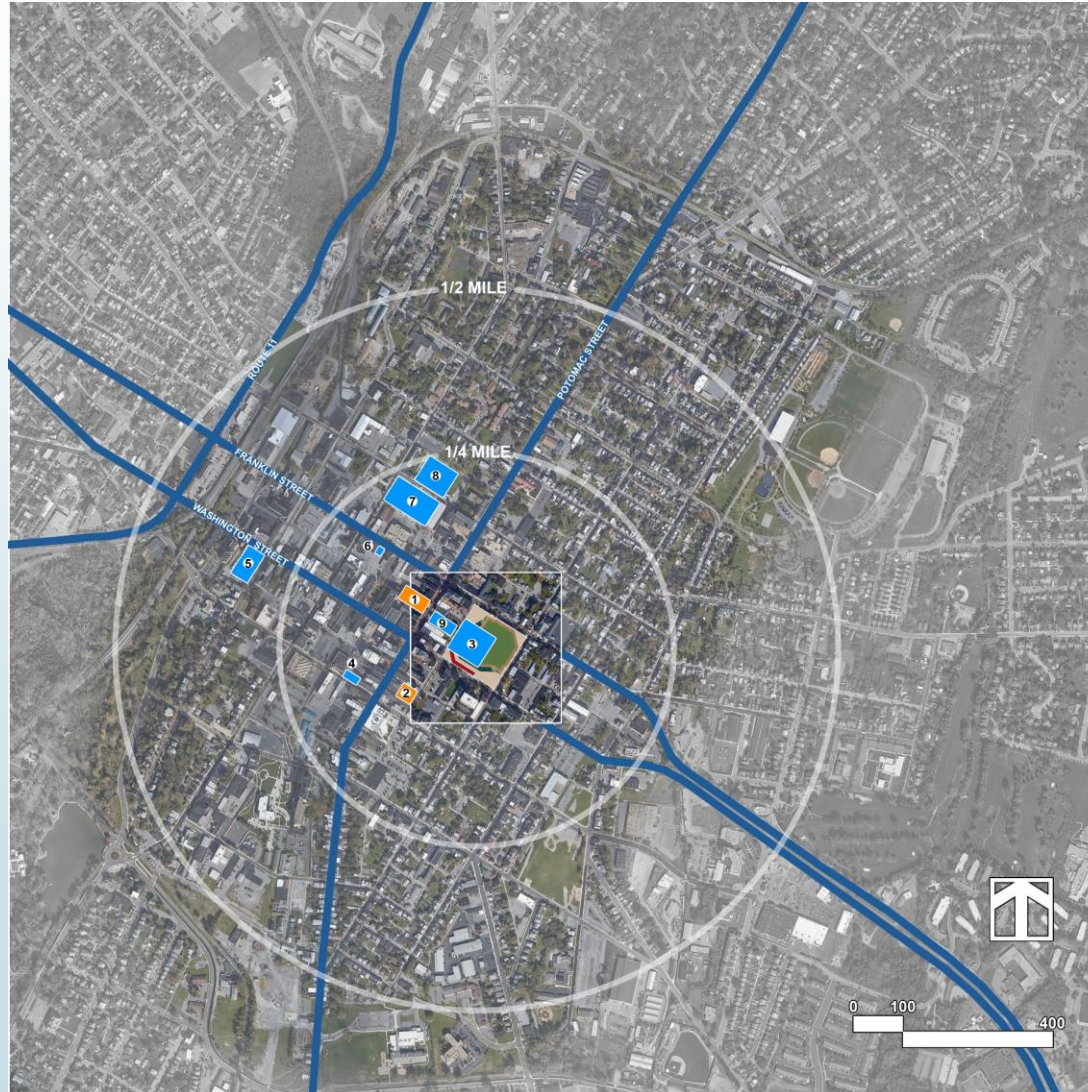
**1,307 Spaces**

Note: City-owned parking inventory outlined above includes surface lots and garages only. on-street parking not included.



# SITE ASSESSMENT – CENTRAL PARKING LOT SITE

## Vehicular Access/Ballpark Parking Proximity



Total City-Owned Parking Spaces Within a 1/4 Mile Radius of Site after displacement of the Central parking lot:

**965 Spaces**

Total City-Owned Parking Spaces Within a 1/2 Mile Radius of Site after displacement of the Central parking lot:

**1,062 Spaces**

### **Vehicular Access & Parking:**

The site's proximity to the Potomac, Franklin and Washington Street corridors offer adequate local and regional vehicular access to the site.

For a sports facility of this type, it is typically desirable to achieve a 3:1 patron to parking space ratio within a 1/2 mile radius of the site, with the majority of those spaces occurring within a 1/4 mile radius of the site. Assuming a 5,000-seat capacity Ballpark, this site is approximately 605 spaces short of the publicly owned parking quantity typically desirable for a facility of this type.

It is possible that this deficiency can be made up with private parking lots and public on-street parking.

# SITE ASSESSMENT

## Site Evaluation Matrix and Scoring Results

Hagerstown Minor League Site Selection Study		Baltimore Street Site	Market House Site	Central Parking Lot Site
CATEGORY	CRITERIA			
Physical Site Factors	Site Size and Configuration	4	3	3
	Ability of Site to Accommodate Future Expansion/Development	2	1	1
	Topography	4	3	3
	Adequacy/Proximity of Existing Utility Infrastructure	4	4	4
	Required Relocation of Existing Utility Infrastructure to Accommodate Project	2	2	1
	Environmental Remediation	2	3	3
Site Procurement	Quantity of Properties to Assemble	3	2	1
	Property Value	2	4	2
Vehicular Access & Parking	Vehicular Access to Available Public Parking Inventory	4	4	4
	Proximity to Existing Available Public Parking Inventory - 1/4 Mile or Less	2	2	2
	Proximity to Existing Available Public Parking Inventory - 1/2 Mile or Less	2	1	1
Urban Design Issues	Proximity to Existing Development Districts/Civic Amenities/Places of Value	4	4	4
	Potential Catalyst for New or Existing Development Districts	4	4	4
	Civic Image/Community Presence	4	4	4
	Compatibility With Existing Amenities/Improvements	3	3	3
	Compatibility With Adjacent Land Uses	3	3	3
	Compatibility With Urban Context/Fabric	4	3	2
<b>TOTALS</b>		<b>53</b>	<b>50</b>	<b>45</b>
<b>SCORING</b>	<b>1 Poor, 2 Below Average, 3 Average, 4 Good, 5 Excellent</b>			

### Scoring/Evaluation:

The three sites described herein were evaluated in accordance with the criteria outlined in the adjacent matrix. The Baltimore Street Site achieved the highest score at 53. The Market House Site ranked second with a score of 50 and the Central Parking Lot Site ranked third with a score of 45.

### Physical Site Factors:

Although each site is technically capable of supporting a typical Class A Minor League Ballpark, the Baltimore Street Site offered the most generous area for initial Ballpark construction and potential expansion. The topography of the site is conducive to a bowl-on-grade construction which is typically the most cost-effective construction technique for this type of project. Of the three sites, the Baltimore Street Site appears to present fewer Utility conflicts with the proposed Ballpark footprint than the Market House Site and the Central Parking Lot Site.

### Site Procurement:

Although the value of the privately-owned properties comprising the Baltimore Street Site is significant (\$5M-\$6M), the number of property owners is relatively small compared to the other two sites.

# SITE ASSESSMENT

## Site Evaluation Matrix and Scoring Results (cont'd)

Hagerstown Minor League Site Selection Study		Baltimore Street Site	Market House Site	Central Parking Lot Site
CATEGORY	CRITERIA			
Physical Site Factors	Site Size and Configuration	4	3	3
	Ability of Site to Accommodate Future Expansion/Development	2	1	1
	Topography	4	3	3
	Adequacy/Proximity of Existing Utility Infrastructure	4	4	4
	Required Relocation of Existing Utility Infrastructure to Accommodate Project	2	2	1
	Environmental Remediation	2	3	3
Site Procurement	Quantity of Properties to Assemble	3	2	1
	Property Value	2	4	2
Vehicular Access & Parking	Vehicular Access to Available Public Parking Inventory	4	4	4
	Proximity to Existing Available Public Parking Inventory - 1/4 Mile or Less	2	2	2
	Proximity to Existing Available Public Parking Inventory - 1/2 Mile or Less	2	1	1
Urban Design Issues	Proximity to Existing Development Districts/Civic Amenities/Places of Value	4	4	4
	Potential Catalyst for New or Existing Development Districts	4	4	4
	Civic Image/Community Presence	4	4	4
	Compatibility With Existing Amenities/Improvements	3	3	3
	Compatibility With Adjacent Land Uses	3	3	3
	Compatibility With Urban Context/Fabric	4	3	2
	TOTALS	53	50	45
SCORING	1 Poor, 2 Below Average, 3 Average, 4 Good, 5 Excellent			

### Vehicular Access & Parking:

Because each of the three sites will be generally reliant upon the same publicly-owned parking inventory, there is not an appreciable difference among the three sites with regard to vehicular access. However, due to the fact that the Baltimore Street Site is the only one of the three Sites that does not displace a significant amount of publicly-owned parking, it comes the closest of the three sites to achieving the desired minimum number of parking spaces within a 1/2 mile radius.

### Urban Design Issues:

Although locating the Ballpark on the Baltimore Street Site will likely conflict with recent improvements to the Arts Trail, there may be an opportunity to integrate the Trail into the Ballpark footprint. Additionally, the Baltimore Street Site's location on the edge of the Downtown Core may avoid a "Super Block" condition that may occur were the Ballpark located on either the Market House Site or the Central Parking Lot Site. Locating the Ballpark on the Baltimore Street Site will strongly encourage pedestrians to walk through the heart of Downtown from parking locations on event days.

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**Potential Next Steps**

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Limiting Conditions

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## Potential Next Steps

As with many communities, financial considerations associated with construction, ongoing operations and maintenance often dictate whether a project is deemed viable. Further, site related issues and community attributes external to the proposed new ballpark also play a critical role in the marketability of any venue. Potential next steps in the City's ongoing planning associated with the proposed new ballpark may include the following:

- Securing a long-term agreement with an MiLB team/facility operator.
- Reaching consensus on the site location that best meets the City's stated goals and objectives.
- Acquiring rights to purchase the appropriate land parcels outlined in this analysis that can accommodate the recommended building program and related supporting infrastructure.
- Using this information, report and findings to establish a development strategy that can serve as a basis to refine the building program and produce a cost estimate to develop the project.
- Identifying potential funding strategies and incentives.
- Working with other City agencies and business groups to attract private investment in the surrounding area for future restaurant and retail developments.

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Potential Next Steps

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**Limiting Conditions**

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# Limiting Conditions

This analysis is subject to our contractual terms, as well as the following limiting conditions:

- This analysis has been prepared for Maryland Stadium Authority (Client) on behalf of the City of Hagerstown for its internal decision-making purposes associated with the proposed new MiLB ballpark in Hagerstown, Maryland and should not be used for any other purposes without the prior written consent of Crossroads Consulting Services LLC.
- This report should only be used for its intended purpose by the entities to whom it is addressed. Reproduction or publication by other parties are strictly prohibited.
- The findings and assumptions contained in the report reflect analysis of primary and secondary sources. We have utilized sources that are deemed to be accurate but cannot guarantee their accuracy. No information provided to us by others was audited or verified and was assumed to be correct.
- Although the analysis includes findings and recommendations, all decisions relating to the implementation of such findings and recommendations shall be the Client's responsibility.
- Estimates and analysis regarding the proposed new ballpark, are based on trends and assumptions and, therefore, there will usually be differences between the projected and actual results because events and circumstances frequently do not occur as expected, and those differences may be material.
- This analysis does not constitute an audit, a projection of financial performance, or an opinion of value or appraisal in accordance with generally accepted audit standards. As such, we do not express an opinion or any other form of assurance. Any estimates or ranges of value were prepared to depict current and potential future market conditions.
- Although this analysis utilizes various mathematical calculations, the final estimates are subjective and may be influenced by our experience and other factors not explicitly stated in this report.
- We have no obligation, unless subsequently engaged, to update this report or revise this analysis as presented due to events or circumstances occurring after the date of this report.
- The quality of ownership and management of the proposed new ballpark has a direct impact on its economic performance. This analysis assumes responsible and competent ownership and management. Any departure from this assumption may have a significant impact on the findings in this report.
- Multiple external factors influence current and anticipated market conditions. Although we have not knowingly withheld any pertinent facts, we do not guarantee that we have knowledge of all factors which might influence the operating potential of the proposed new ballpark. Due to quick changes in the external factors, actual results may vary significantly from estimates presented in this report.
- The analysis performed was limited in nature and, as such, Crossroads Consulting Services LLC does not express an opinion or any other form of assurance on the information presented in this report. As with all estimates of this type, we cannot guarantee the results nor is any warranty intended that they can be achieved.
- The analysis is intended to be read and used in its entirety. Separation of any portion from the main body of the report is prohibited and negates the analysis.
- In accordance with the terms of our engagement letter, the accompanying report is restricted to internal use by the Client and may not be relied upon by any party for any purpose including any matter pertaining to financing.

**Attachment D**

**MBE Instructions and Forms**



**MBE ATTACHMENT D-1A:  
MBE UTILIZATION AND FAIR SOLICITATION AFFIDAVIT  
& MBE PARTICIPATION SCHEDULE**

**PART 1 - INSTRUCTIONS**

*PLEASE READ BEFORE COMPLETING THIS DOCUMENT*

**This form includes Instructions and the MBE Utilization and Fair Solicitation Affidavit & MBE Participation Schedule which must be submitted with the bid/proposal. If the bidder/offeror fails to accurately complete and submit this Affidavit and Schedule with the bid or proposal, the Procurement Officer shall deem the bid non-responsive or shall determine that the proposal is not reasonably susceptible of being selected for award.**

1. Contractor shall structure its procedures for the performance of the work required in this Contract to attempt to achieve the minority business enterprise (MBE) subcontractor participation goal stated in the Invitation for Bids or Request for Proposals. Contractor agrees to exercise good faith efforts to carry out the requirements set forth in these Instructions, as authorized by the Code of Maryland Regulations (COMAR) 21.11.03.
2. MBE Goals and Subgoals: Please review the solicitation for information regarding the Contract's MBE overall participation goals and subgoals. After satisfying the requirements for any established subgoals, the Contractor is encouraged to use a diverse group of subcontractors and suppliers from the various MBE classifications to meet the remainder of the overall MBE participation goal.
3. MBE means a minority business enterprise that is certified by the Maryland Department of Transportation ("MDOT"). Only MBEs certified by MDOT may be counted for purposes of achieving the MBE participation goals. In order to be counted for purposes of achieving the MBE participation goals, the MBE firm, including a MBE prime, must be MDOT-certified for the services, materials or supplies that it is committed to perform on the MBE Participation Schedule. A firm whose MBE certification application is pending may not be counted.
4. Please refer to the MDOT MBE Directory at <https://mbe.mdot.maryland.gov/directory/> to determine if a firm is certified with the appropriate North American Industry Classification System ("NAICS") code **and** the product/services description (specific product that a firm is certified to provide or specific areas of work that a firm is certified to perform). For more general information about NAICS codes, please visit <https://www.census.gov/eos/www/naics/>. Only those specific products and/or services for which a firm is certified in the MDOT Directory can be used for purposes of achieving the MBE participation goals. **CAUTION:** If the firm's NAICS code is in graduated status, such services/products may not be counted for purposes of achieving the MBE participation goals. A NAICS code is in the graduated status if the term "Graduated" follows the code in the MDOT MBE Directory.
5. **Guidelines Regarding MBE Prime Self-Performance.** Please note that when a certified MBE firm participates as a prime contractor on a Contract, a procurement agency may count the distinct, clearly defined portion of the work of the Contract that the certified MBE firm performs with its own workforce toward fulfilling up to, but no more than, fifty-percent (50%) of the overall MBE participation goal, including up to one hundred percent (100%) of not more than one of the MBE participation subgoals, if any, established for the Contract.

- ✓ In order to receive credit for self-performance, an MBE prime must be certified in the appropriate NAICS code to do the work and must list its firm in the MBE Participation Schedule, including the certification category under which the MBE prime is self-performing and include information regarding the work it will self-perform.
  - ✓ For the remaining portion of the overall goal and the remaining subgoals, the MBE prime must also identify on the MBE Participation Schedule the other certified MBE subcontractors used to meet those goals or request a waiver.
  - ✓ These guidelines apply to the work performed by the MBE Prime that can be counted for purposes of meeting the MBE participation goals. These requirements do not affect the MBE Prime's ability to self-perform a greater portion of the work in excess of what is counted for purposes of meeting the MBE participation goals.
  - ✓ Please note that the requirements to meet the MBE participation overall goal and subgoals are distinct and separate. If the contract has subgoals, regardless of MBE Prime's ability to self-perform up to 50% of the overall goal (including up to 100% of any subgoal), the MBE Prime must either commit to use other MBEs for each of any remaining subgoals or request a waiver. As set forth in Attachment 1-B Waiver Guidance, the MBE Prime's ability to self-perform certain portions of the work of the Contract will not be deemed a substitute for the good faith efforts to meet any remaining subgoal or the balance of the overall goal.
  - ✓ In certain instances where the percentages allocated to MBE participation subgoals add up to more than 50% of the overall goal, the portion of self-performed work that an MBE Prime may count toward the overall goal may be limited to less than 50%. Please refer to the Governor's Office of Small Minority & Women Business Affairs' website for the MBE Prime Regulations Q&A for illustrative examples.  
[http://www.goMDsmallbiz.maryland.gov/Documents/MBE\\_Toolkit/MBEPrimeRegulation\\_QA.pdf](http://www.goMDsmallbiz.maryland.gov/Documents/MBE_Toolkit/MBEPrimeRegulation_QA.pdf)
6. Subject to items 1 through 5 above, when a certified MBE performs as a participant in a joint venture, a procurement agency may count a portion of the total dollar value of the Contract equal to the distinct, clearly-defined portion of the work of the Contract that the certified MBE performs with its own forces toward fulfilling the Contract goal, and not more than one of the Contract subgoals, if any.
7. The work performed by a certified MBE firm, including an MBE prime, can only be counted towards the MBE participation goal(s) if the MBE firm is performing a commercially useful function on the Contract. Please refer to COMAR 21.11.03.12-1 for more information regarding these requirements.

8. **Materials and Supplies: New Guidelines Regarding MBE Participation.**

- ✓ **Regular Dealers:** Up to 60% of the costs of materials and supplies provided by a certified MBE may be counted towards the MBE participation goal(s) if such MBE is a Regular Dealer of such materials and supplies. Regular Dealer is defined as a firm that owns, operates, or maintains a store, a warehouse, or any other establishment in which the materials, supplies, articles, or equipment are of the general character described by the specifications required under the contract and are bought, kept in stock, or regularly sold or leased to the public in the usual course of business; and does not include a packager, a broker, a manufacturer's representative, or any other person that arranges or expedites transactions. Generally, a Regular Dealer will be identified as a wholesaler or supplier in the MDOT Directory.

*Example for illustrative purposes of applying the 60% rule*

*Overall contract value: \$2,000,000*

*Total value of supplies: \$100,000*

*Calculate Percentage of Supplies to overall contract value:*

*\$100,000 divided by \$2,000,000 = 5%*

***Apply 60% Rule - Total percentage of Supplies/Products 5% x 60% = 3%***

***3%*** would be counted towards achieving the MBE Participation Goal and Subgoal, if any, for the MBE supplier in this example.

- ✓ **Manufacturers:** A certified MBE firm's participation may be counted in full if the MBE is certified in the appropriate NAICS code(s) to provide products and services as a manufacturer.
- ✓ **Brokers:** With respect to materials or supplies purchased from a certified MBE that is neither a manufacturer nor a regular dealer, a unit may apply the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, fees, or transportation charges for the delivery of materials and supplies required on a procurement toward the MBE contract goals, provided a unit determines the fees to be reasonable and not excessive as compared with fees customarily allowed for similar services. A unit may not apply any portion of the costs of the materials and supplies toward MBE goals.
- ✓ **Furnish and Install and other Services:** The participation of a certified MBE supplier, wholesaler, and/or regular dealer certified in the proper NAICS code(s) to furnish and install materials necessary for successful contract completion may be counted in full.

9. **Dually certified firms.** An MBE that is certified in more than one subgroup category may only be counted toward goal fulfillment of ONE of those categories with regard to a particular contract.

***Example: A woman-owned Hispanic American (dually certified) firm may be used to fulfill the women-owned OR Hispanic American subgoal, but not both on the same contract.***

10. CAUTION: The percentage of MBE participation, computed using the percentage amounts determined for all of the MBE firms listed in Part 3, MUST meet or exceed the MBE participation goal and subgoals (if applicable) as set forth in Part 2- for this solicitation. If a bidder/offeror is unable to meet the MBE participation goal or any subgoals (if applicable), then the bidder/offeror must request a waiver in Part 2 or the bid will be deemed not responsive, or the proposal not reasonably susceptible of being selected for award. You may wish to use the attached Goal/Subgoal Worksheet to assist in calculating the

percentages and confirming that your commitment meets or exceeds the applicable MBE participation goal and subgoals (if any).

11. If you have any questions as to whether a firm is certified to perform the specific services or provide specific products, please contact MDOT's Office of Minority Business Enterprise at 1-800-544-6056 or via email to [mbe@mdot.state.md.us](mailto:mbe@mdot.state.md.us) sufficiently prior to the submission due date.

### **Subgoals (if applicable)**

Total African American MBE Participation:	_____	%
Total Asian American MBE Participation:	_____	%
Total Hispanic American MBE Participation:	_____	%
Total Women-Owned MBE Participation:	_____	%

### **Overall Goal**

Total MBE Participation (include all categories):	_____	%
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## **PART 2 - MBE UTILIZATION AND FAIR SOLICITATION AFFIDAVIT**

**This MBE Utilization and Fair Solicitation Affidavit and MBE Participation Schedule must be completed and included with the bid/proposal. If the bidder/offeror fails to accurately complete and submit this Affidavit and the Schedule in Part 3 with the bid or proposal as required, the Procurement Officer shall deem the bid non-responsive or shall determine that the proposal is not reasonably susceptible of being selected for award.**

In connection with the bid/proposal submitted in response to RFP for Architectural/Engineering Services – Hagerstown Multi-Use Sports and Events Facility, I affirm the following:

1. **MBE Participation (PLEASE CHECK ONLY ONE)**

I acknowledge and intend to meet IN FULL both the overall certified Minority Business Enterprise (MBE) participation goal of 10% percent. Therefore, I am not seeking a waiver pursuant to COMAR 21.11.03.11. I acknowledge that by checking the above box and agreeing to meet the stated goal and subgoal(s), if any, I **must** complete Part 3 - MBE Participation Schedule and Part 4 Signature Page in order to be considered for award.

**OR**

I conclude that I am unable to achieve the MBE participation goal and/or subgoals. I hereby request a waiver, in whole or in part, of the overall goal and/or subgoals. I acknowledge that by checking this box and requesting a partial waiver of the stated goal and/or one or more of the stated subgoal(s) if any, I **must** complete Part 3, the MBE Participation Schedule for the portion of the goal and/or subgoal(s) if any, for which I am not seeking a waiver, in order to be considered for award.

### **Additional MBE Documentation**

I understand that if I am notified that I am the apparent awardee or as requested by the Procurement Officer, I must submit the following documentation within 10 working days of receiving notice of the potential award or from the date of conditional award (per COMAR 21.11.03.10), whichever is earlier:

- (a) Good Faith Efforts Documentation to Support Waiver Request (Attachment D-1C)
- (b) Outreach Efforts Compliance Statement (Attachment D-2);
- (c) MBE Subcontractor/MBE Prime Project Participation Statement (Attachments D-3A and 3B);
- (d) Any other documentation, including additional waiver documentation if applicable, required by the Procurement Officer to ascertain bidder or offeror responsibility in connection with the certified MBE participation goal and subgoals, if any.

I understand that if I fail to return each completed document within the required time, the Procurement Officer may determine that I am not responsible and therefore not eligible for contract award. If the contract has already been awarded, the award is voidable.

### **Information Provided to MBE firms**

In the solicitation of subcontract quotations or offers, MBE firms were provided not less than the same information and amount of time to respond as were non-MBE firms.

## PART 3 - MBE PARTICIPATION SCHEDULE

Set forth below are the (i) certified MBEs I intend to use, (ii) the percentage of the total Contract value allocated to each MBE for this project and, (iii) the items of work each MBE will provide under the Contract. I have confirmed with the MDOT database that the MBE firms identified below (including any self-performing MBE prime firms) are performing work activities for which they are MDOT-certified.

Prime Contractor	Project Description	Project/Contract Number
	Architectural/Engineering Services Hagerstown Multi-Use Sports and Events Facility	

LIST INFORMATION FOR EACH CERTIFIED MBE FIRM YOU AGREE TO USE TO ACHIEVE THE MBE PARTICIPATION GOAL AND SUBGOALS, IF ANY. **MBE PRIMES:** PLEASE COMPLETE BOTH SECTIONS A AND B BELOW.

### SECTION A: For MBE Prime Contractors ONLY (including MBE Primes in a Joint Venture)

<p>MBE Prime Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned  <input type="checkbox"/> Hispanic American- Owned  <input type="checkbox"/> Asian American-Owned  <input type="checkbox"/> Women-Owned  <input type="checkbox"/> Other MBE Classification</p> <p>NAICS code: _____</p>	<p>Percentage of total Contract Value to be performed with own forces and counted towards the MBE <b>overall participation goal</b> (up to 50% of the overall goal): _____% <b>Please refer to Item #8 in Part 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</b></p> <p>Percentage of total Contract Value to be performed with own forces and counted towards the <b>subgoal</b>, if any, for my MBE classification (up to 100% of not more than one subgoal): _____%</p> <p><input type="checkbox"/> Supplier, wholesaler and/or regular dealer (count 60%)  <input type="checkbox"/> Manufacturer (count 100%)  <input type="checkbox"/> Broker (count reasonable fee/commission only)  <input type="checkbox"/> Furnish and Install and other Services (count 100%)</p> <p><b>Complete the applicable prompt (select only one) from prompts A-C below that applies to the type of work your firm is self-performing to calculate amount to be counted towards achieving the MBE Participation Goal and Subgoal, if any.</b></p> <p><b>A. Percentage amount of subcontract where the MBE Prime firm is being used for manufacturer, furnish and install, and/or services</b> (excluding products / services from suppliers, wholesalers, regular dealers and brokers) _____%</p> <p><b>B. Percentage amount for items of work where the MBE Prime firm is being used as supplier, wholesaler, and/or regular dealer (60% Rule).</b>  Total percentage of Supplies/Products _____% x 60% = _____%</p> <p><b>C. Percentage amount of fee where the MBE Prime firm is being used as broker</b> (count reasonable fee/commission only) _____%</p> <p>Description of the Work to be performed with MBE prime's own forces:  _____  _____</p>
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**SECTION B: For all Contractors (including MBE Primes and MBE Primes in a Joint Venture)**

<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned</p> <p><input type="checkbox"/> Hispanic American- Owned</p> <p><input type="checkbox"/> Asian American-Owned</p> <p><input type="checkbox"/> Women-Owned</p> <p><input type="checkbox"/> Other MBE Classification</p> <p>NAICS code: _____</p>	<p><b>Please refer to Item #8 in Part 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</b></p> <p><input type="checkbox"/> Supplier, wholesaler and/or regular dealer (count 60%)</p> <p><input type="checkbox"/> Manufacturer (count 100%)</p> <p><input type="checkbox"/> Broker (count reasonable fee/commission only)</p> <p><input type="checkbox"/> Furnish and Install and other Services (count 100%)</p> <p><b>Complete the applicable prompt (select only one) from prompts A-C below that applies to the type of work that the MBE firm named to the left will be performing to calculate the amount to be counted towards achieving the MBE Participation Goal and Subgoal, if any.</b></p> <p><b>A. Percentage amount of subcontract where the MBE firm is being used for manufacturer, furnish and install, and/or services</b> (excluding products/services from suppliers, wholesalers, regular dealers and brokers) _____%</p> <p><b>B. Percentage amount for items of work where the MBE firm is being used as supplier, wholesaler, and/or regular dealer</b> (60% Rule)). Total percentage of Supplies/Products _____% X 60% = _____%</p> <p><b>C. Percentage amount of fee where the MBE firm is being used as broker</b> (count reasonable fee/commission only) _____ %</p> <p>Description of the Work to be Performed: _____</p>
<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned</p> <p><input type="checkbox"/> Hispanic American- Owned</p> <p><input type="checkbox"/> Asian American-Owned</p> <p><input type="checkbox"/> Women-Owned</p> <p><input type="checkbox"/> Other MBE Classification</p> <p>NAICS code: _____</p>	<p><b>Please refer to Item #8 in Part 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</b></p> <p><input type="checkbox"/> Supplier, wholesaler and/or regular dealer (count 60%)</p> <p><input type="checkbox"/> Manufacturer (count 100%)</p> <p><input type="checkbox"/> Broker (count reasonable fee/commission only)</p> <p><input type="checkbox"/> Furnish and Install and other Services (count 100%)</p> <p><b>Complete the applicable prompt (select only one) from prompts A-C below that applies to the type of work that the MBE Firm named to the left will be performing to calculate the amount to be counted towards achieving the MBE Participation Goal and Subgoal, if any.</b></p> <p><b>A. Percentage amount of subcontract where the MBE Firm is being used for manufacturer, furnish and install, and/or services</b> (excluding products/services from suppliers, wholesalers, regular dealers and brokers) _____%</p> <p><b>B. Percentage amount for items of work where the MBE firm is being used as supplier, wholesaler, and/or regular dealer</b> (60% Rule)). Total percentage of Supplies/Products _____% X 60% = _____%</p> <p><b>C. Percentage amount of fee where the MBE firm is being used as broker</b> (count reasonable fee/commission only) _____ %</p> <p>Description of the Work to be Performed: _____</p>



<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned</p> <p><input type="checkbox"/> Hispanic American- Owned</p> <p><input type="checkbox"/> Asian American-Owned</p> <p><input type="checkbox"/> Women-Owned</p> <p><input type="checkbox"/> Other MBE Classification</p> <p>NAICS code: _____</p>	<p><b>Please refer to Item #8 in Part 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</b></p> <p><input type="checkbox"/> Supplier, wholesaler and/or regular dealer (count 60%)</p> <p><input type="checkbox"/> Manufacturer (count 100%)</p> <p><input type="checkbox"/> Broker (count reasonable fee/commission only)</p> <p><input type="checkbox"/> Furnish and Install and other Services (count 100%)</p> <p><b>Complete the applicable prompt (select only one) from prompts A-C below that applies to the type of work that for the MBE firm named to the left will be performing to calculate the amount to be counted towards achieving the MBE Participation Goal and Subgoal, if any.</b></p> <p><b>A. Percentage amount of subcontract where the MBE firm is being used for manufacturer, furnish and install, and/or services</b> (excluding products/services from suppliers, wholesalers, regular dealers and brokers) _____%</p> <p><b>B. Percentage amount for items of work where the MBE firm is being used as supplier, wholesaler, and/or regular dealer</b> (60% Rule). Total percentage of Supplies/Products _____% X 60% = _____%</p> <p><b>C. Percentage amount of fee where the MBE firm is being used as broker</b> (count reasonable fee/commission only) _____ %</p> <p>Description of the Work to be Performed: _____</p>
<p>MBE Firm Name: _____</p> <p>MBE Certification Number: _____</p> <p>(If dually certified, check only one box.)</p> <p><input type="checkbox"/> African American-Owned</p> <p><input type="checkbox"/> Hispanic American- Owned</p> <p><input type="checkbox"/> Asian American-Owned</p> <p><input type="checkbox"/> Women-Owned</p> <p><input type="checkbox"/> Other MBE Classification</p> <p>NAICS code: _____</p>	<p><b>Please refer to Item #8 in Part 1- Instructions of this document for new MBE participation guidelines regarding materials and supplies.</b></p> <p><input type="checkbox"/> Supplier, wholesaler and/or regular dealer (count 60%)</p> <p><input type="checkbox"/> Manufacturer (count 100%)</p> <p><input type="checkbox"/> Broker (count reasonable fee/commission only)</p> <p><input type="checkbox"/> Furnish and Install and other Services (count 100%)</p> <p><b>Complete the applicable prompt (select only one) from prompts A-C below that applies to the type of work that the MBE firm named to the left will be performing to calculate the amount to be counted towards achieving the MBE Participation Goal and Subgoal, if any.</b></p> <p><b>A. Percentage amount of subcontract where the MBE firm is being used for manufacturer, furnish and install, and/or services</b> (excluding products/services from suppliers, wholesalers, regular dealers and brokers) _____%</p> <p><b>B. Percentage amount for items of work where the MBE firm is being used as supplier, wholesaler, and/or regular dealer</b> (60% Rule)). Total percentage of Supplies/Products _____% X 60% = _____%</p> <p><b>C. Percentage amount of fee where the MBE firm is being used as broker</b> _____ %</p> <p>Description of the Work to be Performed: _____</p>

**CONTINUE ON SEPARATE PAGE IF NEEDED**

I solemnly affirm under the penalties of perjury that: (i) I have reviewed the instructions for the MBE Utilization & Fair Solicitation Affidavit and MBE Schedule, and (ii) the information contained in the MBE Utilization & Fair Solicitation Affidavit and MBE Schedule is true to the best of my knowledge, information and belief.

\_\_\_\_\_  
Bidder/Offeror Name  
*(PLEASE PRINT OR TYPE)*

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
City, State and Zip Code

\_\_\_\_\_  
Date

**SUBMIT THIS AFFIDAVIT WITH BID/PROPOSAL**

# **MBE ATTACHMENT D-1B WAIVER GUIDANCE**

## **GUIDANCE FOR DOCUMENTING GOOD FAITH EFFORTS TO MEET MBE PARTICIPATION GOALS**

In order to show that it has made good faith efforts to meet the Minority Business Enterprise (MBE) participation goal (including any MBE subgoals) on a contract, the bidder/offeror must either (1) meet the MBE Goal(s) and document its commitments for participation of MBE Firms, or (2) when it does not meet the MBE Goal(s), document its Good Faith Efforts to meet the goal(s).

### **I. Definitions**

**MBE Goal(s)** – “MBE Goal(s)” refers to the MBE participation goal and MBE participation subgoal(s).

**Good Faith Efforts** – The “Good Faith Efforts” requirement means that when requesting a waiver, the bidder/offeror must demonstrate that it took all necessary and reasonable steps to achieve the MBE Goal(s), which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient MBE participation, even if those steps were not fully successful. Whether a bidder/offeror that requests a waiver made adequate good faith efforts will be determined by considering the quality, quantity, and intensity of the different kinds of efforts that the bidder/offeror has made. The efforts employed by the bidder/offeror should be those that one could reasonably expect a bidder/offeror to take if the bidder/offeror were actively and aggressively trying to obtain MBE participation sufficient to meet the MBE contract goal and subgoals. Mere *pro forma* efforts are not good faith efforts to meet the MBE contract requirements. The determination concerning the sufficiency of the bidder's/offeror's good faith efforts is a judgment call; meeting quantitative formulas is not required.

**Identified Firms** – “Identified Firms” means a list of the MBEs identified by the procuring agency during the goal setting process and listed in the procurement as available to perform the Identified Items of Work. It also may include additional MBEs identified by the bidder/offeror as available to perform the Identified Items of Work, such as MBEs certified or granted an expansion of services after the procurement was issued. If the procurement does not include a list of Identified Firms, this term refers to all of the MBE Firms (if State-funded) the bidder/offeror identified as available to perform the Identified Items of Work and should include all appropriately certified firms that are reasonably identifiable.

**Identified Items of Work** – “Identified Items of Work” means the bid items identified by the procuring agency during the goal setting process and listed in the procurement as possible items of work for performance by MBE Firms. It also may include additional portions of items of work the bidder/offeror identified for performance by MBE Firms to increase the likelihood that the MBE Goal(s) will be achieved. If the procurement does not include a list of Identified Items of Work, this term refers to all of the items of work the bidder/offeror identified as possible items of work for performance by MBE Firms and should include all reasonably identifiable work opportunities.

**MBE Firms** – “MBE Firms” refers to a firm certified by the Maryland Department of Transportation (“MDOT”) under COMAR 21.11.03. Only MDOT-certified MBE Firms can participate in the State's MBE Program.

## II. Types of Actions Agency will Consider

The bidder/offeror is responsible for making relevant portions of the work available to MBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available MBE subcontractors and suppliers, so as to facilitate MBE participation. The following is a list of types of actions the procuring agency will consider as part of the bidder's/offeror's Good Faith Efforts when the bidder/offeror fails to meet the MBE Goal(s). This list is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.

### A. Identify Bid Items as Work for MBE Firms

#### 1. Identified Items of Work in Procurements

(a) Certain procurements will include a list of bid items identified during the goal setting process as possible work for performance by MBE Firms. If the procurement provides a list of Identified Items of Work, the bidder/offeror shall make all reasonable efforts to solicit quotes from MBE Firms to perform that work.

(b) Bidders/Offerors may, and are encouraged to, select additional items of work to be performed by MBE Firms to increase the likelihood that the MBE Goal(s) will be achieved.

#### 2. Identified Items of Work by Bidders/Offerors

(a) When the procurement does not include a list of Identified Items of Work or for additional Identified Items of Work, bidders/offerors should reasonably identify sufficient items of work to be performed by MBE Firms.

(b) Where appropriate, bidders/offerors should break out contract work items into economically feasible units to facilitate MBE participation, rather than perform these work items with their own forces. The ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder/offeror of the responsibility to make Good Faith Efforts.

### B. Identify MBE Firms to Solicit

#### 1. MBE Firms Identified in Procurements

(a) Certain procurements will include a list of the MBE Firms identified during the goal setting process as available to perform the items of work. If the procurement provides a list of Identified MBE Firms, the bidder/offeror shall make all reasonable efforts to solicit those MBE firms.

(b) Bidders/offerors may, and are encouraged to, search the MBE Directory to identify additional MBEs who may be available to perform the items of work, such as MBEs certified or granted an expansion of services after the solicitation was issued.

#### 2. MBE Firms Identified by Bidders/Offerors

(a) When the procurement does not include a list of Identified MBE Firms, bidders/offerors should reasonably identify the MBE Firms that are available to perform the Identified Items of Work.

(b) Any MBE Firms identified as available by the bidder/offeror should be certified to perform the Identified Items of Work.

### C. Solicit MBEs

1. Solicit all Identified Firms for all Identified Items of Work by providing written notice. The bidder/offeror should:

(a) provide the written solicitation at least 10 days prior to bid opening to allow sufficient time for the MBE Firms to respond;

(b) send the written solicitation by first-class mail, facsimile, or email using contact information in the MBE Directory, unless the bidder/offeror has a valid basis for using different contact information; and

(c) provide adequate information about the plans, specifications, anticipated time schedule for portions of the work to be performed by the MBE, and other requirements of the contract to assist MBE Firms in responding. (This information may be provided by including hard copies in the written solicitation or by electronic means as described in C.3 below.)

2. "All" Identified Firms includes the MBEs listed in the procurement and any MBE Firms you identify as potentially available to perform the Identified Items of Work, but it does not include MBE Firms who are no longer certified to perform the work as of the date the bidder/offeror provides written solicitations.

3. "Electronic Means" includes, for example, information provided *via* a website or file transfer protocol (FTP) site containing the plans, specifications, and other requirements of the contract. If an interested MBE cannot access the information provided by electronic means, the bidder/offeror must make the information available in a manner that is accessible to the interested MBE.

4. Follow up on initial written solicitations by contacting MBEs to determine if they are interested. The follow up contact may be made:

(a) by telephone using the contact information in the MBE Directory, unless the bidder/offeror has a valid basis for using different contact information; or

(b) in writing *via* a method that differs from the method used for the initial written solicitation.

5. In addition to the written solicitation set forth in C.1 and the follow up required in C.4, use all other reasonable and available means to solicit the interest of MBE Firms certified to perform the work of the contract. Examples of other means include:

(a) attending any pre-bid meetings at which MBE Firms could be informed of contracting and subcontracting opportunities; and

(b) if recommended by the procurement, advertising with or effectively using the services of at least two minority focused entities or media, including trade associations, minority/women community organizations, minority/women contractors' groups, and local, state, and federal minority/women business assistance offices listed on the MDOT Office of Minority Business Enterprise website.

### D. Negotiate With Interested MBE Firms

Bidders/Offerors must negotiate in good faith with interested MBE Firms.

1. Evidence of negotiation includes, without limitation, the following:

(a) the names, addresses, and telephone numbers of MBE Firms that were considered;

(b) a description of the information provided regarding the plans and specifications for the work selected for subcontracting and the means used to provide that information; and

(c) evidence as to why additional agreements could not be reached for MBE Firms to perform the work.

2. A bidder/offeror using good business judgment would consider a number of factors in negotiating with subcontractors, including MBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration.

3. The fact that there may be some additional costs involved in finding and using MBE Firms is not in itself sufficient reason for a bidder's/offeror's failure to meet the contract MBE goal(s), as long as such costs are reasonable. Factors to take into consideration when determining whether a MBE Firm's quote is excessive or unreasonable include, without limitation, the following:

(a) the dollar difference between the MBE subcontractor's quote and the average of the other subcontractors' quotes received by the bidder/offeror;

(b) the percentage difference between the MBE subcontractor's quote and the average of the other subcontractors' quotes received by the bidder/offeror;

(c) the percentage that the MBE subcontractor's quote represents of the overall contract amount;

(d) the number of MBE firms that the bidder/offeror solicited for that portion of the work;

(e) whether the work described in the MBE and Non-MBE subcontractor quotes (or portions thereof) submitted for review is the same or comparable; and

(f) the number of quotes received by the bidder/offeror for that portion of the work.

4. The above factors are not intended to be mandatory, exclusive, or exhaustive, and other evidence of an excessive or unreasonable price may be relevant.

5. The bidder/offeror may not use its price for self-performing work as a basis for rejecting a MBE Firm's quote as excessive or unreasonable.

6. The "average of the other subcontractors' quotes received" by the bidder/offeror refers to the average of the quotes received from all subcontractors. Bidder/offeror should attempt to receive quotes from at least three subcontractors, including one quote from a MBE and one quote from a Non-MBE.

7. A bidder/offeror shall not reject a MBE Firm as unqualified without sound reasons based on a thorough investigation of the firm's capabilities. For each certified MBE that is rejected as unqualified or that placed a subcontract quotation or offer that the bidder/offeror concludes is not acceptable, the bidder/offeror must provide a written detailed statement listing the reasons for this conclusion. The bidder/offeror also must document the steps taken to verify the capabilities of the MBE and Non-MBE Firms quoting similar work.

(a) The factors to take into consideration when assessing the capabilities of a MBE Firm, include, but are not limited to the following: financial capability, physical capacity to perform, available personnel and equipment, existing workload, experience performing the type of work, conduct and performance in previous contracts, and ability to meet reasonable contract requirements.

(b) The MBE Firm's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the efforts to meet the project goal.

## E. Assisting Interested MBE Firms

When appropriate under the circumstances, the decision-maker will consider whether the bidder/offeror:

1. made reasonable efforts to assist interested MBE Firms in obtaining the bonding, lines of credit, or insurance required by the procuring agency or the bidder/offeror; and
2. made reasonable efforts to assist interested MBE Firms in obtaining necessary equipment, supplies, materials, or related assistance or services.

## III. Other Considerations

In making a determination of Good Faith Efforts the decision-maker may consider engineering estimates, catalogue prices, general market availability and availability of certified MBE Firms in the area in which the work is to be performed, other bids or offers and subcontract bids or offers substantiating significant variances between certified MBE and Non-MBE costs of participation, and their impact on the overall cost of the contract to the State and any other relevant factors.

The decision-maker may take into account whether a bidder/offeror decided to self-perform subcontract work with its own forces, especially where the self-performed work is Identified Items of Work in the procurement. The decision-maker also may take into account the performance of other bidders/offerors in meeting the contract. For example, when the apparent successful bidder/offeror fails to meet the contract goal, but others meet it, this reasonably raises the question of whether, with additional reasonable efforts, the apparent successful bidder/offeror could have met the goal. If the apparent successful bidder/offeror fails to meet the goal, but meets or exceeds the average MBE participation obtained by other bidders/offerors, this, when viewed in conjunction with other factors, could be evidence of the apparent successful bidder/offeror having made Good Faith Efforts.

## IV. Documenting Good Faith Efforts

At a minimum, a bidder/offeror seeking a waiver of the MBE Goal(s) or a portion thereof must provide written documentation of its Good Faith Efforts, in accordance with COMAR 21.11.03.11, within 10 business days after receiving notice that it is the apparent awardee. The written documentation shall include the following:

### A. Items of Work (Complete Good Faith Efforts Documentation Attachment 1-C, Part 1)

A detailed statement of the efforts made to select portions of the work proposed to be performed by certified MBE Firms in order to increase the likelihood of achieving the stated MBE Goal(s).

### B. Outreach/Solicitation/Negotiation

1. The record of the bidder's/offeror's compliance with the outreach efforts prescribed by COMAR 21.11.03.09C(2)(a). **(Complete Outreach Efforts Compliance Statement – Attachment 2).**

2. A detailed statement of the efforts made to contact and negotiate with MBE Firms including:

- (a) the names, addresses, and telephone numbers of the MBE Firms who were contacted, with the dates and manner of contacts (letter, fax, email, telephone, etc.) **(Complete Good Faith Efforts Attachment 1-C- Part 2, and submit letters, fax cover sheets, emails, etc. documenting solicitations);** and

- (b) a description of the information provided to MBE Firms regarding the plans, specifications, and anticipated time schedule for portions of the work to be performed and the means used to provide that information.

**C. Rejected MBE Firms (Complete Good Faith Efforts Attachment 1-C, Part3)**

1. For each MBE Firm that the bidder/offeror concludes is not acceptable or qualified, a detailed statement of the reasons for the bidder's/offeror's conclusion, including the steps taken to verify the capabilities of the MBE and Non-MBE Firms quoting similar work.

2. For each certified MBE Firm that the bidder/offeror concludes has provided an excessive or unreasonable price, a detailed statement of the reasons for the bidder's/offeror's conclusion, including the quotes received from all MBE and Non-MBE firms bidding on the same or comparable work. **(Include copies of all quotes received.)**

3. A list of MBE Firms contacted but found to be unavailable. This list should be accompanied by a MBE Unavailability Certificate (see Exhibit A to this Part 1) signed by the MBE contractor or a statement from the bidder/offeror that the MBE contractor refused to sign the MBE Unavailability Certificate.

**D. Other Documentation**

1. Submit any other documentation requested by the Procurement Officer to ascertain the bidder's/offeror's Good Faith Efforts.

2. Submit any other documentation the bidder/offeror believes will help the Procurement Officer ascertain its Good Faith Efforts.



**Exhibit A**

**MBE Subcontractor Unavailability Certificate**

1. It is hereby certified that the firm of \_\_\_\_\_  
(Name of Minority firm)

located at \_\_\_\_\_  
(Number) (Street)

\_\_\_\_\_  
(City) (State) (Zip)

was offered an opportunity to bid on Solicitation No. \_\_\_\_\_

in \_\_\_\_\_ County by \_\_\_\_\_  
(Name of Prime Contractor's Firm)

\*\*\*\*\*

2. \_\_\_\_\_ (Minority Firm), is either unavailable for the

work/service or unable to prepare a bid for this project for the following reason(s):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
**Signature of Minority Firm's MBE Representative**                      **Title**                      **Date**

\_\_\_\_\_  
\_\_\_\_\_

MDOT Certification #

Telephone #

\*\*\*\*\*

3. To be completed by the prime contractor if Section 2 of this form is not completed by the minority firm.

To the best of my knowledge and belief, said Certified Minority Business Enterprise is either unavailable for the work/service for this project, is unable to prepare a bid, or did not respond to a request for a price proposal and has not completed the above portion of this submittal.

\_\_\_\_\_  
Signature of Prime Contractor                      Title                      Date

**MBE ATTACHMENT D-1C**  
**GOOD FAITH EFFORTS DOCUMENTATION TO SUPPORT WAIVER REQUEST**

PAGE \_\_\_ OF \_\_\_

Prime Contractor	Project Description	Solicitation Number

**PARTS 1, 2, AND 3 MUST BE INCLUDED WITH THIS CERTIFICATE ALONG WITH ALL DOCUMENTS SUPPORTING YOUR WAIVER REQUEST.**

I affirm that I have reviewed Attachment D-1B, Waiver Guidance. I further affirm under penalties of perjury that the contents of Parts 1, 2, and 3 of this Attachment D-1C Good Faith Efforts Documentation Form are true to the best of my knowledge, information, and belief.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Signature of Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
City, State and Zip Code

\_\_\_\_\_  
Date

**GOOD FAITH EFFORTS DOCUMENTATION  
TO SUPPORT WAIVER REQUEST**

**PART 1 – IDENTIFIED ITEMS OF WORK BIDDER/OFFEROR MADE AVAILABLE TO  
MBE FIRMS**

PAGE \_\_\_ OF \_\_\_

Prime Contractor	Project Description	Solicitation Number

Identify those items of work that the bidder/offeror made available to MBE Firms. This includes, where appropriate, those items the bidder/offeror identified and determined to subdivide into economically feasible units to facilitate the MBE participation. For each item listed, show the anticipated percentage of the total contract amount. It is the bidder's/offeror's responsibility to demonstrate that sufficient work to meet the goal was made available to MBE Firms, and the total percentage of the items of work identified for MBE participation equals or exceeds the percentage MBE goal set for the procurement. Note: If the procurement includes a list of bid items identified during the goal setting process as possible items of work for performance by MBE Firms, the bidder/offeror should make all of those items of work available to MBE Firms or explain why that item was not made available. If the bidder/offeror selects additional items of work to make available to MBE Firms, those additional items should also be included below.

Identified Items of Work	Was this work listed in the procurement?	Does bidder/offeror normally self-perform this work?	Was this work made available to MBE Firms? If no, explain why?
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
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	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Please check if Additional Sheets are attached.

## GOOD FAITH EFFORTS DOCUMENTATION TO SUPPORT WAIVER REQUEST

### PART 2 – IDENTIFIED MBE FIRMS AND RECORD OF SOLICITATIONS

PAGE \_\_\_ OF \_\_\_

Prime Contractor	Project Description	Solicitation Number

Identify the MBE Firms solicited to provide quotes for the Identified Items of Work made available for MBE participation. Include the name of the MBE Firm solicited, items of work for which bids/quotes were solicited, date and manner of initial and follow-up solicitations, whether the MBE provided a quote, and whether the MBE is being used to meet the MBE participation goal. MBE Firms used to meet the participation goal must be included on the MBE Participation Schedule. Note: If the procurement includes a list of the MBE Firms identified during the goal setting process as potentially available to perform the items of work, the bidder/offeror should solicit all of those MBE Firms or explain why a specific MBE was not solicited. If the bidder/offeror identifies additional MBE Firms who may be available to perform Identified Items of Work, those additional MBE Firms should also be included below. Copies of all written solicitations and documentation of follow-up calls to MBE Firms must be attached to this form. This list should be accompanied by a Minority Contractor Unavailability Certificate signed by the MBE contractor or a statement from the bidder/offeror that the MBE contractor refused to sign the Minority Contractor Unavailability Certificate (see Exhibit A to MBE Attachment 1-B). If the bidder/offeror used a Non-MBE or is self-performing the identified items of work, Part 3 must be completed.

Name of Identified MBE Firm & MBE Classification	Describe Item of Work Solicited	Initial Solicitation Date & Method	Follow-up Solicitation Date & Method	Details for Follow-up Calls	Quote Rec'd	Quote Used	Reason Quote Rejected
<b>Firm Name:</b> <hr/> <b>MBE Classification (Check only if requesting waiver of MBE subgoal.)</b>  <input type="checkbox"/> African American-Owned <input type="checkbox"/> Hispanic American-Owned <input type="checkbox"/> Asian American-Owned <input type="checkbox"/> Women-Owned <input type="checkbox"/> Other MBE Classification <hr/>		Date:  <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Date:  <input type="checkbox"/> Phone <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Time of Call:  Spoke With:  <input type="checkbox"/> Left Message	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Used Other MBE <input type="checkbox"/> Used Non-MBE  <input type="checkbox"/> Self-performing
<b>Firm Name:</b> <hr/> <b>MBE Classification (Check only if requesting waiver of MBE subgoal.)</b>  <input type="checkbox"/> African American-Owned <input type="checkbox"/> Hispanic American-Owned <input type="checkbox"/> Asian American-Owned <input type="checkbox"/> Women-Owned <input type="checkbox"/> Other MBE Classification <hr/>		Date:  <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Date:  <input type="checkbox"/> Phone <input type="checkbox"/> Mail <input type="checkbox"/> Facsimile <input type="checkbox"/> Email	Time of Call:  Spoke With:  <input type="checkbox"/> Left Message	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Used Other MBE <input type="checkbox"/> Used Non-MBE  <input type="checkbox"/> Self-performing

Please check if Additional Sheets are attached.

**GOOD FAITH EFFORTS DOCUMENTATION  
TO SUPPORT WAIVER REQUEST**

**PART 3 – ADDITIONAL INFORMATION REGARDING REJECTED MBE QUOTES**

PAGE \_\_\_ OF \_\_\_

Prime Contractor	Project Description	Solicitation Number

This form must be completed if Part 2 indicates that a MBE quote was rejected because the bidder/offeror is using a Non- MBE or is self-performing the Identified Items of Work. Provide the Identified Items Work, indicate whether the work will be self-performed or performed by a Non-MBE, and if applicable, state the name of the Non-MBE. Also include the names of all MBE and Non-MBE Firms that provided a quote and the amount of each quote.

Describe Identified Items of Work Not Being Performed by MBE (Include spec/section number from bid)	Self-performing or Using Non-MBE (Provide name)	Amount of Non-MBE Quote	Name of Other Firms who Provided Quotes & Whether MBE or Non-MBE	Amount Quoted	Indicate Reason Why MBE Quote Rejected & Briefly Explain
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non-MBE	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non-MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non-MBE	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non-MBE	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non- MBE	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non- MBE	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other
	<input type="checkbox"/> Self-performing <input type="checkbox"/> Using Non- MBE	\$ _____	_____ <input type="checkbox"/> MBE <input type="checkbox"/> Non- MBE	\$ _____	<input type="checkbox"/> Price <input type="checkbox"/> Capabilities <input type="checkbox"/> Other

Please check if Additional Sheets are attached.

**MBE Attachment D- 2**  
**OUTREACH EFFORTS COMPLIANCE STATEMENT**

Complete and submit this form within 10 working days of notification of apparent award or actual award, whichever is earlier.

In conjunction with the bid/proposal submitted in response to Solicitation No. \_\_\_\_\_, I state the following:

1. Bidder/Offeror identified subcontracting opportunities in these specific workcategories:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Attached to this form are copies of written solicitations (with bidding/proposal instructions) used to solicit certified MBE firms for these subcontract opportunities.

3. Bidder/Offeror made the following attempts to personally contact the solicited MDOT-certified MBE firms: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**4. Please Check One:**

- This project does not involve bonding requirements.
- Bidder/Offeror assisted MDOT-certified MBE firms to fulfill or seek waiver of bonding requirements. (DESCRIBE EFFORTS): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**5. Please Check One:**

- Bidder/Offeror did attend the pre-bid/pre-proposal conference.
- No pre-bid/pre-proposal meeting/conference was held.
- Bidder/Offeror did not attend the pre-bid/pre-proposal conference.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Signature of Representative

\_\_\_\_\_  
Address

\_\_\_\_\_  
Printed Name and Title

\_\_\_\_\_  
City, State and Zip Code

\_\_\_\_\_  
Date

**MBE Attachment D-3A  
MBE SUBCONTRACTOR PROJECT PARTICIPATION CERTIFICATION**

**PLEASE COMPLETE AND SUBMIT ONE FORM FOR EACH CERTIFIED MBE FIRM LISTED ON THE MBE PARTICIPATION SCHEDULE (ATTACHMENT D-1A) WITHIN 10 WORKING DAYS OF NOTIFICATION OF APPARENT AWARD. IF THE BIDDER/OFFEROR FAILS TO RETURN THIS FORM WITHIN THE REQUIRED TIME, THE PROCUREMENT OFFICER MAY DETERMINE THAT THE BIDDER/OFFEROR IS NOT RESPONSIBLE AND THEREFORE NOT ELIGIBLE FOR CONTRACT AWARD.**

Provided that \_\_\_\_\_ (Prime Contractor's Name) is awarded the State contract in conjunction with Solicitation No. \_\_\_\_\_, such Prime Contractor intends to enter into a subcontract with \_\_\_\_\_ (Subcontractor's Name – Second Tier) committing to participation by the MBE firm \_\_\_\_\_ (Name of MBE firm - Second or Third Tier as applicable; if second tier subcontractor previously listed is also the MBE firm, please restate name and provide MBE Certification Number) with MDOT Certification Number \_\_\_\_\_ which will receive at least \$ \_\_\_\_\_ or \_\_\_\_% (Total Contract Amount/Percentage) for performing the following products/services for the Contract:

NAICS CODE	WORK ITEM, SPECIFICATION NUMBER, LINE ITEMS OR WORK CATEGORIES (IF APPLICABLE)	DESCRIPTION OF SPECIFIC PRODUCTS AND/OR SERVICES

Each of the Contractor and Subcontractor acknowledges that, for purposes of determining the accuracy of the information provided herein, the Procurement Officer may request additional information, including, without limitation, copies of the subcontract agreements and quotes. Each of the Contractor and Subcontractor solemnly affirms under the penalties of perjury that: (i) the information provided in this MBE Subcontractor Project Participation Affidavit is true to the best of its knowledge, information and belief, and (ii) has fully complied with the State Minority Business Enterprise law, State Finance and Procurement Article §14-308(a)(2), Annotated Code of Maryland which provides that, except as otherwise provided by law, a contractor may not identify a certified minority business enterprise in a Bid/Proposal and:

- (1) fail to request, receive, or otherwise obtain authorization from the certified minority business enterprise to identify the certified Minority Business Enterprise in its Bid/Proposal;
- (2) fail to notify the certified Minority Business Enterprise before execution of the Contract of its inclusion of the Bid/Proposal;
- (3) fail to use the certified Minority Business Enterprise in the performance of the Contract; or
- (4) pay the certified Minority Business Enterprise solely for the use of its name in the Bid/Proposal.

I solemnly affirm under the penalties of perjury that the information provided in this form is true to the best of my knowledge, information and belief.

PRIME CONTRACTOR	SUBCONTRACTOR (SECOND-TIER)	SUBCONTRACTOR (THIRD-TIER): Leave Blank if not applicable
Signature of Representative: _____	Signature of Representative: _____	Signature of Representative: _____
Printed Name and Title: _____	Printed Name and Title: _____	Printed Name and Title: _____
Firm's Name: _____	Firm's Name: _____	Firm's Name: _____
Federal Identification Number: _____	Federal Identification Number: _____	Federal Identification Number: _____
Address: _____	Address: _____	Address: _____
Telephone: _____	Telephone: _____	Telephone: _____
Date: _____	Date: _____	Date: _____

**MBE Attachment D-3B  
MBE PRIME - PROJECT  
PARTICIPATION CERTIFICATION**

**PLEASE COMPLETE AND SUBMIT THIS FORM TO ATTEST EACH SPECIFIC ITEM OF WORK THAT YOUR MBE FIRM HAS LISTED ON THE MBE PARTICIPATION SCHEDULE (ATTACHMENT D-1A) FOR PURPOSES OF MEETING THE MBE PARTICIPATION GOALS. THIS FORM MUST BE SUBMITTED WITHIN 10 WORKING DAYS OF NOTIFICATION OF APPARENT AWARD. IF THE BIDDER/OFFEROR FAILS TO RETURN THIS AFFIDAVIT WITHIN THE REQUIRED TIME, THE PROCUREMENT OFFICER MAY DETERMINE THAT THE BIDDER/OFFEROR IS NOT RESPONSIBLE AND THEREFORE NOT ELIGIBLE FOR CONTRACT AWARD.**

Provided that \_\_\_\_\_ (Prime Contractor's Name) with Certification Number \_\_\_\_\_ is awarded the State contract in conjunction with Solicitation No. \_\_\_\_\_, such MBE Prime Contractor intends to perform with its own forces at least \$ \_\_\_\_\_ which equals to \_\_\_\_\_% of the Total Contract Amount for performing the following products/services for the Contract:

<b>NAICS CODE</b>	<b>WORK ITEM, SPECIFICATION NUMBER, LINE ITEMS OR WORK CATEGORIES (IF APPLICABLE). FOR CONSTRUCTION PROJECTS, GENERAL CONDITIONS MUST BE LISTED SEPARATELY.</b>	<b>DESCRIPTION OF SPECIFIC PRODUCTS AND/OR SERVICES</b>	<b>VALUE OF THE WORK</b>

**MBE PRIME CONTRACTOR**

Signature of Representative: \_\_\_\_\_

Printed Name and Title: \_\_\_\_\_

Firm's Name: \_\_\_\_\_

Federal Identification Number: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Date: \_\_\_\_\_



**Attachment E**

**Architect/Engineer Qualifications (SF330)**

# ARCHITECT-ENGINEER QUALIFICATIONS

OMB No.: 9000-0157  
Expires: 11/30/2017

PAPERWORK REDUCTION ACT STATEMENT: Public reporting burden for this collection of information is estimated to average 29 hours (25 hours for part 1 and 4 hours for Part 2) per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing this burden, to U.S. General Services Administration, Regulatory Secretariat (MVCB)/IC 9000-0157, Office of Governmentwide Acquisition Policy, 1800 F Street, NW, Washington, DC 20405.

## PURPOSE

Federal agencies use this form to obtain information from architect-engineer (A-E) firms about their professional qualifications. Federal agencies select firms for A-E contracts on the basis of professional qualifications as required by 40 U.S.C. chapter 11, Selection of Architects Engineers, and Part 36 of the Federal Acquisition Regulation (FAR).

The Selection of Architects and Engineers statute requires the public announcement of requirements for A-E services (with some exceptions provided by other statutes), and the selection of at least three of the most highly qualified firms based on demonstrated competence and professional qualifications according to specific criteria published in the announcement. The Act then requires the negotiation of a contract at a fair and reasonable price starting first with the most highly qualified firm.

The information used to evaluate firms is from this form and other sources, including performance evaluations, any additional data requested by the agency, and interviews with the most highly qualified firms and their references.

## GENERAL INSTRUCTIONS

Part I presents the qualifications for a specific contract.

Part II presents the general qualifications of a firm or a specific branch office of a firm. Part II has two uses:

1. An A-E firm may submit Part II to the appropriate central, regional or local office of each Federal agency to be kept on file. A public announcement is not required for certain contracts, and agencies may use Part II as a basis for selecting at least three of the most highly qualified firms for discussions prior to requesting submission of Part I. Firms are encouraged to update Part II on file with agency offices, as appropriate, according to FAR Part 36. If a firm has branch offices, submit a separate Part II for each branch office seeking work.

2. Prepare a separate Part II for each firm that will be part of the team proposed for a specific contract and submitted with Part I. If a firm has branch offices, submit a separate Part II for each branch office that has a key role on the team.

## INDIVIDUAL AGENCY INSTRUCTIONS

Individual agencies may supplement these instructions. For example, they may limit the number of projects or number of

pages submitted in Part I in response to a public announcement for a particular project. Carefully comply with any agency instructions when preparing and submitting this form. Be as concise as possible and provide only the information requested by the agency.

## DEFINITIONS

**Architect-Engineer Services:** Defined in FAR 2.101.

**Branch Office:** A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

**Discipline:** Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

**Firm:** Defined in FAR 36.102.

**Key Personnel:** Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

## SPECIFIC INSTRUCTIONS

### Part I - Contract-Specific Qualifications

#### Section A. Contract Information.

1. Title and Location. Enter the title and location of the contract for which this form is being submitted, exactly as shown in the public announcement or agency request.

2. Public Notice Date. Enter the posted date of the agency's notice on the Federal Business Opportunity website (FedBizOpps), other form of public announcement or agency request for this contract.

3. Solicitation or Project Number. Enter the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request for this contract.

#### Section B. Architect-Engineer Point of Contact.

4-8. Name, Title, Name of Firm, Telephone Number, Fax (Facsimile) Number and E-mail (Electronic Mail) Address. Provide information for a representative of the prime contractor or joint venture that the agency can contact for additional information.

---

Section C. Proposed Team.

9-11. Firm Name, Address, and Role in This Contract. Provide the contractual relationship, name, full mailing address, and a brief description of the role of each firm that will be involved in performance of this contract. List the prime contractor or joint venture partners first. If a firm has branch offices, indicate each individual branch office that will have a key role on the team. The named subcontractors and outside associates or consultants must be used, and any change must be approved by the contracting officer. (See FAR Part 52 Clause "Subcontractors and Outside Associates and Consultants (Architect-Engineer Services)".) Attach an additional sheet in the same format as Section C if needed.

Section D. Organizational Chart of Proposed Team.

As an attachment after Section C, present an organizational chart of the proposed team showing the names and roles of all key personnel listed in Section E and the firm they are associated with as listed in Section C.

Section E. Resumes of Key Personnel Proposed for This Contract.

Complete this section for each key person who will participate in this contract. Group by firm, with personnel of the prime contractor or joint venture partner firms first. The following blocks must be completed for each resume:

12. Name. Self-explanatory.

13. Role in This Contract. Self-explanatory.

14. Years Experience. Total years of relevant experience (block 14a), and years of relevant experience with current firm, but not necessarily the same branch office (block 14b).

15. Firm Name and Location. Name, city and state of the firm where the person currently works, which must correspond with one of the firms (or branch office of a firm, if appropriate) listed in Section C.

16. Education. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.

17. Current Professional Registration. Provide information on current relevant professional registration(s) in a State or possession of the United States, Puerto Rico, or the District of Columbia according to FAR Part 36.

18. Other Professional Qualifications. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.

19. Relevant Projects. Provide information on up to five projects in which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section F for the project team if the person was not involved in any of those projects or the person worked on other projects that were more relevant than the team projects in Section F. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role (block (3)).

Section F. Example Projects Which Best Illustrate Proposed Team's Qualifications for This Contract.

Select projects where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section F for each project. Present ten projects, unless otherwise specified by the agency. Complete the following blocks for each project:

20. Example Project Key Number. Start with "1" for the first project and number consecutively.

21. Title and Location. Title and location of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.

22. Year Completed. Enter the year completed of the professional services (such as planning, engineering study, design, or surveying), and/or the year completed of construction, if applicable. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block 24).

23a. Project Owner. Project owner or user, such as a government agency or installation, an institution, a corporation or private individual.

23b. Point of Contact Name. Provide name of a person associated with the project owner or the organization which contracted for the professional services, who is very familiar with the project and the firm's (or firms') performance.

23c. Point of Contact Telephone Number Self-explanatory.

24. Brief Description of Project and Relevance to This Contract. Indicate scope, size, cost, principal elements and special features of the project. Discuss the relevance of the example project to this contract. Enter any other information requested by the agency for each example project.

25. Firms from Section C Involved with This Project. Indicate which firms (or branch offices, if appropriate) on the project team were involved in the example project, and their roles. List in the same order as Section C.

**Section G. Key Personnel Participation in Example Projects.**

This matrix is intended to graphically depict which key personnel identified in Section E worked on the example projects listed in Section F. Complete the following blocks (see example below).

26. and 27. Names of Key Personnel and Role in This Contract. List the names of the key personnel and their proposed roles in this contract in the same order as they appear in Section E.

28. Example Projects Listed in Section F. In the column under each project key number (see block 29) and for each key person, place an "X" under the project key number for participation in the same or similar role.

29. Example Projects Key. List the key numbers and titles of the example projects in the same order as they appear in Section F.

**Section H. Additional Information.**

30. Use this section to provide additional information specifically requested by the agency or to address selection criteria that are not covered by the information provided in Sections A-G.

**Section I. Authorized Representative.**

31. and 32. Signature of Authorized Representative and Date. An authorized representative of a joint venture or the prime contractor must sign and date the completed form. Signing attests that the information provided is current and factual, and that all firms on the proposed team agree to work on the project. Joint ventures selected for negotiations must make available a statement of participation by a principal of each member of the joint venture.

33. Name and Title. Self-explanatory.

**SAMPLE ENTRIES FOR SECTION G (MATRIX)**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below first, before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Jane A. Smith	Chief Architect	X		X							
Joseph B. Williams	Chief Mech. Engineer	X	X	X	X						
Tara C. Donovan	Chief Elec. Engineer	X	X		X						

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Federal Courthouse, Denver, CO	6	XYZ Corporation Headquarters, Boston, MA
2	Justin J. Wilson Federal Building, Baton Rouge, LA	7	Founder's Museum, Newport RI

---

## Part II - General Qualifications

See the " **General Instructions** " on page 1 for firms with branch offices. Prepare Part II for the specific branch office seeking work if the firm has branch offices.

1. Solicitation Number. If Part II is submitted for a specific contract, insert the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request.

2a-2e. Firm (or Branch Office) Name and Address. Self-explanatory.

3. Year Established. Enter the year the firm (or branch office, if appropriate) was established under the current name.

4. DUNS Number. Insert the Data Universal Numbering System number issued by Dun and Bradstreet Information Services. Firms must have a DUNS number. See FAR Part 4.6.

### 5. Ownership.

a. Type. Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).

b. Small Business Status. Refer to the North American Industry Classification System (NAICS) code in the public announcement, and indicate if the firm is a small business according to the current size standard for that NAICS code (for example, Engineering Services (part of NAICS 541330), Architectural Services (NAICS 541310), Surveying and Mapping Services (NAICS 541370)). The small business categories and the internet website for the NAICS codes appear in FAR Part 19. Contact the requesting agency for any questions. Contact your local U.S. Small Business Administration office for any questions regarding Business Status.

6a-6c. Point of Contact. Provide this information for a representative of the firm that the agency can contact for additional information. The representative must be empowered to speak on contractual and policy matters.

7. Name of Firm. Enter the name of the firm if Part II is prepared for a branch office.

8a-8c. Former Firm Names. Indicate any other previous names for the firm (or branch office) during the last six years. Insert the year that this corporate name change was

effective and the associated DUNS Number. This information is used to review past performance on Federal contracts.

9. Employees by Discipline. Use the relevant disciplines and associated function codes shown at the end of these instructions and list in the same numerical order. After the listed disciplines, write in any additional disciplines and leave the function code blank. List no more than 20 disciplines. Group remaining employees under "Other Employees" in column b. Each person can be counted only once according to his/her primary function. If Part II is prepared for a firm (including all branch offices), enter the number of employees by disciplines in column c(1). If Part II is prepared for a branch office, enter the number of employees by discipline in column c(2) and for the firm in column c(1).

10. Profile of Firm's Experience and Annual Average Revenue for Last 5 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the experience categories which most accurately reflect the firm's technical capabilities and project experience. Use the relevant experience categories and associated profile codes shown at the end of these instructions, and list in the same numerical order. After the listed experience categories, write in any unlisted relevant project experience categories and leave the profile codes blank. For each type of experience, enter the appropriate revenue index number to reflect the professional services revenues received annually (averaged over the last 5 years) by the firm or branch office for performing that type of work. A particular project may be identified with one experience category or it may be broken into components, as best reflects the capabilities and types of work performed by the firm. However, do not double count the revenues received on a particular project.

11. Annual Average Professional Services Revenues of Firm for Last 3 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the appropriate revenue index numbers to reflect the professional services revenues received annually (averaged over the last 3 years) by the firm or branch office. Indicate Federal work (performed directly for the Federal Government, either as the prime contractor or subcontractor), non-Federal work (all other domestic and foreign work, including Federally-assisted projects), and the total. If the firm has been in existence for less than 3 years, see the definition for "Annual Receipts" under FAR 19.101.

12. Authorized Representative. An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

---

List of Disciplines (Function Codes)

---

<b>Code</b>	<b>Description</b>	<b>Code</b>	<b>Description</b>
01	Acoustical Engineer	32	Hydraulic Engineer
02	Administrative	33	Hydrographic Surveyor
03	Aerial Photographer	34	Hydrologist
04	Aeronautical Engineer	35	Industrial Engineer
05	Archeologist	36	Industrial Hygienist
06	Architect	37	Interior Designer
07	Biologist	38	Land Surveyor
08	CADD Technician	39	Landscape Architect
09	Cartographer	40	Materials Engineer
10	Chemical Engineer	41	Materials Handling Engineer
11	Chemist	42	Mechanical Engineer
12	Civil Engineer	43	Mining Engineer
13	Communications Engineer	44	Oceanographer
14	Computer Programmer	45	Photo Interpreter
15	Construction Inspector	46	Photogrammetrist
16	Construction Manager	47	Planner: Urban/Regional
17	Corrosion Engineer	48	Project Manager
18	Cost Engineer/Estimator	49	Remote Sensing Specialist
19	Ecologist	50	Risk Assessor
20	Economist	51	Safety/Occupational Health Engineer
21	Electrical Engineer	52	Sanitary Engineer
22	Electronics Engineer	53	Scheduler
23	Environmental Engineer	54	Security Specialist
24	Environmental Scientist	55	Soils Engineer
25	Fire Protection Engineer	56	Specifications Writer
26	Forensic Engineer	57	Structural Engineer
27	Foundation/Geotechnical Engineer	58	Technician/Analyst
28	Geodetic Surveyor	59	Toxicologist
29	Geographic Information System Specialist	60	Transportation Engineer
30	Geologist	61	Value Engineer
31	Health Facility Planner	62	Water Resources Engineer

**List of Experience Categories (Profile Codes)**

<b>Code</b>	<b>Description</b>	<b>Code</b>	<b>Description</b>
A01	Acoustics, Noise Abatement	E01	Ecological & Archeological Investigations
A02	Aerial Photography; Airborne Data and Imagery Collection and Analysis	E02	Educational Facilities; Classrooms
A03	Agricultural Development; Grain Storage; Farm Mechanization	E03	Electrical Studies and Design
A04	Air Pollution Control	E04	Electronics
A05	Airports; Nav aids; Airport Lighting; Aircraft Fueling	E05	Elevators; Escalators; People-Movers
A06	Airports; Terminals and Hangars; Freight Handling	E06	Embassies and Chanceries
A07	Arctic Facilities	E07	Energy Conservation; New Energy Sources
A08	Animal Facilities	E08	Engineering Economics
A09	Anti-Terrorism/Force Protection	E09	Environmental Impact Studies, Assessments or Statements
A10	Asbestos Abatement	E10	Environmental and Natural Resource Mapping
A11	Auditoriums & Theaters	E11	Environmental Planning
A12	Automation; Controls; Instrumentation	E12	Environmental Remediation
		E13	Environmental Testing and Analysis
B01	Barracks; Dormitories	F01	Fallout Shelters; Blast-Resistant Design
B02	Bridges	F02	Field Houses; Gyms; Stadiums
C01	Cartography	F03	Fire Protection
C02	Cemeteries ( <i>Planning &amp; Relocation</i> )	F04	Fisheries; Fish ladders
C03	Charting: Nautical and Aeronautical	F05	Forensic Engineering
C04	Chemical Processing & Storage	F06	Forestry & Forest products
C05	Child Care/Development Facilities	G01	Garages; Vehicle Maintenance Facilities; Parking Decks
C06	Churches; Chapels	G02	Gas Systems (Propane; Natural, Etc.)
C07	Coastal Engineering	G03	Geodetic Surveying: Ground and Air-borne
C08	Codes; Standards; Ordinances	G04	Geographic Information System Services: Development, Analysis, and Data Collection
C09	Cold Storage; Refrigeration and Fast Freeze	G05	Geospatial Data Conversion: Scanning, Digitizing, Compilation, Attributing, Scribing, Drafting
C10	Commercial Building ( <i>low rise</i> ); Shopping Centers	G06	Graphic Design
C11	Community Facilities	H01	Harbors; Jetties; Piers, Ship Terminal Facilities
C12	Communications Systems; TV; Microwave	H02	Hazardous Materials Handling and Storage
C13	Computer Facilities; Computer Service	H03	Hazardous, Toxic, Radioactive Waste Remediation
C14	Conservation and Resource Management	H04	Heating; Ventilating; Air Conditioning
C15	Construction Management	H05	Health Systems Planning
C16	Construction Surveying	H06	Highrise; Air-Rights-Type Buildings
C17	Corrosion Control; Cathodic Protection; Electrolysis	H07	Highways; Streets; Airfield Paving; Parking Lots
C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	H08	Historical Preservation
C19	Cryogenic Facilities	H09	Hospital & Medical Facilities
D01	Dams ( <i>Concrete; Arch</i> )	H10	Hotels; Motels
D02	Dams ( <i>Earth; Rock</i> ); Dikes; Levees	H11	Housing ( <i>Residential, Multi-Family; Apartments; Condominiums</i> )
D03	Desalinization ( <i>Process &amp; Facilities</i> )	H12	Hydraulics & Pneumatics
D04	Design-Build - Preparation of Requests for Proposals	H13	Hydrographic Surveying
D05	Digital Elevation and Terrain Model Development		
D06	Digital Orthophotography		
D07	Dining Halls; Clubs; Restaurants		
D08	Dredging Studies and Design		

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**List of Experience Categories (Profile Codes)**

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<b>Code</b>	<b>Description</b>	<b>Code</b>	<b>Description</b>
I01	Industrial Buildings; Manufacturing Plants	P09	Product, Machine Equipment Design
I02	Industrial Processes; Quality Control	P10	Pneumatic Structures, Air-Support Buildings
I03	Industrial Waste Treatment	P11	Postal Facilities
I04	Intelligent Transportation Systems	P12	Power Generation, Transmission, Distribution
I05	Interior Design; Space Planning	P13	Public Safety Facilities
I06	Irrigation; Drainage	R01	Radar; Sonar; Radio & Radar Telescopes
J01	Judicial and Courtroom Facilities	R02	Radio Frequency Systems & Shieldings
L01	Laboratories; Medical Research Facilities	R03	Railroad; Rapid Transit
L02	Land Surveying	R04	Recreation Facilities (Parks, Marinas, Etc.)
L03	Landscape Architecture	R05	Refrigeration Plants/Systems
L04	Libraries; Museums; Galleries	R06	Rehabilitation (Buildings; Structures; Facilities)
L05	Lighting (Interior; Display; Theater, Etc.)	R07	Remote Sensing
L06	Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)	R08	Research Facilities
M01	Mapping Location/Addressing Systems	R09	Resources Recovery; Recycling
M02	Materials Handling Systems; Conveyors; Sorters	R10	Risk Analysis
M03	Metallurgy	R11	Rivers; Canals; Waterways; Flood Control
M04	Microclimatology; Tropical Engineering	R12	Roofing
M05	Military Design Standards	S01	Safety Engineering; Accident Studies; OSHA Studies
M06	Mining & Mineralogy	S02	Security Systems; Intruder & Smoke Detection
M07	Missile Facilities (Silos; Fuels; Transport)	S03	Seismic Designs & Studies
M08	Modular Systems Design; Pre-Fabricated Structures or Components	S04	Sewage Collection, Treatment and Disposal
N01	Naval Architecture; Off-Shore Platforms	S05	Soils & Geologic Studies; Foundations
N02	Navigation Structures; Locks	S06	Solar Energy Utilization
N03	Nuclear Facilities; Nuclear Shielding	S07	Solid Wastes; Incineration; Landfill
O01	Office Buildings; Industrial Parks	S08	Special Environments; Clean Rooms, Etc.
O02	Oceanographic Engineering	S09	Structural Design; Special Structures
O03	Ordnance; Munitions; Special Weapons	S10	Surveying; Platting; Mapping; Flood Plain Studies
P01	Petroleum Exploration; Refining	S11	Sustainable Design
P02	Petroleum and Fuel (Storage and Distribution)	S12	Swimming Pools
P03	Photogrammetry	S13	Storm Water Handling & Facilities
P04	Pipelines (Cross-Country - Liquid & Gas)	T01	Telephone Systems ( <i>Rural; Mobile; Intercom, Etc.</i> )
P05	Planning (Community, Regional, Areawide and State)	T02	Testing & Inspection Services
P06	Planning (Site, Installation, and Project)	T03	Traffic & Transportation Engineering
P07	Plumbing & Piping Design	T04	Topographic Surveying and Mapping
P08	Prisons & Correctional Facilities	T05	Towers ( <i>Self-Supporting &amp; Guyed Systems</i> )
		T06	Tunnels & Subways



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**List of Experience Categories (Profile Codes)**

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<b>Code</b>	<b>Description</b>
U01	Unexploded Ordnance Remediation
U02	Urban Renewals; Community Development
U03	Utilities (Gas and Steam)
V01	Value Analysis; Life-Cycle Costing
W01	Warehouses & Depots
W02	Water Resources; Hydrology; Ground Water
W03	Water Supply; Treatment and Distribution
W04	Wind Tunnels; Research/Testing Facilities Design
Z01	Zoning; Land Use Studies

# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT-SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

### B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

5. NAME OF FIRM

6. TELEPHONE NUMBER

7. FAX NUMBER

8. E-MAIL ADDRESS

### C. PROPOSED TEAM

*(Complete this section for the prime contractor and all key subcontractors.)*

	(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V	PARTNER	SUBCONTRACTOR			
a.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
b.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.					<input type="checkbox"/> CHECK IF BRANCH OFFICE		

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

*(Attached)*

**E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT**

*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM

15. FIRM NAME AND LOCATION *(City and State)*

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

**19. RELEVANT PROJECTS**

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

a. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

b. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

c. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

d. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

e. (3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE  Check if project performed with current firm

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER
---	--------------------------------

21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

**23. PROJECT OWNER'S INFORMATION**

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
------------------	--------------------------	--------------------------------------

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

<b>a.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>b.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>c.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>d.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>e.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
<b>f.</b>	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE

**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10

**29. EXAMPLE PROJECTS KEY**

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1		6	
2		7	
3		8	
4		9	
5		10	

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**H. ADDITIONAL INFORMATION**

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30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

---

**I. AUTHORIZED REPRESENTATIVE**  
The foregoing is a statement of facts.

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31. SIGNATURE

32. DATE

33. NAME AND TITLE

# ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(If any)*

## PART II - GENERAL QUALIFICATIONS

*(If a firm has branch offices, complete for each specific branch office seeking work.)*

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED		4. DUNS NUMBER	
2b. STREET			<b>5. OWNERSHIP</b>			
2c. CITY			2d. STATE		2e. ZIP CODE	
6a. POINT OF CONTACT NAME AND TITLE			a. TYPE			
			b. SMALL BUSINESS STATUS			
6b. TELEPHONE NUMBER			6c. E-MAIL ADDRESS			7. NAME OF FIRM <i>(If block 2a is a branch office)</i>
8a. FORMER FIRM NAME(S) <i>(If any)</i>			8b. YR. ESTABLISHED		8c. DUNS NUMBER	

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
Other Employees						
<b>Total</b>						

<b>11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS</b> <i>(Insert revenue index number shown at right)</i>	<b>PROFESSIONAL SERVICES REVENUE INDEX NUMBER</b>				
	a. Federal Work		6. \$2 million to less than \$5 million		
	b. Non-Federal Work		7. \$5 million to less than \$10 million		
	<b>c. Total Work</b>		8. \$10 million to less than \$25 million		
		9. \$25 million to less than \$50 million			
		10. \$50 million or greater			

**12. AUTHORIZED REPRESENTATIVE**  
The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
c. NAME AND TITLE	

**Attachment F**

**Staffing Plan**



**Request for Proposals (RFP) - AE Services  
Hagerstown Multi-Use Sports and Events Facility**

\* List name, position and number of hours, as indicated. Include all key personnel listed in Attachment E. Add rows as needed.

**Preliminary Design and Engineering Services**

Preliminary Design
Site Development/Planning
Infrastructure Analysis
Environmental Analysis
Archeological Impact Studies
Geotechnical Analysis/Engineering
Traffic Studies (Pedestrian and Vehicular)
Analysis of Land Acquisition and Parking Needs
Value Engineering
Other, including Quality Assurance and Technical Assistance (Describe)
<b>Total Minimum Hours per Position</b>

Name	Position	Firm	Location													
																0.00
																0.00
																0.00
																0.00
																0.00
																0.00
																0.00
																0.00
																0.00
																0.00
																0.00
																0.00
<i>Total Hours per Phase</i>				0	0	0	0	0	0	0	0	0	0	0	0	0.00

A/E Personnel Cost (fully loaded inclusive of direct and indirect costs, background checks, travel, reimbursable and incidental expenses)  
Hourly rates listed will be used for additional services if necessary

**Attachment G**

**Sample Contract- Architect Agreement for Design Services**



**AGREEMENT**

**FOR**

**ARCHITECTURAL/ENGINEERING SERVICES**

**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN  
HAGERSTOWN, MARYLAND**

*Between the Maryland Stadium Authority and TBD*

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**State of Maryland**  
**Maryland Stadium Authority**  
**Standard Form of Agreement with Architects and Engineers**

**Project Title:** Proposed Multi-Use Sports and Events Facility in Hagerstown, Maryland

**MSA Project Number:** [insert]

**ARCHITECT AGREEMENT**

This Agreement (“**Agreement**”) is made this \_\_\_\_\_ day of \_\_\_\_\_, 2019 between the Maryland Stadium Authority (“**MSA**” or “**Owner**”), a body politic and corporate, and a unit in the Executive Branch of Maryland State Government (the “**State**”), and \_\_\_\_\_ (the “**Architect**”), whose principal place of business is \_\_\_\_\_.

**RECITALS**

- A. WHEREAS, the Architect has represented itself to be professionally qualified and having met the requirements of the Code of Maryland Regulations (**COMAR**) §21.12.04 or §21.12.05, as applicable; and having been fully informed as to the scope of the project and having read and examined the Request for Proposals (the “**RFP**”) issued by MSA on \_\_\_\_\_ and titled ‘Request for Proposals Architectural Services Proposed Multi-Use Sports and Events Facility in Hagerstown, Maryland,’ (the “**Project**”) and any addenda issued thereto; and
- B. WHEREAS, the City of Hagerstown has engaged MSA to oversee and manage a study of a certain site (the “**Project Site**”) for its suitability for the construction and development of the Project; and
- C. WHEREAS, MSA will approve a schedule (the “**Project Schedule**”) established by the Architect for the Project which shows that design and engineering services will be completed within the time frame established in the Architect’s Technical Proposal attached hereto as Exhibit 4; and
- D. WHEREAS, the parties mutually agree to enter into this negotiated agreement based upon the Scope Services set forth in the RFP attached hereto as Exhibit 3, and as described in this Agreement.

NOW, THEREFORE, the foregoing Recitals are incorporated by reference and made a part of this Agreement and under the terms and conditions set forth herein, the Parties agree as follows:

**ARTICLE 1  
DEFINITIONS**

1.1 For purposes of this Agreement, each of the following terms shall have the meaning specified for such term:

“**Agreement**” means this Architect Agreement, together with the exhibits attached hereto and made a part hereof, as the same may from time to time be amended or supplemented.

“**Architect**” means the architect identified in the first paragraph of this Agreement.

“**Architect Team**” means the Architect’s employees, consultants, and others either under contract with, or under the direct supervision of the Architect, and as set forth in Section 8.1 herein.

“**Basic Services**” has the meaning given in Article 6.

“**Client**” means the City of Hagerstown, Maryland.

“**CM**” means the Construction Manager who shall be selected by MSA for the Project.

“**COMAR**” means the Code of Maryland Regulations.

“**NTP**” means a Notice to Proceed issued by MSA to the Architect.

“**Owner**” means MSA.

“**Project**” has the meaning given in the Recitals.

“**Project Master Schedule**” means the schedule which includes dates, milestones, deliverables, time allocation, documentation, CM responsibilities and all other applicable matters related to the Project schedule as agreed to by MSA and the Architect.

“**Project Site**” has the meaning given in the Recitals

“**MSA**” means the Maryland Stadium Authority.

“**State**” means the State of Maryland.

## **ARTICLE 2 GENERAL PROVISIONS**

### **2.1 RELATIONSHIP**

The Architect accepts the relationship of trust and confidence established between it and the Owner by this Agreement and shall furnish its professional skill and judgment consistent with the standards of the profession and cooperate with the Owner, the Client, and the Owner's other consultants and contractors as applicable, in furthering the interests of the Owner throughout the duration of this Agreement. For clarity, Architect's status is that of a design professional, not fiduciary. The Architect shall furnish efficient business administration and management services as required herein and shall use its professional efforts to perform its services in an expeditious and economical manner consistent with the interests of the Owner. The Architect shall be an agent of the Owner to the extent, and only to the extent, required to properly perform its obligations under this Agreement. The Architect shall not represent or hold itself out to have any authority to act on behalf of or bind the Owner other than as specifically provided herein.

### **2.2 STANDARD OF CARE**

All services to be performed by the Architect with respect to this Agreement shall be provided in a manner consistent with the degree of care and skill usually exercised by architects experienced in projects of similar scope and in accordance with standards of care and skill expected of architects experienced in the design of projects similar to the Project and under the direction of architects and engineers licensed and duly qualified in the jurisdiction in which the Project is located.

Approval by the Owner of any material (including by way of example not limitation, drawings, plans and specifications) produced by the Architect, shall not relieve the Architect of its responsibility for the accuracy and completeness of such material. Nor does Owner's approval of any material relieve or exempt the Architect from its compliance with required, codes, ordinances, applicable regulations and laws; or professional standards of care and this Agreement.

### **2.3 ORDER OF DOCUMENT PRECEDENCE**

If there is any conflict among the Agreement documents, then the following order of precedence will govern:

- a. This Agreement, including all Exhibits and any amendments thereto,
- b. The Contract Affidavit;
- c. The RFP and subsequent addenda;
- d. The Architect's Proposal.

### **2.4 PERIOD OF PERFORMANCE**

The period of performance (the "**Term**") shall commence on the date identified in the NTP and terminate on the end date set forth therein. The NTP shall not be issued until the Agreement is signed by MSA following any required approvals, including approval of the MSA Board of Directors and the Board of Public Works, if such approval is required. The Agreement may be

extended at the sole discretion of MSA and at the prices quoted and accepted in the Architect's final price proposal.

## **2.5 PROJECT SCHEDULE**

The Architect and Owner hereby agree to the Project Schedule attached hereto as Exhibit 2. The Project Schedule will be incorporated and made a part of the Project Master Schedule. The Architect shall strictly adhere to the agreed upon time requirements set forth in the Project Master Schedule. There may be no adjustment to the Project Master Schedule unless agreed to in writing by both the Owner and the Architect.

## **2.6 CONSTRUCTION MANAGER**

The Architect's services may be provided in conjunction with the services of a CM if one is engaged by MSA.

# **ARTICLE 3 EMPLOYEES AND CONSULTANTS**

## **3.1 OWNER'S CONSULTANTS**

The Owner reserves the right to retain additional architects, consultants, engineers, contractors, or others (together "**Owner Consultants**"), for similar or dissimilar services as those provided by the Architect. In the Owner's sole discretion, it may require the Architect, who hereby agrees, to work in coordination and cooperation with such Owner Consultants. An Owner Consultant shall be responsible only to the Owner for their work and the performance of their respective agreements with the Owner. The Owner shall inform the Architect as soon as reasonably possible if it has engaged an Owner Consultant(s) and its role with respect to the Project.

## **3.2 CONSULTANT AGREEMENT WITH ARCHITECT.**

Consultant(s) engaged by the Architect ("**Architect Consultant**" and with Owner Consultants, "**Consultants**") shall be subject to the approval of the Owner, which approval shall not be unreasonably withheld. The Architect must bind every Architect Consultant - and will see that every Architect Consultant agrees to be bound - by the terms of this Agreement.

## **3.3 COMMUNICATIONS**

Communication by and with the Architect Consultant shall be through the Architect *unless* the Owner in its discretion deems it necessary to communicate directly with Architect Consultant, in which case Owner shall advise the Architect of the nature of any such direct communication.

## **3.4 ARCHITECT EMPLOYEES**

The Architect's services shall consist of those services performed by the Architect and the Architect's employees, agents, representatives, consultants, and others regardless of title or role, acting on the Architect's behalf (together, the "**Architect's Agent(s)**"). The Architect shall be responsible for the provision of all services in accordance with this Agreement, whether provided by the Architect or the Architect's Agents.

**ARTICLE 4**  
**BUILDING CODES, SYSTEM REQUIREMENTS & DEFECTS**

**4.1 BUILDING CODES AND LAWS**

The Architect's services shall comply with all applicable building codes, statutes, ordinances, laws, rules and regulations, including but not limited to the IBC/BOCA, Americans with Disabilities Act ("ADA"), Elevator/Escalator, Health, and NFPA/Life Safety codes, Mechanical, and Energy Conservation Codes, National Electrical Code, International Energy Conservation Code and ASHRAE standards (collectively the "Codes and Regulations"). The Architect shall develop its specifications and drawings to strictly meet or exceed applicable Codes and Regulations. The Architect shall coordinate approval of all plans with the Fire Marshal, Elevator and Health Code Officials.

**4.2 BUILDING SYSTEMS REQUIREMENTS**

The Architect shall incorporate the requirements of ANSI/ASHRAE 111-1988 or the most current approved version, Practices for Measurement, Testing, Adjusting, and Balancing of Building Heating, Ventilation, Air Conditioning, and Refrigeration Systems, into the construction specifications. The Architect shall address in the construction specifications the requirements of the contractor to provide detailed and comprehensive operations and maintenance manuals for all equipment and systems in an organized format.

**4.3 DEFECTS**

The Architect, at no cost to the Owner and upon notice or discovery, shall promptly correct any defective designs or specifications furnished by the Architect. The Architect shall promptly reimburse the Owner for damages, if any, to the extent caused by such defective designs or specifications. The Owner's or Client's (as applicable) approval, acceptance, use of the Project, or payment for all or any part of the Architect's services hereunder shall in no way amend or modify the Architect's obligation to correct defects, nor impair, amend or modify the Owner's rights under this Agreement.

**ARTICLE 5**  
**APPROVALS, MEETINGS & COMMUNITY RELATIONS**

**5.1 DESIGN DOCUMENTS FOR OWNER'S APPROVAL**

Basic Services shall include, upon the completion of each design phase, Architect's submission of drawings, specifications and other documents (together "**Design Phase Documents**"), to the Owner and to the Client for review, comment and approval as applicable. If Owner has engaged a CM, it shall also be provided with the Design Phase Documents for its information.

**5.2 GOVERNMENTAL APPROVALS**

Basic Services shall include the Architect's assistance with submitting and/or filing documents required for the review and/or approval of governmental authorities having jurisdiction over the Project.

### **5.3 COMMUNITY RELATIONS**

Basic Services shall include, upon the Owner's request at any time during the Term of this Agreement, the Architect's assistance and support in preparation of presentations and attendance at community or other meetings to discuss, advise, explain, and address questions and concerns with respect to the design and status of the Project. Meetings and presentations may involve various organizations, including but not limited to, governmental agencies, legislative bodies, community and civic associations, special interest groups and other groups identified by the Owner. The Architect shall assist the Owner with ways to address and if possible, mitigate community concerns. As needed, the Architect shall contribute articles regarding the Project to any newsletters Owner publishes and distributes to civic associations and key public officials.

### **5.4 MEETINGS**

Basic Services shall include Architect's attendance at meetings the Owner schedules (or the parties agree to in advance) and providing drawings, schedules and other documents depicting the current status of design. The parties shall discuss, review comments and resolve problems relating to design and other matters as needed.

5.4.1 The Architect shall record minutes of the meetings and distribute within seven days to all participants.

5.4.2 The Architect and appropriate Consultants are required to attend all relevant meetings.

## **ARTICLE 6 SCOPE OF ARCHITECT'S BASIC SERVICES**

### **6.1 BASIC SERVICES GENERALLY**

6.1.2 **Scope:** The Architect's Basic Services consist of those services described in this Article 6, Exhibits 3 and 4 (RFP and Proposals) and any other services specifically identified as Basic Services in this Agreement and shall include, without limitation, land surveys, geo-technical, structural, mechanical, civil, electrical and other engineering services necessary or appropriate for the Project.

6.1.3 The Architect shall collect all required information from the Client, local jurisdictions, and utility owners and operators;

6.1.4 Provide a preliminary assessment of Client's development objectives.

6.1.5 The Architect will be provided with any available existing land surveys, building plans, utility plans, and site maps (together "**Records**") which may be pertinent to the Project. However, no assurances are given that such Records are complete, up-to-date or accurate

regardless of how titled or dated. The Architect is responsible for verifying the accuracy and usefulness of any Records provided.

6.1.6 Existing Conditions. The Architect is responsible for investigation of existing site conditions (“**Site Conditions**”) and the analysis of the impact of those Site Conditions on design. It shall prepare land survey(s) that document all existing Site Conditions including but not be limited to topography, hazardous materials, roads, improvements, significant vegetation and natural features, existing utilities, boundaries, easements, and any applicable legal restrictions. The Architect shall verify all Site Conditions during the design of the Project to confirm its findings and expected impact on design.

The Architect shall advise the Owner in writing: (a) if the Architect believes that the existing conditions or improvements do not conform to any as-built documentation provided to the Architect; or (b) if the Architect believes that further testing or inspections should be conducted by the Owner.

6.1.7 The Architect shall order electrical load tests and as necessary, coordinate with the Client and take all appropriate action with respect to the disruption of utilities and other such services to all buildings so as to minimize or avoid damage or interference with the normal use of the buildings and business invitees.

## **6.2 INTERIOR DESIGN**

The Architect shall provide interior design and other similar services required for or in connection with the selection of furnishings and related equipment.

## **6.3 CONSTRUCTABILITY AND MAINTENANCE**

The Architect shall take into consideration the Client’s needs, resources, and known limitations (i.e. time, space, and financial) in terms of design construction and the maintenance requirements for the completed Project. The Architect shall avoid specifying materials that would require replacement from unique or sole sources.

## **6.4 GREEN BUILDING STANDARDS**

The Architect's design of the Project shall include the elements necessary for the Project to meet or, to the extent feasible, exceed the Green Building Standards in effect as of the commencement date in the NTP. The “Green Building Standards” shall mean the State of Maryland’s and the Client’s required standards regarding energy savings, resource conservation, storm water management, environmental site design, renewable energy, and any other sustainability strategies to achieve budgetary and life-cycle cost savings and/or health benefits for building occupants. If there is a conflict between the Green Building Standards of the State of Maryland and the Client, the Architect shall notify the Owner of such conflict and the Owner shall determine which Green Building Standard to apply.

## **6.5 COPIES**

The Architect shall furnish the Owner with physical copies (in such quantities as are reasonably requested by the Owner) and electronic copies of the documents prepared pursuant to section 5.1 at the end of each design phase. The Architect shall also provide all additional copies required by

any agency performing permit, code compliance or other reviews as necessary to facilitate the work of the reviewing agency pursuant to Section 5.2.

## **ARTICLE 7 PRELIMINARY DESIGN PHASE**

### **7.1 SITE USE AND IMPROVEMENTS**

The Architect shall review with the Owner the proposed Project Site, use and improvements; selection of building materials, systems and equipment; and methods of Project delivery.

### **7.2 ALTERNATIVE APPROACHES**

The Architect shall provide the Owner with conceptual drawings of at least three (3) alternative approaches to design and construction; and review these with the Owner and the Client.

### **7.3 DOCUMENTS**

Based upon the conceptual design selected by the Client, and the Project Master Schedule and construction cost requirements verified and agreed upon, the Architect shall prepare, preliminary design documents consisting of drawings, outline specifications and other documents (together “**Preliminary Design Documents**”) illustrating the scale and relationship of Project components. Preliminary Design Documents, the purpose of which is to provide Owner and/or a CM adequate information to reasonably estimate total Project construction costs, shall be submitted to Owner for its approval. The Architect will make such adjustments or modifications as Owner may require.

### **7.4 EXISTING CONDITIONS**

The Architect shall comply with Section 6.1.5.

## **ARTICLE 8 PERSONNEL**

### **8.1 PROJECT STAFFING**

Except as hereinafter provided, once approved by Owner, changes to the Architect’s team (the “**Architect Team**”) are prohibited without Owner’s written authorization. The Architect’s Team (shall be that which is shown on the staffing plan (the “**Staffing Plan**”) attached hereto as Exhibit 5. There shall be no deviation from the Staffing Plan including increases or decreases to staff without Owner’s prior written consent. The foregoing consent requirement notwithstanding, minor changes in staff which do not involve Key People (as defined below), may occur without Owner’s prior written consent conditioned upon there being no increase in cost to the Owner as a result thereof.

Each request for a staff change shall be accompanied by a resume and qualification package with respect to the proposed new staff member. Costs associated with additional staffing, unless required due to circumstances beyond Architect’s control and consented to by Owner in writing,



shall be the sole responsibility of Architect. Additional staffing costs for which Owner has agreed to pay shall be paid in accordance with Article 13 (payments & basis of compensation).

## **8.2 KEY PEOPLE**

Key People are principals and employees of the Architect who the Owner desires be assigned to the Project for the duration of the Agreement.

8.2.1 The Staffing Plan shall include the names of Key People, the proposed role of each person and as applicable, the planned division of responsibilities, their direct personnel expense, and the amount of time each person will be dedicated to the Project.

8.2.2 Key People may not be substituted without the prior written consent of the Owner.

8.2.3 If the Owner in its sole discretion determines that any Key Person is not performing satisfactorily, the Owner shall have the right to direct Architect to replace the individual(s). The Architect shall provide the Owner with resumes of possible replacements and the Owner shall have the opportunity, but not the obligation to interview replacement candidates.

8.2.4 The terms and conditions of this Article shall apply to any Architect Consultant who shall also be required to obtain the Owner's written consent prior to assigning Key People to the Project. The Architect shall include in its Consultant contracts provisions in substantially the same form as those set forth in this Article.

## **ARTICLE 9 OWNER'S RESPONSIBILITIES**

### **9.1 CONSULT WITH THE ARCHITECT**

The Owner shall consult with the Architect regarding requirements for the Project, including the Owner's contemplated objectives, schedule, constraints and criteria, including square footage, usage, space relationships (i.e. adjacencies), flexibility, expandability, special equipment, systems, and site requirements.

### **9.2 BUDGET UPDATE**

The Owner shall establish and update the budget based on consultation with the Architect and the Client (and the CM if applicable), which shall include the construction cost, the construction cost limit, the Owner's other costs, and reasonable contingencies related to all of these costs.

### **9.3 OWNER'S REPRESENTATIVE**

The Owner shall designate a representative authorized to act on the Owner's behalf with respect to the Project. The Owner's Representative is identified on Exhibit 6 attached hereto and a made a part hereof.

### **9.4 LEGAL DESCRIPTIONS**

Pursuant to, and subject to Section 6.1.2, the Owner shall furnish all available surveys describing physical characteristics, legal limitations and utility locations for the Project Site and if available, a written legal description. The surveys and legal information may include, as applicable, grades and lines of streets, alleys, pavements and adjoining property and structures; adjacent drainage;

rights-of-way, flood plains, restrictions, easements, encroachments, zoning, deed restrictions, boundaries and contours of the site; locations, dimensions and necessary data pertaining to existing buildings, other improvements and trees; and information concerning available utility services and lines, both public and private, above and below grade, including inverts and depths. All the information on the survey shall be referenced to a Project benchmark.

#### **9.5 INSURANCE VERIFICATION**

The Architect and any Architect Consultant shall comply with all requests by the Owner to furnish insurance certificates, endorsements, policies and declaration pages relating to insurance required in connection with this Agreement. Failure to provide insurance of the type, coverage amount or with terms required herein, unless otherwise consented to in writing by the Owner, shall be an Event of Default.

#### **9.6 PAYMENT VERIFICATION**

The Architect shall provide any and all documents required by the Owner, in Owner's sole discretion, to verify Architect's application for payment. Architect's failure to comply with document requirements shall be cause for delay in payment by the Owner or the State.

#### **9.7 APPROVALS**

The Owner shall furnish information and services required of it and shall render approvals and decisions as expeditiously as possible for the orderly progress of the Architect's services and work of the Architect Consultant.

#### **9.8 COMMUNICATION**

The Owner will furnish the Architect with copies of materials by and between the Owner and its CM or its Consultants that are pertinent to the Project but which the Architect may not have. The Owner may also elect to have the CM or its Consultants communicate directly with the Architect.

### **ARTICLE 10 OWNERSHIP AND USE OF ARCHITECT'S DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS**

#### **10.1 DOCUMENTS**

All documents and materials including, but not limited to, software, reports, drawings, studies, specifications, estimates, tests, maps, photographs, designs, graphics, mechanical, artwork computations, reports, surveys, data, and Computer-Aided Design/Drafting (CADD) System disks/tapes (together "**Deliverables**") which are prepared or furnished by the Architect and form a part of its services for the purpose of this Agreement shall, upon completion of the deliverables, become the sole property of Owner and may not be copyrighted by the Architect or its Consultants.

10.1.1 Owner shall have the right to use the same without restriction and without compensation to the Architect other than as specifically provided for herein.

10.1.2 In the event Owner reuses any of the final working drawings and specifications for the construction of another project by Owner through another licensed professional, the Architect's name shall be removed therefrom, and another licensed professional shall assume full responsibility for the reuse of such drawings and specifications. The Architect shall have no liability or responsibility arising from such reuse. Nothing contained herein shall prohibit the Architect from retaining a copy of the above documents.

10.1.3 The Architect agrees that at all times during the term of this Agreement and thereafter, work created as a Deliverable under this Agreement, and services performed under this Agreement shall be "works made for hire" as that term is interpreted under U.S. copyright law. To the extent that any products created as a Deliverable under this Agreement are not works made for hire for the Owner, the Architect hereby relinquishes, transfers, and assigns to the Owner all of its rights, title, and interest, (including all intellectual property rights) to all such products created under the Agreement.

10.1.4 The Architect shall report to the Owner, promptly and in written detail, each notice or claim of copyright infringement received by the Architect with respect to all data delivered under this Agreement; and agrees to indemnify and hold harmless the State, the Owner, and the Client for any claim of copyright infringement in the use of any works made for hire which are either determined by a court of competent jurisdiction to be the property of another, or agreed to in any manner by the Architect to be the property of another.

10.1.5 The Architect shall not affix any restrictive markings upon any data, documentation, or other materials provided to the Owner, the State or the Client hereunder and if such markings are affixed, the Owner shall have the right at any time to modify, remove, obliterate, or ignore such warnings.

## **10.2 OWNERSHIP**

The data used in compiling, and the results of, any tests, surveys or inspections at the Project Site, as well as all photographs, drawings, specifications, schedules, data processing output, computations, studies, audits, reports, models and other items of like kind prepared by or with the assistance of the Architect, its employees and Consultants, shall be the property of the Owner.

## **10.3 RELEASE OF PROJECT INFORMATION; CONFIDENTIALITY**

Except as set forth in Article 4, the Architect shall not issue press releases, engage in dialogues, participate in interviews with any type of media (including but not limited to, print, television, radio or internet), or address community members for the purpose of answering questions or communicating information regarding the Project without the prior written consent of the Owner. The contents and substance of all discussions and communications, oral or written, between the Owner, the Client and the Architect shall be kept confidential by the Architect and shall not be disclosed by the Architect to any persons or entities unaffiliated with the Project, including, without limitation, governmental authorities and community groups, without the prior written consent of the Owner. The Architect shall obtain a similar agreement from firms, consultants and others employed by it in the form attached hereto as Exhibit 7. The Owner reserves the right to release all information and determine the form, content and timing of its release. This requirement shall survive the expiration of this Agreement.

#### **10.4 ARCHITECT'S USE IN PROMOTIONAL MATERIALS**

The Architect shall have the right, with the prior written consent of the Owner, to include representations of the design of the Project, including photographs of the exterior and interior, among the Architect's promotional and professional materials. The Architect's materials shall not include the Owner's confidential or proprietary information if the Owner has previously advised the Architect in writing of the specific information considered by the Owner to be confidential or proprietary.

### **ARTICLE 11 COMPLIANCE WITH LAWS AND REGULATIONS**

#### **11.1 EMPLOYMENT LAWS; LICENSING REQUIREMENTS**

The Architect shall comply, at its own expense, with the provisions of all laws and regulations applicable to the Architect as an employer of labor or otherwise. The Architect shall further comply, at its own expense, with all laws and regulations, including, but not limited to, licensing requirements, pertaining to its professional status and that of its employees, partners, associates, consultants under subcontracts and others employed to render the services under this Agreement.

#### **11.2 NON-DISCRIMINATION IN EMPLOYMENT**

The Architect agrees: (a) not to discriminate in any manner against an employee or applicant for employment because of race, color, religion, creed, age, sex, marital status, national origin, ancestry, or physical or mental handicap unrelated in nature and extent so as reasonably to preclude the performance of such employment; (b) to include a provision similar to that contained in clause (a), above, in any subconsultant agreement except a subconsultant agreement for standard commercial supplies or raw materials; and (c) to post and to cause subconsultants to post in conspicuous places available to employees and applicants for employment, notices setting forth the substance of this clause.

#### **11.3 MINORITY BUSINESS ENTERPRISES**

The Architect shall make all reasonable efforts to comply with the Minority Business Enterprise ("MBE") participation goal pursuant to Title 14, Subtitle 3 of the State Finance and Procurement Article of the Annotated Code of Maryland. The name, address, percentage and dollar value of each State of Maryland Department of Transportation certified MBE that the Architect intends to use on the Project is attached hereto as Exhibit 8. The Architect's MBE Affidavit is attached hereto as Exhibit 8.

#### **11.4 AMERICANS WITH DISABILITIES ACT**

The Project shall be designed in accordance with the Americans with Disabilities Act ("ADA"). If applicable, the Architect shall appoint an ADA task force during the design process. The task force shall meet on a regular basis and provide comments regarding project ADA compliance to the Owner and Client if applicable.

**ARTICLE 12**  
**INSURANCE REQUIREMENTS AND INDEMNIFICATION**

**12.1 INSURANCE REQUIREMENTS**

Per the requirements of the RFP, Architect shall maintain, at its own expense, the following insurance coverages, insuring the Architect, its employees, agents and designees, and the Indemnitees (as hereinafter defined), which insurance shall be placed with insurance companies rated "A-VII" or better by A.M. Best & Company and lawfully authorized to do business in the State of Maryland:

- (a) Architect's Professional Liability Insurance in the amount of \$2 million total (including contractual liability coverage, if available, with all coverage retroactive to the earlier of the date of this Agreement or the commencement of Architect's services in relation to the Project), said coverage to be maintained for a period of two (2) years after the date of final payment or the date of final completion of the Project, whichever is later.
- (b) Comprehensive General Liability Insurance in the amount of Two Million Dollars (\$2,000,000) including coverage for blanket contractual liability, broad form property damage and personal injury, and on-going operations and completed operations.
- (c) Umbrella Liability Insurance in the amount of Two Million Dollars (\$2,000,000) following the underlying Comprehensive General Liability Insurance, Commercial Automobile Liability Insurance and Employers' Liability Insurance.
- (d) Commercial Automobile Liability Insurance, including owned, hired and non-owned vehicles, if any, in the amount of One Million Dollars (\$1,000,000) covering bodily injury and property damage.
- (e) Workers Compensation Insurance in the amount required under and in accordance with the State of Maryland's statutory requirements and Employers' Liability Insurance with limits not less than One Million Dollars (\$1,000,000) per accident.

All insurance policies shall provide that they cannot be cancelled, materially changed or non-renewed unless the Owner, Indemnitees and Professional Liability Indemnitees (if available) are given at least thirty (30) days prior written notice. All deductibles on any policy of insurance to be purchased by Architect hereunder shall be borne by the Architect.

## **12.2 ADDITIONAL INSURED**

Architect shall insure specifically the indemnity set forth in Section 12.5 below and shall include the Indemnitees (as defined in subsection 12.5.1) as additional insureds by causing amendatory riders or endorsements to be attached to the insurance policies described above in Article 12. Neither the Owner nor any of the other Indemnitees shall be an additional insured on the professional liability insurance described above in subsection 12.1(a). The insurance coverage afforded under these policies shall be primary to any insurance (or self-insurance) carried independently by the Indemnitees. Said amendatory riders or endorsements shall indicate that, as respects the Indemnitees, there shall be severability of interest under said insurance policies for all coverages provided under said insurance policies. The following language shall be specifically included as an endorsement under the Architect's Comprehensive General Liability policy:

"The coverage afforded to the additional insured under this policy shall be primary insurance. The amount of the Company's liability under this policy shall not be reduced by the existence of any other insurance. It is further agreed that the coverage afforded to the additional insured shall not apply to the sole negligence of the additional insured."

## **12.3 CONSULTANTS INSURANCE**

The Architect shall require that its consultants maintain, at their own expense, the insurance coverages set forth in Section 11.1, or other amounts as agreed in writing by the Owner.

## **12.4 CERTIFICATE**

Architect shall submit valid certificates in form and substance satisfactory to Owner evidencing the effectiveness of the foregoing insurance policies along with copies of the amendatory riders to any such policies to Owner for Owner's approval before Architect commences the rendition of any services hereunder.

## **12.5 INDEMNIFICATION**

12.5.1 The Architect hereby agrees to indemnify, defend and hold harmless the Owner, the Client, and their respective members, directors, officers, authorized agents, employees and designees (collectively, the "Indemnitees") from and against any and all losses, claims, demands, liabilities, actions, suits, injuries, damages, judgments, costs and expenses (including, without limitation, reasonable attorneys' fees as and when incurred) asserted by any persons (including, but not limited to, any one or more of the Indemnitees) that are caused by or arise from any negligent acts, errors, or omissions of the Architect, its authorized agents, licensees, employees, and contractors occurring in connection with the performance or lack of performance by the Architect of its duties and obligations under or pursuant to this Agreement. The foregoing indemnity shall be limited to the amount of the insurance policies required under subsections 12.1(b), 12.1(c), and 12.1(d), as applicable.

12.5.2 With respect to professional liability for design services covered under Architect's professional liability insurance policy, the Architect hereby agrees to indemnify and hold harmless the Owner and the Client and their respective members, directors, officers, authorized agents, employees and designees (collectively the "Professional Liability Indemnitees") from and against

all losses, claims, demands, liabilities, actions, suits, injuries, damages, judgments, costs and expenses (including, without limitation, reasonable attorneys' fees) caused by the negligent performance or lack of performance by the Architect, or any of the Architect's consultants, of their duties and obligations under or pursuant to this Agreement.

## **12.6 TORT CLAIMS ACTS**

The Architect agrees, for itself and for its insurers, that neither Architect nor its insurers may raise or use any immunity from or limitation of liability for torts (including under the Maryland Tort Claims Act and/or the Maryland Local Government Tort Claims Act) in the adjustment of claims or in the defense of suits against the Owner or the Client, unless requested by the Owner.

## **ARTICLE 13 PAYMENTS AND BASIS OF COMPENSATION**

### **13.1 PAYMENTS**

Subject to the source of funds Client identifies for payment of services under this Agreement, payments shall be processed as follows:

13.1.1 If the Client is directly funding the Architect's services, MSA shall make payments directly to the Architect within thirty (30) days after the Owner's receipt and approval of (a) the Architect's detailed monthly statement, lien waivers or releases; (b) a certificate duly executed by Architect covering that portion of the services completed on the Project prior to the date of said certificate; and (c) a notarized updated MBE Summary indicating the participation of MBEs on the Project for architectural services in accordance with the form attached hereto as Exhibit 8.

13.1.2 If the source of funds is a grant from the State's annual Capital Bond Bill (the "**Bond Bill**"), Architect invoices shall be submitted to MSA for review. MSA will forward reviewed invoices to the Maryland Department of General Services ("**DGS**"), the agency delegated by the Board of Public Works to ensure proper use of Bond Bill funds. The Architect must comply with all requests from MSA and DGS for additional documentation or information prior to DGS' authorization of payment.

13.1.3 All Payments are subject to the State's payment provisions. Subject to Section 17.10 herein, payments to the Architect shall be made no later than 30 days after MSA's receipt of the documents required pursuant to subsection 13.1.1, or DGS' *approval* of Architect's invoice in accordance with subsection 13.1.2.

3.1.4 Charges for late payment of invoices, other than as prescribed by Title 15, Subtitle 1 of the State Finance and Procurement Article, Annotated Code of Maryland, or by the Public Service Commission of Maryland with respect to regulated utilities as applicable, are prohibited.

### **13.2 INITIAL PAYMENT**

There shall be no initial payment made upon execution of this Agreement.

### **13.3 TOTAL COMPENSATION**

Architect shall be compensated for the phased Basic Services actually performed as provided in Section 13.4. Payment for each phased Basic Service will be the total amount set forth in the description of Architect's compensation (the Description of Architect's Compensation) attached hereto as Exhibit 9,

### 13.4 BASIC SERVICES

Basic Services shall include all services described in Article 5, and any other services specifically identified in this Agreement as included with Basis Services. The total of all payments to the Architect for Basic Services shall not exceed the sum stipulated in the Description of Architect's Compensation on Exhibit 9 attached hereto and made a part hereof, unless approved in advance by Owner in writing.

13.4.1 Phased Basic Services: Progress payments for Basic Services shall be made as set forth in the following amounts:

Work Item #1	\$
Work Item #2	\$
Work Item #3	\$
Work Item #4	\$
Work Item #5	\$
<hr/>	
<b>Total Basic Compensation:</b>	<b>\$</b>

### 13.5 CHANGE IN PROJECT SCOPE

In the event of a material change in the scope of the Project or the scope of the Architect's services, the Architect shall continue to perform in accordance with the terms of this Agreement during the course of any renegotiation of the Architect's compensation hereunder.

### 13.6 REIMBURSABLE EXPENSES

13.6.1. The Architect shall be reimbursed for all reasonable, allowable and allocable direct costs and expenses incurred by the Architect in the performance of this Agreement, subject to the terms and conditions set forth in the RFP, this Agreement, and the approval of the Owner, and shall include but not be limited to: :

13.6.2 The *actual costs* of reproducing and delivering (via USPS, messenger or overnight delivery services) project documents to MSA and other State agencies that will issue permits for the Project or for required review submissions.

13.6.3 Transportation expenses are included with Basic Services Therefore, reimbursement will only apply to transportation expenses incurred by the Architect in connection to travel that is (a)over and above what is included in Basic Services; and (b) requested by, or with the prior approval of MSA. Reimbursement shall be at the standard State rate of travel.



13.6.5 Such other expenses incurred in connection with the Project with the prior written authorization by the Owner.

13.6.6 Reimbursable expenses shall be documented with receipts and highlighted in expense reports if combined with non-reimbursable expense. Any reimbursable expenses in excess of \$1,000 requires prior written approval from the Owner.

13.6.7 The Architect's projected itemized schedule of reimbursable expenses is attached hereto as Exhibit 4.

### **13.7 NON-REIMBURSABLE EXPENSES**

13.7.1 The Architect shall not be reimbursed for indirect or miscellaneous office expenses such as: (i) secretarial services; (ii) preparation and review of billings; (iii) in-house messenger services; (iv) employee overtime costs; (v) long distance telephone or other communication services between the Architect and MSA or between members of the Architect's Team; and (vi) cost to reproduce and deliver documents between the Architect Team's offices.

13.7.2 All photocopying charges shall be at cost, and non-reimbursable expenses may not be recovered indirectly through other charges. \

### **13.8 TAXES; WITHHOLDING**

13.8.1 Owner shall not withhold federal, State, and local taxes and FICA taxes, if any, from payments made pursuant to this Agreement.

### **13.9 ARCHITECTS ACCOUNTING RECORDS**

Records of Architect's expenses and hours pertaining to the Project shall be kept in accordance with generally accepted accounting principles, which principles shall be consistently applied. Said records shall be available to the Owner or its authorized representative for inspection and copying during regular business hours during the term of this Agreement and for three (3) years after the date of the final payment under this Agreement.

## **ARTICLE 14 AUDITS BY OWNER**

### **14.1 ACCESS TO ARCHITECT'S BOOKS AND RECORDS**

The Architect agrees that the Owner or any of its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement have access to and the right to examine any directly pertinent books, documents, papers, and records of the Architect involving transactions related to this Agreement.

### **14.2 ACCESS TO CONSULTANT'S BOOKS AND RECORDS**

The Architect further agrees to include in all its consultant agreements hereunder a provision to the effect that the consultants agree that the Owner or any of its duly authorized representatives shall, until expiration of three (3) years after final payment under the consultant agreements, have access to and the right to examine any directly pertinent books, documents, papers, and records of such consultants, involving transactions related to the Project.

## **ARTICLE 15 DISPUTE RESOLUTION**

### **15.1 DISPUTES**

In the event of any dispute or controversy of any nature whatsoever, the Architect shall strictly abide by the Owner's decision for the purpose of the prompt and uninterrupted continuation of the performance of its duties, obligations and services under this Agreement; but the Architect may submit to Owner a written exception to any decision of the Owner within ten (10) days after receipt of such decision stating the basis of its exception and reserving the right to file a claim against the Owner after completion of the Project for additional compensation or damages. The continued performance by the Architect of its duties, obligations and services under this Agreement shall not operate as a waiver of any such claim, nor shall it be prejudicial to the Architect's rights, hereby reserved, to have such exception and claim later adjudicated by a court of competent jurisdiction after completion of the Project.

### **15.2 CONTINUED PERFORMANCE AND PAYMENT**

Pending resolution of any dispute, the Architect shall continue to perform its obligations under this Agreement and the Owner shall continue to make payments of all amounts due the Architect that are not in dispute.

### **15.3 NO ARBITRATION**

No dispute or controversy under this Agreement shall be subject to binding arbitration.

## **ARTICLE 16 TERMINATION, POSTPONEMENT OR SUSPENSION**

### **16.1 TERMINATION FOR CONVENIENCE**

Termination for Convenience: The performance of work under this Agreement may be terminated by the Owner with or without cause, upon ten (10) days written notice to the Architect whenever the Owner shall determine that such termination is in the best interest of the State or the Owner. The Owner will pay all reasonable costs associated with this Agreement that the Architect has incurred up to the date of termination and all reasonable costs associated with termination of the Agreement. However, the Architect shall not be reimbursed for any anticipatory profits which have not been earned up to the date of termination. Termination hereunder, including the determination of the rights and obligations of the parties, shall be governed by the provisions of COMAR 21.07.01.12A(2).

## **16.2. TERMINATION FOR DEFAULT**

If the Architect fails to fulfill its obligations under this Agreement properly and on time, or otherwise violates any provision of the Agreement, the Owner may terminate this Agreement by written notice to the Architect. The notice shall specify the acts or omissions relied on as cause for termination. All finished or unfinished supplies and services provided by the Architect, shall at the Owner's option, become the Owner's property. The Owner shall pay the Architect fair and equitable compensation for satisfactory performance prior to receipt of notice of termination, less the amount of damages caused by Architect's breach. If the damages are more than the compensation payable to the Architect, the Architect will remain liable after termination and the Owner can affirmatively collect damages. Termination hereunder, including the determination of the rights and obligations of the parties, shall be governed by the provisions of COMAR 21.07.01.11(B).

## **16.3 SUSPENSION OF WORK**

The Owner may unilaterally order the Architect in writing to suspend, delay, or interrupt all or any art of the work for any period of time as he may determine to be appropriate for the convenience of the Owner or the State. (*COMAR 21.07.01.16*)

# **ARTICLE 17 MISCELLANEOUS PROVISIONS**

## **17.1 GOVERNING LAW**

This Agreement shall be governed by the laws of the State of Maryland.

## **17.2 SUCCESSORS AND ASSIGNS**

The Owner and the Architect, respectively, bind themselves, their partners, successors, assigns and legal representatives to the other party to this Agreement and to the partners, successors, assigns and legal representatives of such other party with respect to all covenants of this Agreement.

## **17.3 ASSIGNMENTS**

The Architect shall not assign, encumber, pledge, sublet or transfer any interest in this Agreement without the written consent of the Owner. The Architect shall notify the Owner immediately in writing of any significant changes in its ownership or organization or in the ownership or organization of any of the joint venturers comprising the Architect. Except for an assignment by Owner of any of its rights under this Agreement to the State of Maryland, or any agency or department thereof, or an entity supplying funds for the construction of the Project, the Owner shall not assign, encumber, pledge, sublet or transfer any interest in this Agreement without the written consent of the Architect, which consent shall not be unreasonably withheld or delayed. When requested by an entity supplying funds for the construction of the Project, including any lender, the Architect shall enter into a reasonable and customary "Agreement to Complete".

## **17.4 REMEDIES CUMULATIVE**

The remedies provided in this Agreement shall be in addition to, and not in substitution for, the rights and remedies which would otherwise be vested in either party hereto, under law or at equity, all of which rights and remedies are specifically reserved by each party. The failure to exercise any remedy provided for in this Agreement shall not preclude the resort to any such remedy for future breaches by the other party, nor shall the use of any special remedy hereby provided prevent the subsequent or concurrent resort to any other remedy which by law or equity would be vested in either party for the recovery of damages or otherwise in the event of a breach of any of the provisions of this Agreement to be performed by the other party.

**17.5 CONTRACT AFFIDAVIT:**

Simultaneously with the execution of this Agreement, the Architect shall execute, seal and deliver to the Owner the signed Contract Affidavit attached hereto as Exhibit 11.

**17.6 EXHIBITS:**

**ALL EXHIBITS ATTACHED HERETO ARE HEREBY INCORPORATED AND MADE A PART OF THIS AGREEMENT.**

**17.7 NON-HIRING OF EMPLOYEES**

No employee of the State of Maryland or any unit thereof, whose duties as such employee include matters relating to or affecting the subject matter of this Agreement, shall, while so employed, become or be an employee of the party or parties hereby contracting with the State of Maryland or any unit thereof.

**17.8 PERSONAL LIABILITY OF PUBLIC OFFICIALS:**

In carrying out any of the provisions of the Agreement, or in exercising any power or authority granted to them by or within the scope of this Agreement, there shall be no personal liability upon the members of the Maryland Stadium Authority or any employees or representatives of the Owner, either personally or as officials of the State, it being understood that in all such matters they act solely as agents and representatives of the Owner.

**17.9 POLITICAL CONTRIBUTION DISCLOSURE**

Statement of Political Contributions. Contractor shall comply with the Election Law Article, Title 14 Subtitle 1, Md. Code Ann., which requires that a person doing public business with the State, shall file a statement with the State Board of Elections as provided in section 14-104. Generally, this applies to every person that enters into contracts, leases, or other agreements with the State of Maryland or a political subdivision of the State, including its agencies, during a calendar year in which the person receives in the aggregate \$200,000 or more, shall file with the State Board of Election a statement disclosing contributions in excess of \$500 made during the reporting period to a candidate for elective office in any primary or general election.

**17.10 MULTI-YEAR CONTRACTS CONTINGENT UPON APPROPRIATION**

If the General Assembly fails to appropriate funds or if funds are not otherwise made available by the Client for continued performance for any fiscal period of this Agreement succeeding the first fiscal period, this Agreement shall be cancelled automatically as of the beginning of the fiscal year for which funds were not appropriated or otherwise made available; provided, however, that this will not affect either the Owner's rights or the Architect's rights under any termination clause in

this Agreement. The effect of termination of the Agreement hereunder will be to discharge both the Architect and the Owner from future performance of the Agreement, but not from their rights and obligations existing at the time of termination. The Architect shall be reimbursed for the reasonable value of any non-recurring costs incurred but not amortized in the price of the Agreement. The Owner shall notify the Architect as soon as it has knowledge that funds may not be available for the continuation of this Agreement for each succeeding fiscal period beyond the first.

#### **17.11 INTENTIONALLY DELETED**

#### **17.12 GOVERNMENTAL IMMUNITIES**

No term or provision in this Agreement, shall waive, limit, or otherwise affect in any way the limitations, immunities or notice requirements applicable to claims against MSA as unit of the State of Maryland.

#### **17.13 INDEPENDENT CONTRACTOR STATUS**

The Architect is an independent Contractor and neither the Architect nor its employees, agents or representatives shall be considered employees, agents or representative of the State or of MSA. Nothing contained in this Agreement is intended or should be construed as creating the relationship of co-partners, joint venturers or an association between the State or MSA and the Architect.

#### **17.14 NOTICES**

All notices required or permitted to be given by one party to the other hereunder shall be in writing and shall be sent by certified U.S. Mail or commercial messenger receipt service, or shall be hand-delivered, as set forth in Exhibit 12. Either party may change its address for the purpose of receiving notices under this Agreement by written notice to the other party in the manner set forth above.

#### **17.15 INTEGRATED AGREEMENT**

This Agreement and the RFP included in Exhibit 3 (unless modified by this Agreement) represent the entire and integrated agreement between the Owner and the Architect and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both Owner and Architect.

#### **17.16 HAZARDOUS MATERIALS**

Unless otherwise provided in this Agreement, the Architect and Architect's consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials in any form at the Project site, including but not limited to asbestos, asbestos products, polychlorinated biphenyl (PCB) or other toxic substances; provided, however, the Architect shall report to the Owner the presence and location of any hazardous material that an architect of similar skill and expertise should have noticed.

**17.17 OWNER APPROVAL**

Whenever provision is made herein or in the contract documents for the approval or consent of Owner, or that any matter be to Owner's satisfaction, such approval or consent shall be made by Owner in its sole discretion and determination unless another standard is expressly stated in that specific provision.

**17.18 HEADINGS**

The Article and Section headings contained in this Agreement are solely for convenience of reference and shall not affect the meaning or interpretation of this Agreement or provision thereof.

**17.19 TIME OF THE ESSENCE**

Time is of the essence in the performance of the obligations of the Architect under this Agreement.

**This Agreement entered into as of the day and year first written above.**

**WITNESS:**

**OWNER:**

Maryland Stadium Authority

\_\_\_\_\_

\_\_\_\_\_

Michael J. Frenz, Executive Director

**WITNESS:**

**ARCHITECT:**

\_\_\_\_\_

\_\_\_\_\_

Name, Title

Approved as to form and legal sufficiency this  
\_\_\_\_\_ day of \_\_\_\_\_, 2019:

\_\_\_\_\_  
Assistant Attorney General

**LIST OF EXHIBITS**  
**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,**  
**MARYLAND**

Exhibit 1.....Project Description

Exhibit 2..... Project Schedule

Exhibit 3..... Request for Proposal “RFP”

Exhibit 4..... Proposals – Technical & Price

Exhibit 5..... Staffing Plan

Exhibit 6..... Owner's Representatives

Exhibit 7..... Confidentiality Agreement

Exhibit 8..... MDOT Certified MBE Utilization & Fair Solicitation Affidavit

Exhibit 9..... Description of Architect's Compensation

Exhibit 10..... State Standard of Travel Reimbursement

Exhibit 11..... Contract Affidavit

Exhibit 12..... Notices



Architect Agreement D2 10-15-2019

**EXHIBIT 1**  
**PROJECT PROGRAM**

**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,  
MARYLAND**

To be determined per Section 3.3 of the RFP.

*Proposed Multi-Use Sports And Events Facility In Hagerstown, Maryland*

**Exhibit 1**

**EXHIBIT 2**  
**PROJECT SCHEDULE**

**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,  
MARYLAND**

See pages XXXX of the Technical Proposal dated XXXXXXXX.

**EXHIBIT 3**  
**REQUEST FOR PROPOSAL**

**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,  
MARYLAND**

Refer to attached Maryland Stadium Authority Request for Proposals –Architectural/Engineering Services, dated XXXXX, 2019, together with:

- Addendum No. 1 thereto, dated XXXXX, 2019; and
- Addendum No. 2 thereto, dated XXXXX, 2019.

**EXHIBIT 4**  
**PROPOSALS – TECHNICAL & FINANCIAL**  
**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,**  
**MARYLAND**

Refer to the attached Technical, Financial, and BAFO Proposals dated:

*Proposed Multi-Use Sports And Events Facility In Hagerstown, Maryland*

**Exhibit 4**

**EXHIBIT 5**  
**STAFFING PLAN**  
**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN**  
**HAGERSTOWN, MARYLAND**

See pages XXXXX of the Technical Proposal dated XXXXX, 2019.

**EXHIBIT 6**  
**OWNER 'S REPRESENTATIVES**

**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,  
MARYLAND**

1. Executive Director, Michael J. Frenz
2. Senior Vice President, Gary McGuigan
3. Vice President / Project Manager, Al Tyler
4. Fiscal Officer, Dawn Abshire
5. Compliance Officer, Lisa Johnson
6. Project Coordinator, Malaika Damon
7. Principal Counsel, Cynthia Hahn

**EXHIBIT 7**  
**CONFIDENTIALITY/COPYRIGHT AGREEMENT AND ACKNOWLEDGMENT**  
**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,  
MARYLAND**

I, \_\_\_\_\_ as the (title) \_\_\_\_\_ and duly authorized representative of (company) \_\_\_\_\_, which is engaged to do work for the project, understand that certain information regarding the project is or may be sensitive to the Owner and that the timing of its release is of considerable importance to the Owner. I further understand and acknowledge that any materials prepared or furnished by (company) \_\_\_\_\_ in connection of this project shall be the property of the Owner.

THEREFORE, I hereby acknowledge and agree that (company) \_\_\_\_\_ shall not issue any press releases or engage in any dialogues or interviews with the media or any other persons or entities for the dissemination to the general public without the prior written consent of the Owner. The Owner reserves the right to release all information as well as to time its release, form and content. The contents and substance of all discussions and communications, oral or written, between this company and the Architect, Owner, Construction Manager, and/or any other contractors engaged to perform work on the project shall be kept confidential and shall not be disclosed by this company to any persons or entities unaffiliated with the project, including, without limitation, governmental authorities and community groups, without the prior written consent of the Owner.

I further acknowledge and agree that all drawings, specifications, reports, surveys, CADD System disks/tapes and other documents, including models, photographs and renderings, prepared or furnished by (company) \_\_\_\_\_ shall be the property of the Owner and may not be copyrighted by (company) \_\_\_\_\_.

This Agreement shall become a substantive part of (company) \_\_\_\_\_ contract to perform work on the project and the Owner shall be entitled to enforce all provisions hereunder, and shall be entitled to reasonable damages for any breach hereof. This Agreement shall survive the expiration of this company's contract to do work on the project.

IN WITNESS WHEREOF, this Agreement was executed on the

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed

**EXHIBIT 8**  
**MDOT CERTIFIED MBE & FAIR SOLICITATION AFFIDAVIT**  
**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,  
MARYLAND**

See attached completed Attachment A – MBE participation schedule and solicitation affidavit.

*Proposed Multi-Use Sports And Events Facility In Hagerstown, Maryland*

**Exhibit 8**



**EXHIBIT 9**  
**DESCRIPTION OF ARCHITECT'S COMPENSATION**  
**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,**  
**MARYLAND**

Refer to the attached Financial Proposal included in **Exhibit 4**.

**EXHIBIT 10**  
**STATE STANDARD OF TRAVEL REIMBURSEMENT**  
**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN,  
MARYLAND**

Travel reimbursement is included in lump sum fee for all work required in the Request for Proposal “RFP”. Authorized travel beyond what is required for the RFP will be approved, in advance, by the Maryland Stadium Authority.

**EXHIBIT 11**  
**CONTRACT AFFIDAVIT**

**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN, MARYLAND**

See attached Contract Affidavit.

**EXHIBIT 12**  
**NOTICES**

**PROPOSED MULTI-USE SPORTS AND EVENTS FACILITY IN HAGERSTOWN, MARYLAND**

**TO OWNER:**

Al Tyler  
Maryland Stadium Authority  
351 West Camden, Suite 300  
Baltimore, MD 21201-8601  
Phone: 410-223-4141  
Email: [atyler@mdstad.com](mailto:atyler@mdstad.com)

**TO CLIENT:**

Name  
Company  
Street  
City, State Zip Code  
Phone:  
Email:

**TO ARCHITECT:**

Name  
Company  
Street  
City, State Zip Code  
Phone:  
Email:

**TO CONSTRUCTION MANAGER:**

Name  
Company  
Street  
City, State Zip Code  
Phone:  
Email:

**Attachment H**

**Sample Request for Financial Proposal**

Architectural Engineering Services Hagerstown Multi-Use Sports and Events Facility

Financial Proposal Form

Description of Service/Deliverable	Number of Meetings Assumed	Fee*
Preliminary Design	_____	\$ -
Traffic Study	_____	\$ -
Archaeological Analysis	_____	\$ -
Environmental Impact Analysis	_____	\$ -
Site Development/Planning	_____	\$ -
Infrastructure Analysis	_____	\$ -
Geotechnical Analysis/Engineering	_____	\$ -
Analysis of Land Acquisition/Parking Needs	_____	\$ -
Value Engineering/Quality Assurance	_____	\$ -
Others (Describe Below)		
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
Subtotal		\$ -
Printing/Postage/Reimbursibles (Describe Below)		Fee
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
_____	_____	\$ -
Subtotal		\$ -
Owner's Allowance		10,000.00
<b>TOTAL FEE</b>		<b>\$ 10,000.00</b>

\*Fee= all fees shall be fully loaded, inclusive of travel, pre and post meeting efforts, reports)

**Attachment I**  
**Contract Affidavit**

**CONTRACT AFFIDAVIT**

**A. AUTHORITY**

I HEREBY AFFIRM THAT:

I, (print name) \_\_\_\_\_ possess the legal authority to make this Affidavit.

**B. CERTIFICATION OF REGISTRATION OR QUALIFICATION WITH THE STATE DEPARTMENT OF ASSESSMENTS AND TAXATION**

I FURTHER AFFIRM THAT:

\_\_\_\_\_ is a (check applicable items):

- (1) Corporation – \_\_\_\_ domestic or \_\_\_\_ foreign;
- (2) Limited Liability Company – \_\_\_\_ domestic or \_\_\_\_ foreign;
- (3) Partnership – \_\_\_\_ domestic or \_\_\_\_ foreign;
- (4) Statutory Trust – \_\_\_\_ domestic or \_\_\_\_ foreign;
- (5) \_\_\_\_ Sole Proprietorship

And is registered or qualified as required under Maryland Law.

I further affirm that the above business is in good standing both in Maryland and (if applicable) in the jurisdiction where it is presently organized, and has filed all of its annual reports, together with filing fees, with the Maryland State Department of Assessments and Taxation.

The Department ID given to the above business by the State Department of Assessments and Taxation is:

\_\_\_\_\_

The name and address of its resident agent (IF APPLICABLE) filed with the State Department of Assessments and Taxation is:

(Print name) \_\_\_\_\_

(Print address) \_\_\_\_\_

\_\_\_\_\_



and that if it does business under a trade name, it has filed a certificate with the State Department of Assessments and Taxation that correctly identifies the true name and address of the principal or owner as:

Name and Department ID Number: \_\_\_\_\_

Address: \_\_\_\_\_

**C. FINANCIAL DISCLOSURE AFFIRMATION**

I FURTHER AFFIRM THAT:

I am aware of, and the above business will comply with, the provisions of State Finance and Procurement Article §13-221, Annotated Code of Maryland, which require that every business that enters into contracts, leases, or other agreements with the State of Maryland or its agencies during a calendar year under which the business is to receive in the aggregate \$100,000 or more shall, within 30 days of the time when the aggregate value of the contracts, leases, or other agreements reaches \$100,000, file with the Secretary of State of Maryland certain specified information to include disclosure of beneficial ownership of the business.

**D. POLITICAL CONTRIBUTION DISCLOSURE AFFIRMATION**

I FURTHER AFFIRM THAT:

I am aware of, and the above business will comply with, Subtitle 1 of Title 14 of the Election Law Article of the Annotated Code of Maryland and all regulations promulgated by the State Board of Elections pursuant thereto, which provisions require that every person that enters into contracts, leases, or other agreements with the State, a county, or an incorporated municipality, or their agencies, during a calendar year in which the person receives the specified aggregate amount or more, shall file with the State Board of Elections statements disclosing certain contributions at specified times.

**E. DRUG AND ALCOHOL FREE WORKPLACE**

I CERTIFY THAT:

(1) Terms defined in COMAR 21.11.08 shall have the same meanings when used in this certification.

(2) By submission of its bid or offer, the business, if other than an individual, certifies and agrees that, with respect to its employees to be employed under a contract resulting from this solicitation, the business shall:

- (a) Maintain a workplace free of drug and alcohol abuse during the term of the contract;
- (b) Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of drugs, and the abuse of drugs or alcohol is prohibited in the business' workplace and specifying the actions that will be taken against employees for violation of these prohibitions;
- (c) Prohibit its employees from working under the influence of drugs or alcohol;
- (d) Not hire or assign to work on the contract anyone who the business knows, or in the exercise of due diligence should know, currently abuses drugs or alcohol and is not actively engaged in a bona fide drug or alcohol abuse assistance or rehabilitation program;
- (e) Promptly inform the appropriate law enforcement agency of every drug-related crime that occurs in its workplace if the business has observed the violation or otherwise has reliable information that a violation has occurred;
- (f) Establish drug and alcohol abuse awareness programs to inform its employees about:
  - (i) The dangers of drug and alcohol abuse in the workplace;
  - (ii) The business's policy of maintaining a drug and alcohol free workplace;
  - (iii) Any available drug and alcohol counseling, rehabilitation, and employee assistance programs; and
  - (iv) The penalties that may be imposed upon employees who abuse drugs and alcohol in the workplace;
- (g) Provide all employees engaged in the performance of the contract with a copy of the statement required by §E(2)(b) of this affidavit;
- (h) In the statement required by §E(2)(b) of this affidavit, notify its employees that as a condition of continued employment on the contract, the employee shall:
  - (i) Abide by the terms of the statement; and
  - (ii) Notify the employer of any criminal drug or alcohol abuse conviction for an offense occurring in the workplace not later than 5 days after a conviction;

- (i) Notify the procurement officer within 10 days after receiving notice under §E(2)(h)(ii) of this affidavit or otherwise receiving actual notice of a conviction;
  - (j) Within 30 days after receiving notice under §E(2)(h)(ii) of this affidavit or otherwise receiving actual notice of a conviction, impose either of the following sanctions or remedial measures on any employee who is convicted of a drug or alcohol abuse offense occurring in the workplace:
    - (k) Take appropriate personnel action against an employee, up to and including termination; or
    - (l) Require an employee to satisfactorily participate in a bona fide drug or alcohol abuse assistance or rehabilitation program; and
  - (m) Make a good faith effort to maintain a drug and alcohol free workplace through implementation of §E(2)(a) through (j) of this affidavit.
- (3) If the business is an individual, the individual shall certify and agree, as set forth in §E(4) of this affidavit, that the individual shall not engage in the unlawful manufacture, distribution, dispensing, possession, or use of drugs or the abuse of drugs or alcohol in the performance of the contract.
- (4) I acknowledge and agree that:
- (a) The award of the contract is conditional upon compliance with COMAR 21.11.08 and this certification;
  - (b) The violation of the provisions of COMAR 21.11.08 or this certification shall be cause to suspend payments under, or terminate the contract for default under COMAR 21.07.01.11 or 21.07.03.15, as applicable; and
  - (c) The violation of the provisions of COMAR 21.11.08 or this certification in connection with the contract may, in the exercise of the discretion of the Board of Public Works, result in suspension and debarment of the business under COMAR 21.08.03.

<b>F. CERTAIN AFFIRMATIONS VALID</b>
--------------------------------------

I FURTHER AFFIRM THAT:

To the best of my knowledge, information, and belief, each of the affirmations, certifications, or acknowledgements contained in that certain Bid/Proposal Affidavit dated \_\_\_\_\_, 20\_\_\_\_, and executed by me for the purpose of obtaining

the contract to which this Exhibit is attached remains true and correct in all respects as if made as of the date of this Contract Affidavit and as if fully set forth herein.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

Date: \_\_\_\_\_

By:

\_\_\_\_\_  
(Printed name of Authorized Representative and affiant)

\_\_\_\_\_  
(Signature of Authorized Representative and affiant)

**Attachment J**

**Phase I Environmental Report – Dated July 5, 2012**



**PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**  
**HAGERSTOWN BASEBALL SITE**  
**HOOD STREET**  
**HAGERSTOWN, WASHINGTON COUNTY, MARYLAND 21740**  
**ECS PROJECT NO. 13-5048**

**FOR**

**CITY OF HAGERSTOWN**

**JULY 05, 2012**



July 05, 2012

Mr. Rodney Tissue  
City of Hagerstown  
1 East Franklin Street  
Hagerstown, Maryland 21740

ECS Project No. 13-5048

Reference: Phase I Environmental Site Assessment Report, Hagerstown Baseball Site,  
Hood Street, Hagerstown, Washington County, Maryland 21740

Dear Mr. Tissue:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide you with the results of our Phase I Environmental Site Assessment (ESA) for the referenced property. Our services were provided in accordance with ECS Proposal No. 13-6204-EP dated May 10, 2012 and meet the requirements of ASTM E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and EPA Standards and Practices for All Appropriate Inquiries contained in 40 CFR Part 312.

If there are questions regarding this report, or a need for further information, please contact us at (301) 668-4303.

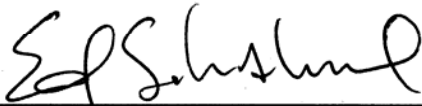
**ECS MID-ATLANTIC, LLC**

Erik J. Schaberl  
Sr. Environmental Scientist

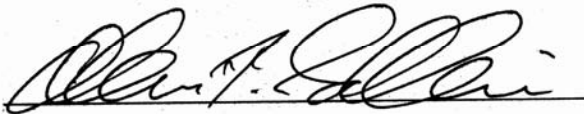
Allen T. Sullivan, MEM, LEED AP  
Environmental Department Manager

**ENVIRONMENTAL PROFESSIONAL STATEMENT**

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Erik J. Schaberl July 05, 2012  
Sr. Environmental Scientist



Allen T. Sullivan, MEM, LEED AP July 05, 2012  
Environmental Department Manager



Phase I Environmental Site Assessment Report  
Hagerstown Baseball Site  
Hood Street  
Hagerstown, Washington County, Maryland 21740

---

CLIENT

City of Hagerstown  
1 East Franklin Street  
Hagerstown, Maryland 21740

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SUBMITTED BY

ECS Mid-Atlantic, LLC  
5112 Pegasus Court  
Suite S  
Frederick, Maryland 21704

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PROJECT

13-5048

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DATE

July 05, 2012

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT  
HAGERSTOWN BASEBALL SITE  
HOOD STREET  
HAGERSTOWN, MARYLAND 21740**

**ECS PROJECT NO. 13-5048**

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## **1.0 EXECUTIVE SUMMARY**

ECS Mid-Atlantic, LLC (ECS) was contracted by the City of Hagerstown to perform an ASTM Standard E 1527-05, Phase I Environmental Site Assessment (ESA) of the subject. Any exceptions to or deletions from this practice are described in Section 2.0 of this report.

The site is generally located southeast of the intersection of West Antietam Street and Summit Avenue; north of West Baltimore Street; and mostly west of Ayers Alley. The Site includes the addresses of 100 Summit Avenue (Herald Mail Company), built in 1979; 140 Summit Avenue (D&P Coin op Laundry); 80 West Baltimore Street (Washington County Commissioners), built in 1950; 32 West Baltimore Street (Baltimore Street Station Car Wash), built in 1990; 25 West Antietam Street (The Owls Club), built in 1900; 29 West Antietam Street, built in 1900; 31-33 West Antietam Street (former MOOSE Lodge), built in 1905; 37 West Antietam Street (Antietam Paper Company), built in 1900; and 24/26/28 West Baltimore Street, built in 1900. The site is more particularly described as Tax Map #312, Parcels 2046, 2048, 2050, 2052, 2054, 2055, 2056, 2057, 2058, and 2045. Refer to the Site Vicinity Map (Appendix I, Figure 1) for the location of the site in relation to surrounding road networks. A legal description of the property was not provided to ECS.

The site currently consists of multiple uses. Parcel 2052 (100 Summit Avenue) is currently the Herald-Mail Company facility, a local newspaper company with associated parking along Summit Avenue. Parcel 2048 (140 Summit Avenue) is currently D&P Coin Op Laundry. Parcel 2055 (32 West Baltimore Street) is currently a carwash business, with associated parking along Ayers Alley. Parcel 2046 (80 West Baltimore Street) is currently the Washington County Commissioners building, and associated parking. Parcel 2045 is currently Snooks Poultry, a meat wholesaler and retailer. Hood Street cuts through the southwest corner of the subject, connecting Summit Avenue with West Baltimore Street. The remainder of the site appears as parking and access/egress alleys.

The subject is bordered to the north by W. Antietam Street, followed by a district court building and parking area. The site is bordered to the east by St. Johns Lutheran Church (UST, LUST site) and residential and commercial properties. The site is bordered to the south by W. Baltimore Street, followed by residential and commercial properties (former HL Mills, Otis Elevator, Crenshaw Auto repair: LUST, UST, RCRA, FINDS). The site is bordered to the west by Summit Avenue, followed by residential properties and a Voluntary Fire Department.

One 1,000 gallon heating oil UST is located at 140 Summit Avenue. According to Mr. Baker, the owner, the UST has been out of use for many years. Mr. Baker was unaware of any monitoring wells, tank tightness results, or releases from the tank. A 275-gallon heating oil AST in the laundermat replaced the UST, and is currently in use. Evidence of spills or releases were not observed in the vicinity of the AST. This AST is not considered to be a REC to the subject at this time.

Fill and vent pipes were observed along the exterior walls of 25 and 37 West Antietam Street. The fill and vent pipes are commonly associated with heating oil ASTs located in the basement of the structures. ECS was not granted access to the buildings and could not assess the tanks current conditions.

ECS interviewed Mr. Donald Baker, owner of the 140 Summit Avenue property (Coin Op Laundry) and parcel 2050. Mr. Baker informed ECS that he purchased the property in 1991, but has recollection of the area back to 1978. Reportedly, the 140 Summit Avenue address was formerly a drycleaners from sometime prior to 1978 to approximately 2000, at which time it was converted to a laundromat. An approximately 75-100 gallon AST for TCE was located in a storage room. ECS was informed this was currently empty, and Mr. Baker was unaware of any spills or releases from the tank. Reportedly Safety Kleen removed spent TCE and filters routinely from the site.

The site was listed on numerous regulatory databases researched for this assessment. The Herald Mail Company was identified on the LUST, UST, and RCRA databases. The Former Amoco Station (formerly located in the footprint of the Herald Mail building) was identified on the UST database. D&P Coin Op Laundry was identified on the UST, FINDS, and RCRA databases. The Printing Place at 37 W. Antietam Street was identified on the FINDS database. 80 West Baltimore Street was identified on the FINDS database, and on the LUST and UST database as the Community Supermarket.

The sanborn maps revealed a history of three filling stations, numerous gas and oil tanks, railroad spurs, and industrial use. Railroad tracks are often associated with creosote timbers, herbicide applications, and possible fuels spills as part of the railroad operation. Railroad ballast material is frequently associated with heavy metal contamination. Historic gas stations operated with little, if any, regulation and are commonly associated with some degree of petroleum contamination. Further the historic printing company could be associated with solvents and other chemicals. The historic uses of the site is considered to be a REC to the subject.

As documented and qualified in this report, this assessment has revealed the following Recognized Environmental Conditions (RECs):

- Based on the historical sources researched, it appears that a majority of the subject was owned and operated by the Washington County Railroad Company from 1867 to 1980. The sanborn maps also revealed a history of numerous gas and oil tanks, railroad spurs (including a turn-table), and industrial use. Railroad tracks can often be associated with creosote timbers, herbicide applications, and possible fuel spills as part of the railroad operation. Ballast material is frequently associated with heavy metal contamination. Further, rails were observed on the northern portion of the subject, emerging from the deteriorating pavement section, indicating at least some of the rail system was left in place and paved over. The historic use of the site as a railroad yard, automotive repair, and printing (37 West Antietam Street) are considered to be a REC to the subject.
- Three filling stations were observed on the northwestern (current Herald Mail Building), western (near D&P Coin Op), and southeastern portion of the subject on the 1951 Sanborn map. Historic gas stations operated with little, if any,

regulation and are commonly associated with some degree of petroleum contamination. The historic use of the site of gas stations is considered to be a REC to the site.

- One 1,000-gallon heating oil UST is currently out of use for 140 Summit Avenue (Coin-Op Laundry). According to the MDE, a UST greater than 180 days out of service must be removed. This UST is considered a REC to the site, and ECS recommends it be properly removed under the guidance of the MDE.
- A former drycleaners operated at 140 Summit Avenue from prior to 1978 until approximately 2000. Drycleaners are associated with the use of tetrachloroethene (TCE), a solvent commonly used in the dry-cleaning industry. The former use as a drycleaners is considered to be a REC to the site.

As documented and qualified in this report, this assessment has revealed the following Historical Recognized Environmental Conditions (HRECs):

- Herald-Mail Company at 100 Summit Avenue was identified on the Leaking Underground Storage Tank List (LUST). This case (96-0561WA) was listed as "closed" by the MDE. Based on the information above, ECS does not consider this former UST to be a current recognized environmental condition for the subject; however, it would be considered a HREC. Further, the MDE frequently closes cases with low levels of petroleum contamination present that are not a risk to human health or the environment. Future development grading activities and/or excavations may encounter petroleum contaminated material at the former tank location. If so, impacted material should be properly handled and disposed.
- Community Supermarket, determined to be 80 West Baltimore Street (subject), was identified. This case (95-2029WA) was listed as closed by the MDE. Based on the information above, ECS does not consider this former UST to be a current recognized environmental condition for the subject; however, it would be considered a HREC.

ECS notes the following Business Environmental Risk (BER) for the site:

- Fill and vent pipes were observed along the exterior walls of 25 and 37 West Antietam Street. The fill and vent pipes are commonly associated with heating oil ASTs located in the basement of the structures. ECS was not granted access to the buildings and could not assess the tanks current conditions. ECS recommends assessing the AST conditions prior to redevelopment activities at the site.
- Given the age of construction of some onsite structures (buildings constructed prior to 1978), asbestos-containing materials and lead-based paint are possible. ECS recommends an asbestos and lead-paint survey for the subject prior to any demolition or renovation.

- The subject is located in an EPA radon Zone 1, which means the area has a predicted average indoor radon screening level greater than 4 pCi/L. A level above 4 pCi/L is considered an environmental concern. ECS recommends mitigation be incorporated into future development plans.

Based on the RECs identified above, ECS recommends a Phase II ESA for the subject consisting of soil and groundwater testing in the areas of concern.

This Executive Summary is an integral part of the Phase I ESA report. ECS recommends that the report be read in its entirety.

## **2.0 INTRODUCTION**

### **2.1 Purpose and Reason for Performing Phase I ESA**

The purpose of the ESA was to:

- evaluate the probability of impact to the surface water, groundwater and/or soils within the property boundaries through a review of regulatory information and a reconnaissance of the subject site and vicinity;
- evaluate historical land usage to identify previous conditions that could potentially impact the environmental condition of the site;
- conduct all appropriate inquiry as defined by ASTM E 1527-05 and 40 CFR Part 312;
- evaluate the potential for on-site and off-site contamination; and,
- provide a professional opinion regarding the potential for environmental impact at the site, and a list of Recognized Environmental Conditions.

The reason for conducting this ESA is to conduct all appropriate inquiry into the uses and prior ownership of the subject property as a part of a pending real estate transaction. The ESA should allow the Users the opportunity to qualify for landowner liability protection under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) provided certain stipulations are met. The landowner liability protections are: an innocent landowner, a contiguous property owner, or a bona fide prospective purchaser. The User must meet the protection stipulations detailed in CERCLA to qualify.

### **2.2 Scope of Services**

The environmental assessment was conducted in accordance with ASTM E 1527-05 and EPA Standards and Practices for All Appropriate Inquiry (40 CFR §312.10). The environmental assessment was conducted under the supervision or responsible charge of an individual that qualifies as an environmental professional, as defined in 40 CFR §312.10.

### **2.3 Limitations**

The ESA involved a reconnaissance of the site and contiguous properties and a review of regulatory and historical information in accordance with the ASTM standard and EPA regulation referenced herein. No non-scope considerations or additional issues such as asbestos, radon, wetlands or mold were investigated, unless otherwise described in Section 7.0 of this report.



The conclusions and/or recommendations presented within this report are based upon a level of investigation consistent with the standard of care and skill exercised by members of the same profession currently practicing in the same locality under similar conditions. The intent of this assessment is to identify the potential for recognized environmental conditions in connection with the site; however, no environmental site assessment can completely eliminate uncertainty regarding the potential for recognized environmental conditions in connection with the site. The findings of this ESA are not intended to serve as an audit for health and safety compliance issues pertaining to improvements or activities at the site. ECS is not liable for the discovery or elimination of hazards that may potentially cause damage, accidents or injury.

Observations, conclusions and/or recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and or materials reviewed at the time this study was undertaken. It was not the purpose of this study to determine the actual presence, degree or extent of contamination, if any, at this site. This could require additional exploratory work, including sampling and laboratory analysis. No warranty, expressed or implied, is made with regard to the conclusions and/or recommendations presented within this report.

ASTM E-1527-05 defines a "recognized environmental condition" as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

ASTM E-1527-05 defines a "business environmental risk" as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate". Client-imposed limitations and site condition limitations, if encountered, are detailed in Section 6.1 Methodology and Limiting Conditions.

This study and report have been prepared on behalf of and for the exclusive use of the City of Hagerstown, and their prospective partners, lenders or assigns, solely for use in an environmental assessment of the site. This ESA report may be disseminated to other parties involved in this potential real estate transaction for informational purposes only, and this dissemination does not extend reliance of the report.

### **3.0 SITE DESCRIPTION**

#### **3.1 Site Location and Legal Description**

The site (hereafter referred to as "subject", "project site", "subject site", or "property") is generally located southeast of the intersection of West Antietam Street and Summit Avenue; north of West Baltimore Street; and mostly west of Ayers Alley. The Site includes the addresses of 100 Summit Avenue (Herald Mail Company), built in 1980; 140 Summit Avenue (D&P Coin op Laundry), built in 1900; 80 West Baltimore Street (Washington County Commissioners), built in 1950; 32 West Baltimore Street (Baltimore Street Station Car Wash), built in 1990; 25 West Antietam Street (The Owls Club), built in 1900; 29 West Antietam Street, built in 1900; 31-33 West Antietam Street (former MOOSE Lodge), built in 1905; 37 West Antietam Street (Antietam Paper Company), built in 1900; and 24/26/28 West Baltimore Street, built in 1900. The site is more particularly described as Tax Map #312, Parcels 2046, 2048, 2050, 2052, 2054, 2055, 2056, 2057, 2058, and 2045. Refer to the Site Vicinity Map (Appendix I, Figure 1) for the location of the site in relation to surrounding road networks. A legal description of the property was not provided to ECS.

#### **3.2 Physical Setting and Hydrogeology**

As determined from the 7.5-minute USGS Topographic Map of the Hagerstown, MD/PA Quadrangle dated 1953 and photorevised in 1985 (Appendix I, Figure 2), the project site's elevation slopes from the west to the east with an average approximate elevation of 564 feet above mean sea level (msl). Slope and surface drainage on the site appears to be directed to storm drains located on West Antietam Street, Summit Avenue, and West Baltimore Street. Significant cuts are located of Summit Avenue.

The subject is located in the Ridge and Valley geographic province. The Ridge and Valley Province between South Mountain in Washington County and Dans Mountain in western Allegany County contains strongly folded and faulted sedimentary rocks. In the eastern part of the region, a wide, open valley called the Great Valley, or in Maryland, the Hagerstown Valley, is formed on Cambrian and Ordovician limestone and dolomite. West of Powell Mountain, a more rugged terrain has developed upon shale and sandstone bedrock which ranges in age from Silurian to Mississippian. Some of the valleys in this region are underlain by Silurian and Devonian limestones.

The soils encountered in this area are the residual product of in-place chemical weathering of rock presently underlying the site. In general, shallow unconfined groundwater movement within the overlying soils is controlled largely by topographic gradients. However, as the ground water percolates downward to the bedrock, it becomes controlled by the orientation of the rock fracture systems. Thus, the direction of ground-water movement may not be consistent with the reflecting topography. Recharge occurs primarily by infiltration along higher elevations and typically discharges into streams or other surface water bodies. The elevation of the shallow water table is transient and can vary greatly with seasonal fluctuations in precipitation. Movement in this water table is generally from higher to lower elevations.

### **3.3 Current Use and Description of the Site**

The site currently consists of multiple uses. Parcel 2052 (100 Summit Avenue) is currently the Herald-Mail Company facility, a local newspaper company with associated parking along Summit Avenue. Parcel 2048 (140 Summit Avenue) is currently D&P Coin Op Laundry. Parcel 2055 (32 West Baltimore Street) is currently a carwash business, with associated parking along Ayers Alley. Parcel 2046 (80 West Baltimore Street) is currently the Washington County Commissioners building, and associated parking. Parcel 2045 is currently Snooks Poultry, a meat wholesaler and retailer. Hood Street cuts through the southwest corner of the subject, connecting Summit Avenue with West Baltimore Street. The remainder of the site appears as parking and access/egress alleys.

### **3.4 Current Uses of the Adjoining Properties**

The subject is bordered to the north by W. Antietam Street, followed by a district court building and parking area. The site is bordered to the east by St. Johns Lutheran Church (UST, LUST site) and residential and commercial properties. The site is bordered to the south by W. Baltimore Street, followed by residential and commercial properties (former HL Mills, Otis Elevator, Crenshaw Auto repair: LUST, UST, RCRA, FINDS). The site is bordered to the west by Summit Avenue, followed by residential properties and a Voluntary Fire Department.

#### **4.0 USER PROVIDED INFORMATION**

ECS was not provided with a completed Environmental Questionnaire for the subject property building.

##### **4.1 Title Information**

ECS was not provided with title information by the client. However, the Maryland Department of Assessments and Taxation lists the site owners as The Herald Mail Company (Parcel 2052); Donald Baker et al (P 2050, 2048); Washington County Commissioners (P 2046); Car Wash Real Estate, LLC (P 2055); Lodge Owls Club of Hagerstown, Inc. (P2058); Merrbaugh Joel William (P 2057); A&S Associates, LLC (P 2056); Antietam Paper Building, LLC (P2054); Larry Snook (P 2045).

##### **4.2 Environmental Liens or Activity and Use Limitations**

An Environmental Lien and Activity/Land Use Limitation search for the subject was conducted as requested by the client.

No Environmental Liens or Activity/Land Use limitations were discovered for the subject site. See Appendix IV for details.

##### **4.3 Specialized Knowledge**

An Environmental Questionnaire was not provided to ECS. As such, no Specialized Knowledge was provided to ECS.

##### **4.4 Commonly Known or Reasonably Ascertainable Information**

ECS was not provided information regarding commonly known or reasonably ascertainable information for the subject.

##### **4.5 Valuation Reduction for Environmental Issues**

ECS was not provided information regarding valuation reduction for environmental issues.

##### **4.6 Owner, Property Manager, and Occupant Information**

The Maryland Department of Assessments and Taxation lists the site owners as The Herald Mail Company (Parcel 2052); Donald Baker et al (P 2050, 2048); Washington County Commissioners (P 2046); Car Wash Real Estate, LLC (P 2055); Lodge Owls Club of Hagerstown, Inc. (P2058); Merrbaugh Joel William (P 2057); A&S Associates, LLC (P 2056); Antietam Paper Building, LLC (P2054); Larry Snook (P 2045).

##### **4.7 Degree of Obviousness**

ECS was not provided with information regarding "the degree of obviousness".

## **5.0 RECORDS REVIEW**

A regulatory records search of ASTM standard and supplemental databases was conducted for the site and is included in Appendix III. The regulatory search report in the appendix includes additional details about the regulatory databases that were reviewed. The regulatory records search involves searching a series of databases for facilities that are located within a specified distance from the subject property. The ASTM standard specifies an approximate minimum search distance from the subject site for each database. Pursuant to ASTM, the approximate minimum search distance may be reduced for each standard environmental record except for Federal NPL site list, and Federal RCRA TSD list. According to ASTM, government information obtained from nongovernmental sources may be considered current if the source updates the information at least every 90 days or, for information that is updated less frequently than quarterly by the government agency, within 90 days of date the government agency makes the information available to the public. The following table indicates the standard environmental record sources and the approximate minimum search distances for each.

<b>Standard Environmental Record Sources</b>	<b>Approximate Minimum Search Distance Per ASTM (miles)</b>
Federal NPL	1.0
Federal Delisted NPL	0.5
Federal CERCLIS	0.5
Federal CERCLIS NFRAP	0.5
Federal RCRA CORRACTS	1.0
Federal RCRA non-CORRACTS TSD	0.5
Federal RCRA Generators	Subject Site and Adjoining Properties
Federal IC/EC	Subject Site Only
Federal ERNS	Subject Site Only
State and Tribal Hazardous Waste Sites (NPL Equivalent)	1.0
State and Tribal Hazardous Waste Sites (CERCLIS Equivalent)	0.5
State and Tribal Landfill and/or solid waste disposal sites	0.5
State and Tribal LUST	0.5
State and Tribal Registered UST	Subject Site and Adjoining Properties
State and Tribal IC/EC	Subject Site Only
State and Tribal Voluntary Cleanup (VCP) Sites	0.5
State and Tribal Brownfield Sites	0.5

Based on our knowledge of the subject property and the surrounding area, ECS attempts to verify and interpret this data. While this attempt at verification is made with due diligence, ECS cannot guarantee the accuracy of the record(s) search beyond that of information provided by the regulatory report(s). Mapped and unmapped sites identified in the regulatory report(s) that are not addressed below were field verified and are not believed to be within the approximate minimum search distance and are excluded from this ESA report. ECS makes no warranty regarding the accuracy of the database report information included within the regulatory report(s).

## **5.1 Federal Databases**

### **Federal National Priorities List (NPL)**

The NPL is a subset of Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and identifies "superfund" sites that have had documented contamination incidents.

The site was not identified on the NPL.

One or more off-site properties within the minimum search distance of inquiry were reported as being on the NPL.

One NPL site was identified within the search radius. This is Central Chemical at 49 North Jonathon Street, 0.25 miles to the northeast of the subject. Based on distance, ECS does not believe that this NPL site is an environmental concern for the subject.

### **Federal Delisted NPL**

The Delisted NPL identifies sites previously listed on the NPL where no further response is appropriate.

The site was not identified on the Delisted NPL.

No off-site properties within the minimum search distance of inquiry were reported as being on the Delisted NPL.

### **Federal CERCLIS**

CERCLIS contains data on potential hazardous waste sites that have been reported to the United States Environmental Protection Agency (USEPA). CERCLIS contains sites that are either proposed to or on the NPL and sites which are in the screening and assessment phase for possible inclusion on the NPL.

The site was not identified on the CERCLIS database.

No off-site properties within the minimum search distance of inquiry were reported as being on the CERCLIS database.

### **Federal CERCLIS No Further Remedial Action Planned (NFRAP)**

CERCLIS sites designated as NFRAP have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or

NPL consideration.

The site was not identified on the CERCLIS NFRAP.

One or more off-site properties within the minimum search distance of inquiry were reported as being on the CERCLIS NFRAP database.

A total of three NFRAP sites were identified within the search radius. The closest of these is Hagerstown Light and Heat Company at Locust Street, 0.28 miles southwest and downgradient from the subject. Based on distance, topographic position and NFRAP status, ECS does not believe that these sites represent a recognized environmental condition for the subject.

#### **Federal Corrective Action Report (CORRACTS)**

CORRACTS identifies hazardous waste handlers that have been subject to corrective action under Resource Conservation and Recovery Act (RCRA).

The site was not identified by CORRACTS.

No off-site properties within the minimum search distance of inquiry were reported as being on CORRACTS.

#### **Federal Resource Conservation and Recovery Information System (RCRIS) – Treatment, Storage and Disposal (TSD) Facilities**

RCRIS identifies facilities that treat, store or dispose of hazardous wastes as defined by the RCRA. TSDs treat, store or dispose of hazardous waste.

The site was not identified as a hazardous waste TSD facility.

No off-site properties within the minimum search distance of inquiry were reported as being a hazardous waste TSD facility.

#### **Federal RCRIS - Generators**

RCRIS identifies facilities that generate hazardous wastes as defined by the RCRA. Conditionally exempt small quantity generators generate less than 100 kilograms of hazardous waste, or less than 1 kilogram of acutely hazardous waste, per month. Small quantity generators (SQGs) generate between 100 and 1,000 kilograms of hazardous waste per month. Large quantity generators (LQGs) generate more than 1,000 kilograms of hazardous waste or more than 1 kilogram of acutely hazardous waste per month.

The site was identified as a hazardous waste generator.

One or more off-site properties within the minimum search distance of inquiry were reported as being a hazardous waste generator.

- The site was identified twice on the RCRA list. Herald Mail Company at 100 Summit Avenue (subject) was identified with three violations. According to the report, they were all resolved in 1989. According to documentation provided by the MDE, it appears the waste generated was Ink, Aliphatic hydrocarbons, and roller and blanket wash. The violations appeared to be associated with documentation, storage, and training, with no indications of spills or releases

noted. Based on the resolution of violations, ECS does not consider this listing to be a REC.

- D&P Coin Op at 140 Summit Avenue (subject) was identified on the RCRA list, with no violations reported. Based on the database report, this appears to be associated with spent TCE generated. Based on lack of violations, ECS does not consider this listing to be a REC to the subject at this time. Based on distance, topography, and/or lack of violations, ECS does not believe that the remaining off-site RCRA listings are an environmental concern for the subject.

### **Federal Engineering Controls (EC) List**

The Federal EC list identifies engineering controls including various forms of caps, building foundations, liners, and treatment methods used to eliminate pathways for regulated substances to enter environmental media or affect human health.

The site was not identified on the EC list.

### **Federal Institutional Controls (IC) List**

The Federal IC list identifies institutional controls including administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants.

The site was not identified on the IC list.

### **Federal Emergency Response Notification System (ERNS)**

The ERNS list is a national database that stores and records information on reported releases of hazardous substances, including petroleum products.

The site was not identified on the ERNS list.

## **5.2 State Databases**

### **Leaking Underground Storage Tank (LUST) List**

The LUST list is a record of reported leaking underground storage tank incidents. The LUST list may also identify properties that have had soil and/or groundwater contamination associated with documented releases from aboveground storage tanks, surface spills and other sources. It should be noted that the state of Maryland does not maintain a separate LUST list. Records typically maintained in the LUST list are incorporated into the MDE's Oil Control Program (OCP) Cases database. The OCP Cases database includes all properties that have had OCP oversight for issues, including LUST cases, surficial petroleum spills or leaks, or storage tank compliance inspections (i.e. - tank tightness inspections, etc.). For purposes of review, the InfoMap report's LUST list should be considered the equivalent of the MDE OCP Cases database.

The site was identified on the LUST List.

One or more off-site properties within the minimum search distance of inquiry were reported as being on the LUST list.



- Herald-Mail Company (subject) at 100 Summit Avenue was identified as a LUST site. This case (96-0561WA) was listed as "closed" by the MDE. Based on the information above, ECS does not consider this former UST to be a current recognized environmental condition for the subject; however, it would be considered a HREC. Further, the MDE frequently closes cases with low levels of petroleum contamination present that are not a risk to human health or the environment. Future development grading activities and/or excavations may encounter petroleum contaminated material at the former tank location. If so, impacted material should be properly handled and disposed.
- Community Supermarket, determined to be 80 West Baltimore Street (subject), was identified. This case (95-2029WA) was listed as closed by the MDE. Based on the information above, ECS does not consider this former UST to be a current recognized environmental condition for the subject; however, it would be considered a HREC. Further, the MDE frequently closes cases with low levels of petroleum contamination present that are not a risk to human health or the environment. Future development grading activities and/or excavations may encounter petroleum contaminated material at the former tank location. If so, impacted material should be properly handled and disposed.

A total of 151 LUST sites were identified within the search radius. However, only 34 of these are within 1/4 mile of the subject. The closest of these appears to be the former H.L. Mills building adjacent to the south and cross-gradient to down-gradient of the subject, listed with 12 USTs, and a closed case by the MDE. Based on MDE case closure and topographic position, ECS does not consider this off-site property to be a REC to the subject at this time. Based on distance, topographic position and/or MDE case closure, ECS does not believe that the remaining LUST sites are an environmental concern for the subject.

#### **State Solid Waste Facilities/Landfill (SWL) List**

The Maryland Department of the Environment (MDE) maintains a list of permitted solid waste facilities. These facilities may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

The site was not identified on the Solid Waste Facilities/Landfill List.

No off-site properties within the minimum search distance of inquiry were reported as being on the Solid Waste Facilities/Landfill List.

#### **State Brownfield Projects Inventory (Brownfields)**

The State Brownfield Projects Inventory identifies brownfield projects inventoried with the MDE. The properties in the inventory are working toward a brownfield agreement for cleanup and liability control.

The site was not identified on the State Brownfield Projects Inventory database.

One or more off-site properties within the minimum search distance of inquiry were reported as being on the State Brownfield Projects Inventory database.

Eight Brownfield sites are identified within the search radius. The closest of these is the University of Maryland at 35 W. Washington Street, approximately 0.17 miles northeast and upgradient of the subject. Based on distance, ECS does not believe that these sites represent a recognized environmental condition for the subject.

#### **Unmapped (Non-Geocoded) Facilities**

These facilities are considered by FirstSearch as unmappable because the facility information in the database is insufficient and does not report accurate facility location information.

The site was not identified on the Unmapped (Non-Geocoded) facilities list.

No off-site properties within the minimum search distance of inquiry were reported as being on the unmappable facilities list.

#### **State Responsible Party Voluntary Action (VCP) Sites**

The VCP Sites is a listing of sites that parties wish to remediate voluntarily. The program is administered by the MDE.

The site was not identified on the VCP database.

No off-site properties within the minimum search distance of inquiry were reported as being on the VCP database.

#### **Registered Underground Storage Tank (UST)/Above Ground Storage Tank (AST) List**

The Registered UST/AST List inventories underground/aboveground storage tanks registered with the MDE. This list does not identify USTs or ASTs that have not been registered with the MDE, such as home heating oil tanks and other unregulated tanks.

The site was identified on the Registered UST/AST List.

One or more off-site properties within the minimum search distance of inquiry were reported as being on the Registered UST/AST list.

The following UST listings were noted for the subject:

- The Herald Mail Company at 100 Summit Avenue (subject) was identified with one 20,000-gallon heating oil and one 2,000-gallon gasoline UST listed as "permanently out of use". This facility was also identified on the LUST database, and has been previously discussed.
- Former Amoco Station (subject) at Summit Avenue and Antietam Street was identified with four USTs listed as "permanently out of use".
- D&P Coin Op at 140 Summit Avenue (subject) was identified with one 1,000-gallon heating oil UST listed as "temporarily out of use". According to Mr. Donald Baker, owner, the UST is still in place but has not been used in years.

- Community Supermarket, determined to formerly be 80 West Baltimore Street (subject) was identified with one 3,000 gallon heating oil UST listed as "permanently out of use". Although, the database report does not give a street number for this listing, information obtained from interviews suggests this listing corresponds to the current County Commissioners building.

In addition to the subject, 67 properties were identified within the search distance. The closest of these appears to be the former H.L. Mills building, addressed as 45 West Baltimore Street. This facility is listed with 12 historical USTs. This facility is also included on the LUST database with a closed case, and is therefore not considered to be a REC to the subject at this time. Based on distance and/or topographic position, the remaining off-site properties are not considered to be a REC to the site at this time.

### **Federal Indexing System**

A FINDS facility is any property which has previously been tracked by, or is currently being tracked by the US Environmental Protection Agency under one of their programs such as RCRA. A property is never removed from the FINDS list, hence, this database provides potential historical data regarding the subject property and surrounding properties. A FINDS facility that currently exists is typically listed under another database in the database report, which has been discussed above. There is no ASTM requirement to search this database, however, our search radius extended to "the property and adjoining properties".

The site was identified on the FINDS database.

One or more off-site properties within the minimum search distance of inquiry were reported as being on the FINDS database.

The Herald Mail Company (Subject) and D&P Coin Op (subject) were identified as FINDS sites. In addition, The Printing Place at 37 W. Antietam Street (subject), corresponding with Antietam Paper Company was identified as well. These listings are a reflection of the RCRA registrations previously discussed. No environmental concerns for the subject were noted with the FINDS sites.

### **PCB Handlers (PADS) list**

Database of PCB generators, transporters, storers and/or disposers that are required to register with the EPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

The site was not identified on the PADS database.

No off-site properties within the minimum search distance of inquiry were reported as being on the PADS database.

### **Toxic Release Inventory System (TRIS)**

Database of all facilities that have had or may be prone to toxic material release.

The site was not identified on the TRIS database.

No off-site properties within the minimum search distance of inquiry were reported as

being on the TRIS database.

### **5.3 Historical Use Information**

#### **Sanborn Fire Insurance Map Review**

Historic Fire Insurance Maps (i.e., Sanborns) provide coverage of the area of the subject. ECS reviewed maps dated 1887, 1892, 1897, 1904, 1910, 1918, 1926, and 1951 from the Baltimore Public Library online. The majority of the site appears as a railroad yard in 1887, with approximately 8 rail spurs illustrated running from Baltimore Street to the northwest. A freight depot and stock yard are labeled on the western portion of the subject. Dwellings are shown along Antietam Street, with a lumber yard to the south.

From 1892 to 1910, the maps depict the subject with approximately 9 railroad spurs running from Baltimore Street to the northwest, and then curving to head north through the majority of the subject. A turn-table is shown on the southwest part of the subject, north of Hood Street. A freight depot appears north of W. Baltimore Street. Two dwellings along Antietam Street have been replaced with commercial businesses including Antietam Paper Company (37 Antietam), and the Eagles Club House (31-33 Antietam).

From 1918 to 1926, the railroad yard appears relatively unchanged. The buildings along Antietam Street are labeled as Antietam Paper Company (37), Moose Lodge (31-33), Auto Repair (29), and a dwelling (25).

The 1951 map shows a filling station southeast of the intersection of W. Antietam Street and Summit Avenue. South of the filling station is an auto wash, auto repair/ filling station, and 5 gas tanks. The railroad spurs and turn-table remain on the majority the subject, but now 4 spurs end south of the northernmost filling station. Property north of W. Baltimore Street include a freight station and a filling station with 4 gas tanks, 3 motor oil tanks, and a building labeled as tire storage and auto grease. The buildings along W. Antietam Street include the Antietam Paper Company, Moose Lodge, Produce, and American Legion. A coal yard is illustrated south of these buildings.

The sanborn maps revealed a history of three filling stations, numerous gas and oil tanks, railroad spurs, and industrial use. Railroad tracks are often associated with creosote timbers, herbicide applications, and possible fuels spills as part of the railroad operation. Railroad ballast material is frequently associated with heavy metal contamination. Historic gas stations operated with little, if any, regulation and are commonly associated with some degree of petroleum contamination. Further the historic printing company could be associated with solvents and other chemicals. The historic uses of the site is considered to be a REC to the subject.

#### **Aerial Photograph Review**

ECS reviewed available historic aerial photographs of the site and surrounding areas for the years 1989, 1999, 2004, 2006 and 2008 at Google Earth. In addition, ECS reviewed a 1958 aerial photograph from the Washington County Soil Survey.

### **City Directory Review**

One of the ASTM standard historic sources to be reviewed for previous site use are local street directories, commonly known as City Directories. The purpose of the directory review is to identify past occupants of the site, adjoining properties, or nearby properties. In some rural areas, street directories information is limited.

Given the substantial historical coverage gained from other sources no city directory review was performed for this assessment.

### **Other Standard Historical Sources**

In accordance with the ASTM Standard, other historical sources should be reviewed, if necessary and if the information is likely to be useful, to obtain historical site use information. Other Standard Historical Sources may include property tax files, recorded land title records, historic USGS topographic maps, building department records, and zoning or land use records.

ECS reviewed the 7.5-minute USGS Topographic Map of the Hagerstown, MD/PA Quadrangle dated 1953 and photorevised in 1985 (Appendix I, Figure 2). The subject property is illustrated as pink, indicating its urban nature. Typically, individual buildings are not illustrated due to the high density; however, one building along Antietam Street, a turntable near Summit Avenue, and seven railroad tracks generally running from north to south are shown on site.

In addition, ECS reviewed select land title records obtained online. For the property of 100 Summit Avenue, which appeared to comprise of most of the subject at one time, it appears as owned by the Washington County Railroad Company (WCRR) from 1867 until 1980. The WCRR purchased the site in 1867 from Susan Fiery, and sold it in 1980 to the Herald Mail Company.

### **Other Local Historical Sources**

Other credible historical sources may be reviewed to identify past uses of the property. These sources may include internet sites, county or State road maps, historical society documents, or local library information.

ECS reviewed an undated photograph crediting the Western Maryland Room of the Washington County Free Public Library (provided by the client) depicting an Amoco gas station at the corner of Summit Avenue and West Antietam Street (present day Herald Mail building location). In addition, Mr. Rodney Tissue of the City of Hagerstown furnished ECS with site plans for the Herald Mail building dated May 24, 1977 and July 31, 1979. The plans illustrated five 4,000 gallon UST's along Summit Avenue in association with a gas service station in the footprint of the proposed Herald Mail building. A railroad spur, railroad house and loading station are shown west of the Antietam Paper Company building. Lastly, a plan dated July 27, 1995 for the F&M Bank (currently the county commissioner building) was provided. The plan illustrated the site with the current building and associated detached ATM building along Hood Street.

### **Freedom of Information (FOIA) Requests**

Written requests for information have been made to the Maryland Department of the Environment (MDE), Washington County Fire and Rescue Department, and the Washington County Department of Health. The MDE responded to ECS the following:

- Case 96-0561WA for the Herald Mail Company at 100 Summit Avenue, for the removal of one 2,000-gallon gasoline and one 20,000-gallon heating oil UST. The case was closed with no soil contamination reported.
- UST registration for D&P Coin Op at 140 Summit Avenue (ID 0009747) dated May 21, 1999, indicating one 1,000-gallon heating oil UST as temporarily out of use.
- RCRA Violation Form for Herald Mail Company (MDD 003077989) dated June 26, 2006 (closure) and August 7, 1989 (open).

The Washington County agencies responded that information relative to our request was not on record.

## **6.0 SITE AND AREA RECONNAISSANCE**

### **6.1 Methodology and Limiting Conditions**

Mr. Erik J. Schaberl of ECS conducted the field reconnaissance on June 22, 2012 and July 5, 2012. The weather at the time of the reconnaissance was approximately 75 degrees Fahrenheit and partly cloudy. Observations were made from a walking reconnaissance around the perimeter boundary, through representative and pertinent building spaces and along several transects through the property. ECS was not authorized to enter the Herald Mail building at 100 Summit Avenue, the Snook Poultry building at 22-26 West Baltimore Street, 25-37 West Antietam Street, or 32 West Baltimore Street. This is considered a limitation of the assessment. Photographs, taken at the time of the site reconnaissance, are included in Appendix V.

### **6.2 On-Site Features**

The site was observed to consist of multiple uses. Parcel 2052 (Herald Mail at 100 Summit Avenue) was observed to be a relatively large warehouse style building (ECS was not permitted entry to the building). A relatively large parking area is located south of the building along Summit Avenue. Parcel 2048 (140 Summit Avenue) is currently D&P Coin Op Laundry, a one-story building with laundry machines. Parcel 2055 (32 West Baltimore Street) is currently a carwash business, called the Baltimore Street Station. Parcel 2046 (80 West Baltimore Street) was observed to be a one-story building for the Washington County Commissioners, and associated parking area. Parcel 2045 is currently the Snooks Poultry building (ECS was not permitted entry to the building). Hood Street cuts through the southwest corner of the subject, connecting Summit Avenue with West Baltimore Street. Further, rails were observed on the northern portion of the subject, emerging from the deteriorating pavement section, indicating at least some of the rail system was left in place and paved over

#### **Underground or aboveground storage tanks**

The following observations were made with regard to aboveground storage tanks and/or underground storage tanks at the site:

One 1,000 gallon heating oil UST is located at 140 Summit Avenue (D&P Coin Op). According to Mr. Baker, the owner, the UST has been out of use for many years. Mr. Baker was unaware of any monitoring wells, tank tightness results, or releases from the tank. The UST is considered to be a REC to the site and should be removed in accordance with the MDE rules and regulations prior to redevelopment.

A 275-gallon heating oil AST in the laundermat replaced the UST, and is currently in use. Evidence of spills or releases were not observed in the vicinity of the AST. This AST is not considered to be a REC to the subject at this time.

Fill and vent pipes were observed along the exterior walls of 25 and 37 West Antietam Street. The fill and vent pipes are commonly associated with heating oil ASTs located in the basement of the structures. ECS was not granted access to the buildings and could not assess the tanks current conditions. This is considered a Business Environmental

Risk (BER) to the site at this time. ECS recommends assessing the AST conditions prior to redevelopment activities at the site.

**Strong, pungent or noxious odors**

We did not notice strong, pungent or noxious odors at the site.

**Surface waters**

We did not observe streams or other surface waters located on the site.

**Standing pools of liquid likely containing petroleum or hazardous substances**

We did not observe standing pools of liquid at the site.

**Drums or containers of petroleum or hazardous substances greater than five-gallons**

We did not observe drums or containers of petroleum or hazardous substances greater than five-gallons at the site.

**Drums or containers of petroleum or hazardous substances less than or equal to five-gallons**

We did not observe drums or containers of petroleum or hazardous substances less than or equal to five-gallons at the site.

**Unidentified opened or damaged containers of hazardous substances or petroleum products**

We did not observe unidentified opened or damaged containers of hazardous substances or petroleum products at the site.

**Known or suspect PCB-containing equipment (excluding light ballasts)**

The following observations were made with regard to known or suspect PCB-containing equipment on the site:

ECS observed utility-owned pole-mounted transformers along West Antietam Street, West Baltimore Street, and Summit Avenue. In addition, pad mounted transformers were observed throughout the site, adjacent to buildings for the Herald Mail, Baltimore Street Station, and the Washington County building. These transformers were not labeled regarding its PCB content; however, no evidence of damage to or release from the transformers was observed during the site reconnaissance. Furthermore, the local electrical utility is responsible for the maintenance and upkeep of the transformer and the site ownership would not be held liable for any release from the transformer, provided the release was not the result of tenant misuse. ECS does not consider the transformers to represent an environmental concern to the project site.

**Stains or corrosion to floors, walls or ceilings**

We did not observe stains or corrosion to floors, walls or ceilings.

**Floor drains and sump pumps**

The following observations were made with regard to floor drains or sump pumps at the site:



ECS observed floor drains in the auto wash areas of 32 West Washington Street. ECS was not granted access to the facility and requests for interview were not returned. However, it is typical for the drains to connect to an onsite oil/water separator, which should be periodically pumped out by an outside contractor.

**Pits, ponds or lagoons**

We did not observe pits, ponds or lagoons at the site.

**Stained soil or pavement**

The following observations were made with regard to stained soils or pavement at the site:

Minor "de minimus" staining was observed at several locations in the parking areas and driveways on the subject. This is not uncommon given the amount of vehicular traffic the site receives. This staining is not considered an environmental concern for the subject.

**Stressed vegetation**

We did not observe stressed vegetation at the site.

**Solid waste mounds or non-natural fill materials**

We did not observe solid waste mounds or non-natural fill materials at the site.

However, the subject was formerly railroad property and fill material and ballast is possible onsite.

**Wastewater discharges into drains, ditches or streams**

The following observations were made with regard to wastewater discharges at the site:

ECS observed floor drains in the auto wash areas. These likely connect to a oil/water separator, which is typically pumped out by an outside contractor.

**Groundwater wells including potable, monitoring, dry, irrigation, injection and/or abandoned**

We did not observe groundwater wells at the site.

**Septic systems or cesspools**

We did not observe evidence of septic systems or cesspools on the site.

**Elevators**

We did not observe elevators on the site.

**Dry Cleaning**

The following observations were made with regard to dry cleaning operations on the site:

According to Mr. Donald Baker, dry-cleaning operation was formerly conducted at 140 Summit Avenue from sometime prior to 1978 until approximately 2000. A 75-100 gallon AST (currently empty) used for chemical storage (TCE or perc) was observed within the

building. Mr. Baker reported that spent filters and TCE was removed from the site by Safety Kleen, a hazardous waste transportation vendor. Historic dry-cleaning operations were not regulated until the late 1980's, and TCE contamination of soil and groundwater may be a concern. ECS considers the historic operation of the site as a drycleaners to be a REC to the site.

#### **Onsite Emergency Electrical Generators**

We did not observe emergency generators on the site.

#### **6.3 Adjoining and Nearby Properties**

The subject is bordered to the north by W. Antietam Street, followed by a district court building and parking area. The site is bordered to the east by St. Johns Lutheran Church (UST, LUST site) and residential and commercial properties. The site is bordered to the south by W. Baltimore Street, followed by residential and commercial properties (former HL Mills, Otis Elevator, Crenshaw Auto repair: LUST, UST, RCRA, FINDS) . The site is bordered to the west by Summit Avenue, followed by residential properties and a Voluntary Fire Department.

## **7.0 ADDITIONAL SERVICES**

### **7.1 Non-Scope Issues**

ASTM guidelines identify non-scope issues, which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. Some of these non-scope issues include; asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands and mold.

We were not authorized to conduct non-scope services for the site.

### **7.2 Previous Reports Review**

We have not conducted previous environmental and/or engineering assessment activities at the site.

We have not been provided with environmental or engineering assessment reports for the site completed by others.

## **8.0 INTERVIEWS**

ECS interviewed Mr. Donald Baker, owner of the 140 Summit Avenue property (Coin Op Laundry) and parcel 2050. Mr. Baker informed ECS that he purchased the property in 1991, but has recollection of the area back to 1978. Reportedly, the 140 Summit Avenue address was formerly a drycleaners from sometime prior to 1978 to approximately 2000, at which time it was converted to a laundromat. An approximately 75-100 gallon AST for TCE was located in a storage room. ECS was informed this was currently empty, and Mr. Baker was unaware of any spills or releases from the tank. Reportedly Safety Kleen removed spent TCE and filters routinely from the site. Mr. Baker also informed ECS that a 1,000-gallon heating oil UST is currently located in the front parking lot, but out of use for many years. Mr. Baker was unaware of any monitoring wells, tank tightness results, or releases from the tank. A 275-gallon heating oil AST in the laundromat replaced the UST. Water is heated by natural gas.

ECS interviewed Mr. Jim Sterling and Mr. Warren Jamison of Washington County Government. Reportedly, elevators, USTs, and ASTs are not associated with the building. Mr. Sterling noted that the only chemical storage in the building was related to some typical cleaning supplies. Mr. Jamison believed the county acquired the building in the mid 1990's, and the building was previously the Community Supermarket, F&M bank, and HL Mills building.

## 9.0 FINDINGS

ECS Mid-Atlantic, LLC (ECS) was contracted by the City of Hagerstown to perform an ASTM Standard E 1527-05, Phase I Environmental Site Assessment (ESA) of the subject. Any exceptions to or deletions from this practice are described in Section 2.0 of this report.

The site is generally located southeast of the intersection of West Antietam Street and Summit Avenue; north of West Baltimore Street; and mostly west of Ayers Alley. The Site includes the addresses of 100 Summit Avenue (Herald Mail Company), built in 1979; 140 Summit Avenue (D&P Coin op Laundry); 80 West Baltimore Street (Washington County Commissioners), built in 1950; 32 West Baltimore Street (Baltimore Street Station Car Wash), built in 1990; 25 West Antietam Street (The Owls Club), built in 1900; 29 West Antietam Street, built in 1900; 31-33 West Antietam Street (former MOOSE Lodge), built in 1905; 37 West Antietam Street (Antietam Paper Company), built in 1900; and 24/26/28 West Baltimore Street, built in 1900. The site is more particularly described as Tax Map #312, Parcels 2046, 2048, 2050, 2052, 2054, 2055, 2056, 2057, 2058, and 2045. Refer to the Site Vicinity Map (Appendix I, Figure 1) for the location of the site in relation to surrounding road networks. A legal description of the property was not provided to ECS.

The site currently consists of multiple uses. Parcel 2052 (100 Summit Avenue) is currently the Herald-Mail Company facility, a local newspaper company with associated parking along Summit Avenue. Parcel 2048 (140 Summit Avenue) is currently D&P Coin Op Laundry. Parcel 2055 (32 West Baltimore Street) is currently a carwash business, with associated parking along Ayers Alley. Parcel 2046 (80 West Baltimore Street) is currently the Washington County Commissioners building, and associated parking. Parcel 2045 is currently Snooks Poultry, a meat wholesaler and retailer. Hood Street cuts through the southwest corner of the subject, connecting Summit Avenue with West Baltimore Street. The remainder of the site appears as parking and access/egress alleys.

The subject is bordered to the north by W. Antietam Street, followed by a district court building and parking area. The site is bordered to the east by St. Johns Lutheran Church (UST, LUST site) and residential and commercial properties. The site is bordered to the south by W. Baltimore Street, followed by residential and commercial properties (former HL Mills, Otis Elevator, Crenshaw Auto repair: LUST, UST, RCRA, FINDS). The site is bordered to the west by Summit Avenue, followed by residential properties and a Voluntary Fire Department.

One 1,000 gallon heating oil UST is located at 140 Summit Avenue. According to Mr. Baker, the owner, the UST has been out of use for many years. Mr. Baker was unaware of any monitoring wells, tank tightness results, or releases from the tank. A 275-gallon heating oil AST in the laundermat replaced the UST, and is currently in use. Evidence of spills or releases were not observed in the vicinity of the AST. This AST is not considered to be a REC to the subject at this time.

Fill and vent pipes were observed along the exterior walls of 25 and 37 West Antietam Street. The fill and vent pipes are commonly associated with heating oil ASTs located in the basement of the structures. ECS was not granted access to the buildings and could not assess the tanks current conditions.

ECS interviewed Mr. Donald Baker, owner of the 140 Summit Avenue property (Coin Op Laundry) and parcel 2050. Mr. Baker informed ECS that he purchased the property in 1991, but has recollection of the area back to 1978. Reportedly, the 140 Summit Avenue address was formerly a drycleaners from sometime prior to 1978 to approximately 2000, at which time it was converted to a laundromat. An approximately 75-100 gallon AST for TCE was located in a storage room. ECS was informed this was currently empty, and Mr. Baker was unaware of any spills or releases from the tank. Reportedly Safety Kleen removed spent TCE and filters routinely from the site.

The site was listed on numerous regulatory databases researched for this assessment. The Herald Mail Company was identified on the LUST, UST, and RCRA databases. The Former Amoco Station (formerly located in the footprint of the Herald Mail building) was identified on the UST database. D&P Coin Op Laundry was identified on the UST, FINDS, and RCRA databases. The Printing Place at 37 W. Antietam Street was identified on the FINDS database. 80 West Baltimore Street was identified on the FINDS database, and on the LUST and UST database as the Community Supermarket.

The sanborn maps revealed a history of three filling stations, numerous gas and oil tanks, railroad spurs, and industrial use. Railroad tracks are often associated with creosote timbers, herbicide applications, and possible fuels spills as part of the railroad operation. Railroad ballast material is frequently associated with heavy metal contamination. Historic gas stations operated with little, if any, regulation and are commonly associated with some degree of petroleum contamination. Further the historic printing company could be associated with solvents and other chemicals. The historic uses of the site is considered to be a REC to the subject.

Data gaps were identified between the 1867 and 2000. Historical information was not reviewed for every five year period, although possible, it does not appear likely that this data gap impacted ECS's ability to identify RECs. Therefore, the lack of historic information related to site usage during these time periods does not appear to represent a significant data gap.

## **10.0 CONCLUSIONS AND OPINIONS**

ECS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the subject site. Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report.

As documented and qualified in this report, this assessment has revealed the following Recognized Environmental Conditions (RECs):

- Based on the historical sources researched, it appears that a majority of the subject was owned and operated by the Washington County Railroad Company from 1867 to 1980. The sanborn maps also revealed a history of numerous gas and oil tanks, railroad spurs (including a turn-table), and industrial use. Railroad tracks can often be associated with creosote timbers, herbicide applications, and possible fuel spills as part of the railroad operation. Ballast material is frequently associated with heavy metal contamination. Further, rails were observed on the northern portion of the subject, emerging from the deteriorating pavement section, indicating at least some of the rail system was left in place and paved over. The historic use of the site as a railroad yard, automotive repair, printing (37 West Antietam Street) are considered to be a REC to the subject.
- Three filling stations were observed on the northwestern (current Herald Mail Building), western (near D&P Coin Op), and southeastern portion of the subject on the 1951 Sanborn map. Historic gas stations operated with little, if any, regulation and are commonly associated with some degree of petroleum contamination. The historic use of the site of gas stations is considered to be a REC to the site.
- One 1,000-gallon heating oil UST is currently out of use for 140 Summit Avenue (Coin-Op Laundry). According to the MDE, a UST greater than 180 days out of service must be removed. This UST is considered a REC to the site, and ECS recommends it be properly removed under the guidance of the MDE.
- A former drycleaners operated at 140 Summit Avenue from prior to 1978 until approximately 2000. Drycleaners are associated with the use of tetrachloroethene (TCE), a solvent commonly used in the dry-cleaning industry. The former use as a drycleaners is considered to be a REC to the site.

As documented and qualified in this report, this assessment has revealed the following Historical Recognized Environmental Conditions (HRECs):

- Herald-Mail Company at 100 Summit Avenue was identified on the Leaking Underground Storage Tank List (LUST). This case (96-0561WA) was listed as "closed" by the MDE. Based on the information above, ECS does not consider this former UST to be a current recognized environmental condition for the subject; however, it would be considered a HREC. Further, the MDE frequently closes cases with low levels of petroleum contamination present that are not a

risk to human health or the environment. Future development grading activities and/or excavations may encounter petroleum contaminated material at the former tank location. If so, impacted material should be properly handled and disposed.

- Community Supermarket, determined to be 80 West Baltimore Street (subject), was identified. This case (95-2029WA) was listed as closed by the MDE. Based on the information above, ECS does not consider this former UST to be a current recognized environmental condition for the subject; however, it would be considered a HREC.

ECS notes the following Business Environmental Risk (BER) for the site:

- Fill and vent pipes were observed along the exterior walls of 25 and 37 West Antietam Street. The fill and vent pipes are commonly associated with heating oil ASTs located in the basement of the structures. ECS was not granted access to the buildings and could not assess the tanks current conditions. ECS recommends assessing the AST conditions prior to redevelopment activities at the site.
- Given the age of construction of some onsite structures (buildings constructed prior to 1978), asbestos-containing materials and lead-based paint are possible. ECS recommends an asbestos and lead-paint survey for the subject prior to any demolition or renovation.
- The subject is located in an EPA radon Zone 1, which means the area has a predicted average indoor radon screening level greater than 4 pCi/L. A level above 4 pCi/L is considered an environmental concern. ECS recommends mitigation be incorporated into future development plans.

Based on the RECs identified above, ECS recommends a Phase II ESA for the subject consisting of soil and groundwater testing in the areas of concern.

ECS considers the historic use of the project site as a rail yard and the former presence of two gasoline filling stations on site to represent a recognized environmental condition (REC) of the project site. As a result, ECS recommends that a limited Phase II Investigation, which includes sampling of soil and/or groundwater and an analytical testing program tailored to address the specific constituents of concern.



## 11.0 REFERENCES

Maryland Department of Taxation and Assessment, <http://www.dat.state.md.us>;

Land records for Washington County, MD, [www.mdlandrecs.net](http://www.mdlandrecs.net);

InfoMap Technologies, Inc. Environmental First Search Report, dated May 25, 2012;

USDA Washington County, MD Soil Survey, aerial photograph dated 1958;

U.S. Geological Survey, 1968; *Geologic Map of Maryland*;

7.5-minute USGS Topographic Map of the Hagerstown, Maryland Quadrangle, dated 1953 and photorevised in 1985.

Sanborn Maps, Enoch Pratt Free Library online. [www.prattlibrary.org](http://www.prattlibrary.org);

Aerial photographs. [www.GoogleEarth.com](http://www.GoogleEarth.com)

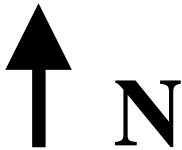
Proposed Herald Mail Site Plan, dated May 24, 1977;

Proposed Herald Mail Site Plan, dated July 31, 1979;

F&M Bank Site Plan, dated July 27 1995.

## **APPENDIX I**

### **FIGURES**



**Subject Site**

**Phase I ESA**

**Hagerstown Baseball Site  
Hagerstown, Maryland**

**05/24/2012**

ECS Mid-Atlantic, LLC  
5112 Pegasus Ct., Suite S  
Frederick, MD 21704

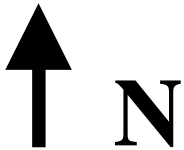
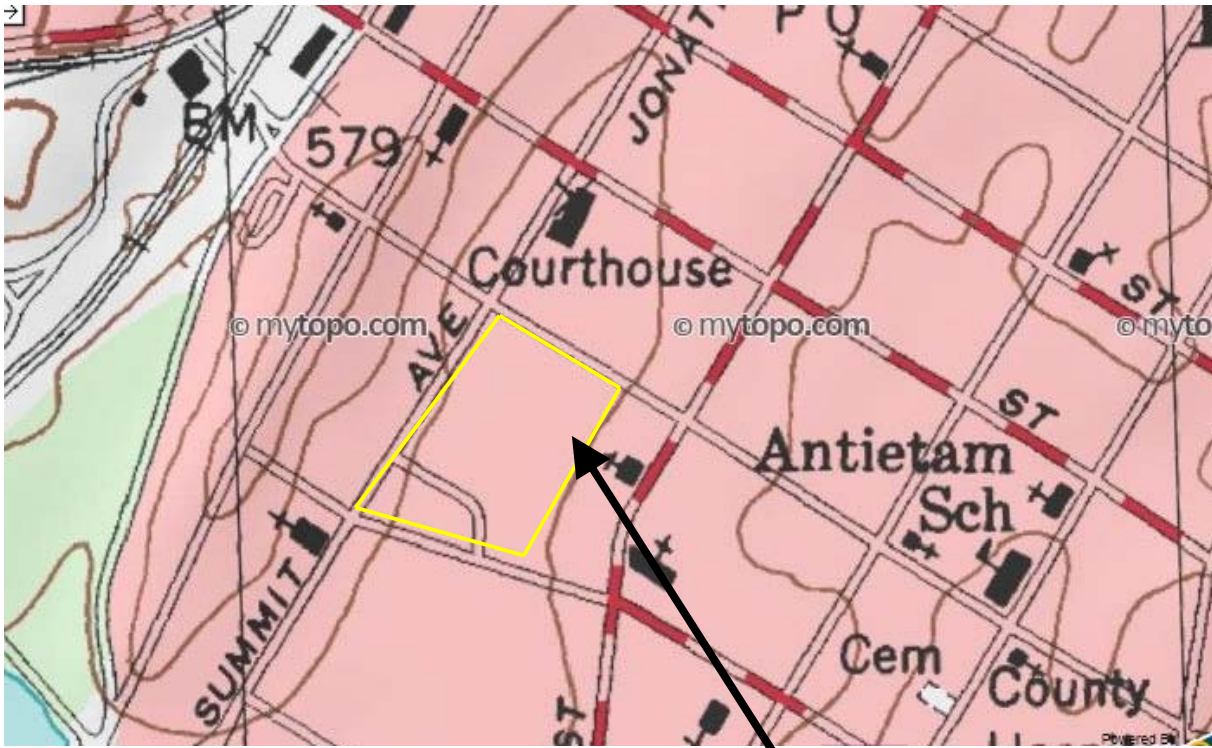


**Figure 1**

**Site Area Map**

**ECS Project No. 13-5048**

**not to scale**



**Subject Site**

**Phase I ESA**

**Hagerstown Baseball Site  
Hagerstown, Maryland**

**05/24/2012**

ECS Mid-Atlantic, LLC  
5112 Pegasus Ct., Suite S  
Frederick, MD 21704

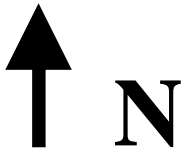


**Figure 2**

**Site Topographic Map**

**ECS Project No. 13-5048**

**not to scale**



**Subject Site**

**Phase I ESA**

**Hagerstown Baseball Site  
Hagerstown, Maryland**

**05/24/2012**

ECS Mid-Atlantic, LLC  
5112 Pegasus Ct., Suite S  
Frederick, MD 21704

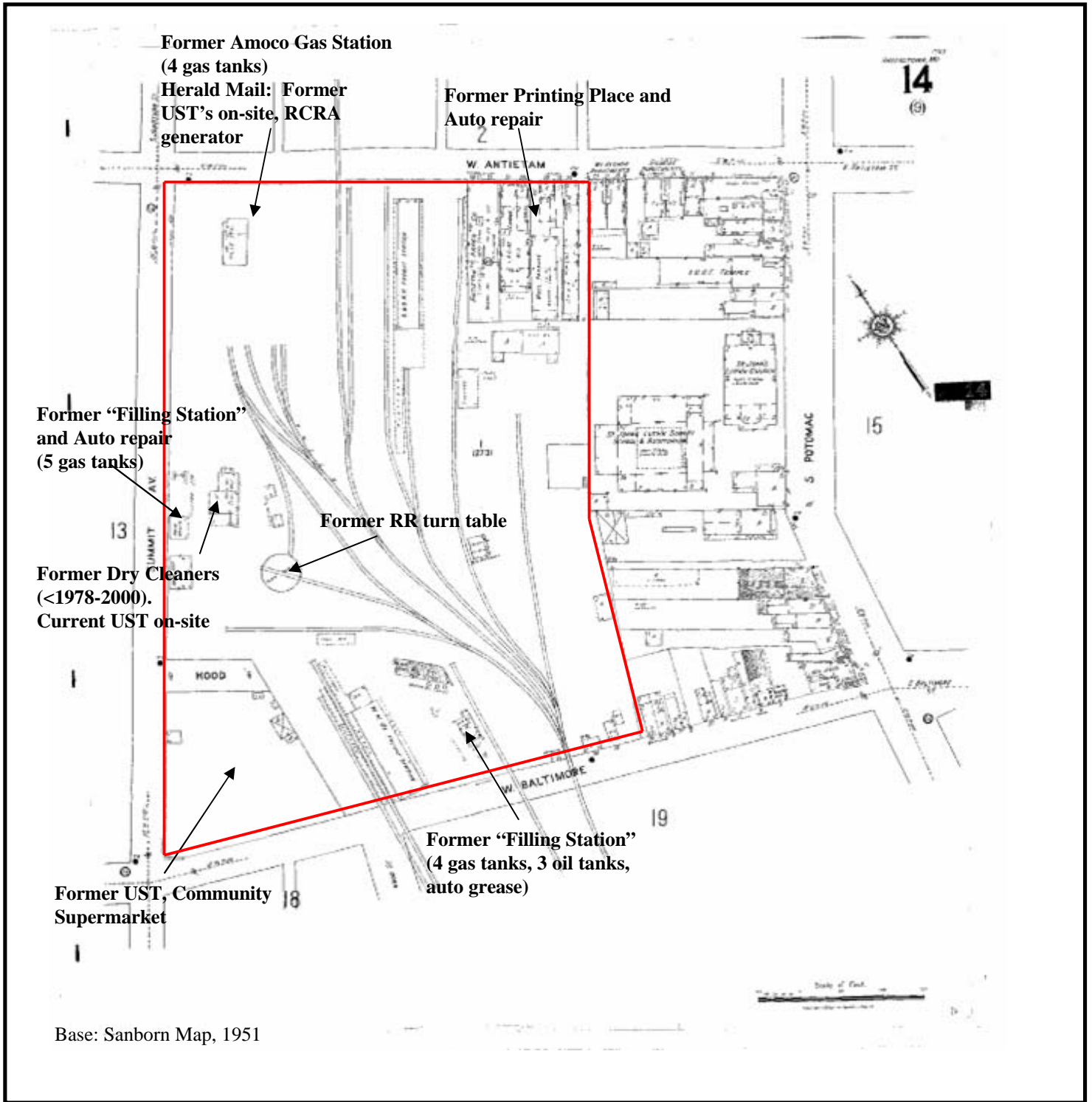


**Figure 3**

**Site Aerial Excerpt**

**ECS Project No. 13-5048**

**not to scale**




**Phase I ESA**

**Hagerstown Baseball Site**  
**Hagerstown, Maryland**

**07/02/2012**

ECS Mid-Atlantic, LLC  
5112 Pegasus Ct., Suite S  
Frederick, MD 21704



**Figure 4**

**Historic Site Use**

**ECS Project No. 13-5048**

not to scale

## **APPENDIX II**

### **CORRESPONDENCE AND USER QUESTIONNAIRE**

A Completed User Questionnaire was not provided.



**APPENDIX III**

**REGULATORY RECORDS DOCUMENTATION**

**InfoMap**  
Technologies Incorporated

**Environmental FirstSearch™ Report**

Target Property: HAGERSTOWN BASEBALL SITE

**100 SUMMIT AVE**  
**HAGERSTOWN MD 21740**

Job Number: 13-5048

**PREPARED FOR:**

ECS Mid-Atlantic, LLC  
5112 Pegasus Court, Suite S  
Frederick, MD 21703

05-25-12



*Tel: (610) 430-7530*

*Fax: (610) 430-7535*

# *Environmental FirstSearch Search Summary Report*

**Target Site:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

## **FirstSearch Summary**

<b>Database</b>	<b>Sel</b>	<b>Updated</b>	<b>Radius</b>	<b>Site</b>	<b>1/8</b>	<b>1/4</b>	<b>1/2</b>	<b>1/2&gt;</b>	<b>ZIP</b>	<b>TOTALS</b>
NPL	Y	05-09-12	1.25	0	0	1	0	0	0	1
NPL Delisted	Y	05-09-12	0.75	0	0	0	0	0	0	0
CERCLIS	Y	04-30-12	0.75	0	0	0	0	0	0	0
NFRAP	Y	04-30-12	0.75	0	0	0	2	1	2	5
RCRA COR ACT	Y	03-13-12	1.25	0	0	0	0	0	0	0
RCRA TSD	Y	03-13-12	0.75	0	0	0	0	0	0	0
RCRA GEN	Y	03-13-12	0.33	1	3	3	4	-	3	14
Federal Brownfield	Y	05-01-12	0.75	0	0	2	3	3	4	12
ERNS	Y	04-13-12	0.15	0	0	0	-	-	1	1
Tribal Lands	Y	12-15-08	1.25	0	0	0	0	0	1	1
State/Tribal Sites	Y	01-03-12	1.25	0	0	1	2	8	3	14
State Spills 90	Y	02-01-12	0.15	0	0	0	-	-	0	0
State/Tribal SWL	Y	07-01-09	0.75	0	0	0	1	0	0	1
State/Tribal LUST	Y	02-01-12	0.75	0	11	23	64	53	52	203
State/Tribal UST/AST	Y	02-01-12	0.33	0	14	32	21	-	1	68
State/Tribal VCP	Y	01-03-12	0.75	0	0	0	0	0	0	0
State/Tribal Brownfields	Y	01-03-12	0.75	0	0	1	0	1	0	2
FINDS	Y	05-29-09	0.33	2	15	40	28	-	16	101
TRIS	Y	01-04-12	0.33	0	0	0	0	-	0	0
PADS	Y	10-21-11	0.33	0	0	0	0	-	0	0
Federal IC/EC	Y	03-13-12	0.75	0	0	0	0	0	0	0
- TOTALS -				3	43	103	125	66	83	423

### **Notice of Disclaimer**

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to InfoMap Technologies, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in InfoMap Technologies's databases. All EPA sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent NPL and state landfill the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

### **Waiver of Liability**

Although InfoMap Technologies uses its best efforts to research the actual location of each site, InfoMap Technologies does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of InfoMap Technologies's services proceeding are signifying an understanding of InfoMap Technologies's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch  
Site Information Report***

**Request Date:** 05-25-12  
**Requestor Name:** Erik Schaberl  
**Standard:** AAI

**Search Type:** COORD  
**Job Number:** 13-5048  
**Filtered Report**

**Target Site:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

*Demographics*

<b>Sites:</b> 423	<b>Non-Geocoded:</b> 83	<b>Population:</b> NA
<b>Radon:</b> 0.3 - 29.2 PCI/L		

*Site Location*

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>	<u>UTMs</u>
<b>Longitude:</b>	-77.723579	-77:43:25	<b>Easting:</b> 266278.808
<b>Latitude:</b>	39.640474	39:38:26	<b>Northing:</b> 4391190.668
<b>Elevation:</b>	564		<b>Zone:</b> 18

*Comment*

**Comment:**

*Additional Requests/Services*

<b>Adjacent ZIP Codes:</b> 0 Mile(s)	<b>Services:</b>																																		
<table border="1"> <thead> <tr> <th>ZIP Code</th> <th>City Name</th> <th>ST</th> <th>Dist/Dir</th> <th>Sel</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	ZIP Code	City Name	ST	Dist/Dir	Sel						<table border="1"> <thead> <tr> <th></th> <th>Requested?</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Fire Insurance Maps</td> <td>No</td> <td></td> </tr> <tr> <td>Aerial Photographs</td> <td>No</td> <td></td> </tr> <tr> <td>Historical Topos</td> <td>No</td> <td></td> </tr> <tr> <td>City Directories</td> <td>No</td> <td></td> </tr> <tr> <td>Title Search/Env Liens</td> <td>No</td> <td></td> </tr> <tr> <td>Municipal Reports</td> <td>No</td> <td></td> </tr> <tr> <td>Online Topos</td> <td>No</td> <td></td> </tr> </tbody> </table>		Requested?	Date	Fire Insurance Maps	No		Aerial Photographs	No		Historical Topos	No		City Directories	No		Title Search/Env Liens	No		Municipal Reports	No		Online Topos	No	
ZIP Code	City Name	ST	Dist/Dir	Sel																															
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# Environmental FirstSearch

## Sites Summary Report

**Target Property:** 100 SUMMIT AVE  
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**JOB:** 13-5048

**TOTAL:** 423      **GEOCODED:** 340      **NON GEOCODED:** 83      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID	ElevDiff
1	UST	D and P COIN-OP LAUNDRY 6012007/INACTIVE	140 SUMMIT AVE HAGERSTOWN MD 21740	0.06 NW	1	0
2	FINDS	D and P COIN OP MDD981105919	140 SUMMIT AVE HAGERSTOWN MD 21740	0.06 NW	1	0
3	FINDS	D and P COIN OP LAUNDRY and DR 110001838101/FRS	140 SUMMIT AVE HAGERSTOWN MD 21740	0.06 NW	1	0
5	RCRAGN	D and P COIN-OP MDD981105919/VGN	140 SUMMIT AVE HAGERSTOWN MD 21740	0.06 NW	1	0
6	FINDS	PRINTING PLACE, THE 110001295072/FRS	37 ANTIETAM STREET, WEST HAGERSTOWN MD 21740	0.07 NE	2	+ 23
6	FINDS	PRINTING PLACE MD0001429208	37 ANTIETAM STREET, WEST HAGERSTOWN MD 21740	0.07 NE	2	+ 23
7	UST	COMMUNITY SUPERMARKET 6012010/INACTIVE	WEST BALTIMORE ST HAGERSTOWN MD 21740	0.08 SW	3	- 6
8	LUST	COMMUNITY SUPERMARKET 95-2029WA/CLOSED	WEST BALTIMORE ST HAGERSTOWN MD 21742	0.08 SW	3	- 6
10	UST	H.L. MILLS, INC. 3012211/HISTORICAL	45 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.08 SW	4	- 7
12	UST	H. L. MILLS, INC. 19158/INACTIVE	45 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.08 SW	4	- 7
15	RCRAGN	CRENSHAW AUTO REPAIR MDD985403294/VGN	67 WEST BALTIMORE ST STE 10 HAGERSTOWN MD 21740	0.09 SW	5	+ 2
16	FINDS	CRENSHAW AUTO REPAIR 110003530661/FRS	67 WEST BALTIMORE ST STE 10 HAGERSTOWN MD 21740	0.09 SW	5	+ 2
17	FINDS	CRENSHAW AUTO REPAIR MDD985403294	67 WEST BALTIMORE ST STE 10 HAGERSTOWN MD 21740	0.09 SW	5	+ 2
18	LUST	THE HERALD MAIL CO 96-0561WA/CLOSED	100 SUMMIT AVE HAGERSTOWN MD 21742	0.09 NW	6	+ 29
19	UST	HERALD MAIL COMPANY 3011903/INACTIVE	100 SUMMIT AVE HAGERSTOWN MD 21740	0.09 NW	6	+ 29
20	FINDS	HERALD MAIL PUBLISHING CO MDD003077989	100 SUMMIT AVE HAGERSTOWN MD 21740	0.09 NW	6	+ 29
22	RCRAGN	HERALD MAIL PUBLISHING COMPANY MDD003077989/VGN	100 SUMMIT AVE HAGERSTOWN MD 21740	0.09 NW	6	+ 29
23	FINDS	HERALD MAIL PUBLISHING 110001793471/FRS	100 SUMMIT AVE HAGERSTOWN MD 21740	0.09 NW	6	+ 29
24	FINDS	UNIKOTE MDD985411610	18 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.09 NE	7	+ 12
25	FINDS	UNIKOTE 110003533560/FRS	18 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.09 NE	7	+ 12
27	RCRAGN	UNIKOTE MDD985411610/VGN	18 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.09 NE	7	+ 12

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28	FINDS	POTOMAC TOWERS 110001793257/FRS	35 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.09 SE	8	+ 10
28	UST	H. L. MILLS, INC. 19090/INACTIVE	55 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.09 SW	9	- 2
29	UST	H. L. MILLS, INC. 6012009/HISTORICAL	55 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.09 SW	9	- 2
29	LUST	FORMER H.L. MILLS INC 10-0685WA/CLOSED	55 W BALTIMORE ST HAGERSTOWN MD 21740	0.09 SW	9	- 2
30	UST	ST. JOHN S LUTHERAN CHURCH 6013244/HISTORICAL	141 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.10 SE	10	+ 34
30	UST	SAINT JOHN S LUTHERAN CHURCH 19104/INACTIVE	141 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.10 SE	10	+ 34
31	FINDS	HAGERSTOWN CHILDREN S SCHOOL 110038395260/FRS	141 S POTOMAC ST HAGERSTOWN MD 21740	0.10 SE	10	+ 34
31	LUST	ST JOHNS LUTHERAN CHURCH 12-0031WA/OPEN	141 S POTOMAC ST HAGERSTOWN MD 21740	0.10 SE	10	+ 34
32	FINDS	WASHINGTON COUNTY MS4 110019908965/FRS	80 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.10 SW	11	+ 2
33	UST	AMOCO OIL COMPANY 19156/INACTIVE	ANTIETAM STREET and SUMMIT HAGERSTOWN MD 21740	0.10 NW	12	+ 28
34	UST	FORMER AMOCO STATION 3012107/HISTORICAL	ANTIETAM ST. and SUMMIT AVE HAGERSTOWN MD 21740	0.10 NW	13	+ 28
35	LUST	BELL ATLANTIC 96-1092WA/CLOSED	100 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.10 NW	14	+ 26
35	FINDS	BALTIMORE STREET, WEST 11 (WCH 110019890322/FRS	11 BALTIMORE STREET, WEST HAGERSTOWN MD 21740	0.11 SE	15	+ 27
36	LUST	POTOMAC TOWERS 97-0182WA/CLOSED	11 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.11 SE	15	+ 27
37	UST	POTOMAC TOWERS 3011870/ACTIVE	11 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.11 SE	15	+ 27
38	FINDS	BALTIMORE ST W MD0000732545	11 BALTIMORE ST, WEST HAGERSTOWN MD 21740	0.11 SE	15	+ 27
39	LUST	POTOMAC TOWERS 99-2041WA/CLOSED	11 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.11 SE	15	+ 27
39	FINDS	COPPER KETTLE MD0001216092	158 1/2 POTOMAC ST HAGERSTOWN MD 21740	0.11 SE	16	+ 23
40	FINDS	COPPER KETTLE 110001296437/FRS	158 1/2 POTOMAC ST HAGERSTOWN MD 21740	0.11 SE	16	+ 23
40	LUST	BAGS BY MIMI 00-0266WA/CLOSED	140 SOUTH POTOMAC ST HAGERSTOWN MD 21742	0.11 SE	17	+ 31

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41	UST	BAGS BY MIMI 6012064/INACTIVE	140 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.11 SE	17	+ 31
42	LUST	SOLIDAY OIL CO 92-3040WA/CLOSED	105-107 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.11 SE	18	+ 50
42	LUST	WA COUNTY FREE LIBRARY 11-0629WA/CLOSED	100 S POTOMAC ST HAGERSTOWN MD 21740	0.12 SE	19	+ 43
43	UST	WASHINGTON COUNTY FREE LIBRARY 20118/INACTIVE	100 S POTOMAC ST HAGERSTOWN MD 21740	0.12 SE	19	+ 43
43	LUST	CITY OF HAGERSTOWN 03-0440WA/CLOSED	14 ANTIETAM ST HAGERSTOWN MD 21742	0.12 NE	20	+ 47
44	FINDS	EXXON CO USA 26129 MDD985389360	31 SUMMIT AVE HAGERSTOWN MD 21740	0.13 NE	21	+ 36
45	FINDS	EXXON RAS 26129 110003526569/FRS	31 SUMMIT AVE HAGERSTOWN MD 21740	0.13 NE	21	+ 36
46	LUST	STEWART S EXXON 91-1866WA/CLOSED	SUMMITT AVE HAGERSTOWN MD 21740	0.13 NE	21	+ 36
48	RCRAGN	EXXON RAS 26129 MDD985389360/VGN	31 SUMMIT AVE HAGERSTOWN MD 21740	0.13 NE	21	+ 36
49	FINDS	VERIZON MARYLAND INC 110003516990/FRS	120 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.13 NW	22	+ 31
49	FINDS	VERIZON - 120 WEST ANTIETAM ST 110019891367/FRS	120 ANTIETAM STREET, WEST HAGERSTOWN MD 21740	0.13 NW	22	+ 31
50	UST	HAGERSTOWN WIRE CENTER (32553) 3012144/HISTORICAL	120 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.13 NW	22	+ 31
51	UST	HAGERSTOWN WC (GLC-32553) 7799/ACTIVE	120 ANTIETAM ST HAGERSTOWN MD 21740	0.13 NW	22	+ 31
52	FINDS	CHESAPEAKE and POTOMAC TELEPHO MDD980721997	120 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.13 NW	22	+ 31
53	FINDS	MOUNT HOPE PRISON MINISTRY MD0000794859	25 SUMMIT AVE HAGERSTOWN MD 21740	0.13 NE	23	+ 35
54	FINDS	MOUNT HOPE PRISON MINISTRY 110001773974/FRS	25 SUMMIT AVE HAGERSTOWN MD 21740	0.13 NE	23	+ 35
54	LUST	C and P TELEPHONE 93-0585WA/CLOSED	33 SUMMIT AVE HAGERSTOWN MD 21740	0.13 NE	24	+ 35
55	UST	HOME FEDERAL SAVINGS BANK 6013168/ACTIVE	33 SUMMIT AVE HAGERSTOWN MD 21740	0.13 NE	24	+ 35
56	FINDS	DWYER CENTER 110001831901/FRS	113 BALTIMORE STREET, WEST HAGERSTOWN MD 21740	0.14 SW	25	+ 25
57	FINDS	DWYER CTR MD0001262591	113 BALTIMORE ST, WEST HAGERSTOWN MD 21740	0.14 SW	25	+ 25

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58	UST	DWYER CENTER 3013437/INACTIVE	112 WEST BALTIMORE ST HAGERSTOWN MD 21740	0.14 SW	26	+ 25
59	UST	E. MASON HENDRICKSON 6012060/INACTIVE	137 SOUTH PROSPECT ST HAGERSTOWN MD 21740	0.15 NW	27	+ 51
60	LUST	HENDRICKSON PROPERTY 99-2746WA/CLOSED	137 SOUTH PROSPECT ST HAGERSTOWN MD 21740	0.15 NW	27	+ 51
62	RCRAGN	HUB CITY AUTO BODY INC MDD981106743/LGN	30 E BALTIMORE ST HAGERSTOWN MD 21740	0.16 SE	28	+ 7
64	FINDS	MASSEY FORD BODY SHOP MD0001262542	E BALTIMORE ST HAGERSTOWN MD 21740	0.16 SE	28	+ 7
65	UST	MASSEY AUTO BODY SHOP 6012091/INACTIVE	30 E BALTIMORE ST HAGERSTOWN MD 21740	0.16 SE	28	+ 7
66	FINDS	HUB CITY AUTO BODY INC MDD981106743	30 E BALTIMORE ST HAGERSTOWN MD 21740	0.16 SE	28	+ 7
67	FINDS	HUB CITY AUTO BODY INC 110003518426/FRS	30 E BALTIMORE ST HAGERSTOWN MD 21740	0.16 SE	28	+ 7
67	FINDS	MASSEY AUTO BODY 110019890858/FRS	30 E BALTIMORE ST HAGERSTOWN MD 21740	0.16 SE	28	+ 7
68	FINDS	MASSEY COLLISION CENTER 110002469365/FRS	30 E BALTIMORE ST HAGERSTOWN MD 21740	0.16 SE	28	+ 7
68	FINDS	EXPRESS PRINTING MDD985377779	25 EAST ANTIETAM ST HAGERSTOWN MD 21740	0.16 SE	29	+ 10
69	FINDS	ONE HOUR MARTINIZING MD0000795229	45 POTOMAC STREET, SOUTH HAGERSTOWN MD 21740	0.16 NE	30	+ 27
71	FINDS	ONE HOUR MARTINIZING 110001261296/FRS	45 POTOMAC STREET, SOUTH HAGERSTOWN MD 21740	0.16 NE	30	+ 27
72	UST	COURT HOUSE ANNEX 299/INACTIVE	24 SUMMIT AVE HAGERSTOWN MD 21740	0.16 NE	31	+ 29
73	UST	BOARD OF WASHINGTON CO. COMMIS 3013436/HISTORICAL	WASH. CO. CT. HOUSE and ANN HAGERSTOWN MD 21740	0.16 NE	31	+ 29
73	UST	WASHINGTON CO. COURT HOUSE ANN 3013430/HISTORICAL	SUMMIT AVE HAGERSTOWN MD 21740	0.16 NE	31	+ 29
75	RCRAGN	DALLAS ALICE INC MDD985421189/SGN	246 SUMMIT AVE HAGERSTOWN MD 21740	0.17 SW	32	+ 16
76	FINDS	DALLAS ALICE INC 110003536898/FRS	246 SUMMIT AVE HAGERSTOWN MD 21740	0.17 SW	32	+ 16
77	FINDS	DALLAS ALICE INC MDD985421189	246 SUMMIT AVE HAGERSTOWN MD 21740	0.17 SW	32	+ 16
78	FINDS	PETER PAN CLEANERS 110001260885/FRS	31 BALTIMORE STREET, EAST HAGERSTOWN MD 21740	0.17 SE	33	+ 9



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79	FINDS	PETER PAN CLEANERS MD0000795245	31 BALTIMORE STREET, EAST HAGERSTOWN MD 21740	0.17 SE	33	+ 9
80	LUST	PARKING DECK SITE 05-0955WA/CLOSED	32 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.17 NE	34	+ 23
81	UST	A and E PARKING DECK 19587/INACTIVE	32 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.17 NE	34	+ 23
82	LUST	ST. JOHNS EPISCOPAL CHURCH 93-0841WA/CLOSED	101 SOUTH PROSPECT HAGERSTOWN MD 21740	0.17 NW	35	+ 63
82	UST	SAINT JOHN S EPISCOPAL CHURCH 3012127/HISTORICAL	101 SOUTH PROSPECT ST HAGERSTOWN MD 21740	0.17 NW	35	+ 63
83	LUST	CITY OF HAGERSTOWN/COURT HOUSE 97-1755WA/CLOSED	95 WEST WASHINGTON ST. (BEH HAGERSTOWN MD 21740	0.17 NE	36	+ 31
85	FEDBF	UNIVERSITY OF MARYLAND HAGERST 10000003-10186/EPA BROWNFIELD	35 WEST W. WASHINGTON AND HAGERSTOWN MD 21740	0.17 NE	37	+ 38
86	FINDS	HAGERSTOWN TRUST COMPANY 110019891937/FRS	83 WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	38	+ 24
86	FINDS	MARYLAND CLASSICS MD0001262773	28 POTOMAC ST, SOUTH HAGERSTOWN MD 21740	0.18 NE	39	+ 22
87	FINDS	MARYLAND CLASSICS 110001319886/FRS	28 POTOMAC STREET, SOUTH HAGERSTOWN MD 21740	0.18 NE	39	+ 22
87	LUST	ALVIN MASSEY PROPERTY 98-1788WA/CLOSED	40 EAST BALTIMORE ST HAGERSTOWN MD 21740	0.18 SE	40	+ 7
88	FINDS	MEADOWHAWK FARMS 110001793211/FRS	40 EAST BALTIMORE ST HAGERSTOWN MD 21740	0.18 SE	40	+ 7
88	LUST	BESTER FLOWER SHOP 92-0681WA/CLOSED	40 EAST BALTIMORE ST HAGERSTOWN MD 21740	0.18 SE	40	+ 7
89	FINDS	MEADOWHAWK FARMS MD0000794891	40 EAST BALTIMORE ST HAGERSTOWN MD 21740	0.18 SE	40	+ 7
90	FINDS	UNIVERSITY OF MARYLAND HAGERST 110015335555/FRS	35-46 W WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	41	+ 32
91	STATE	UNIVERSITY OF MD - HAGERSTOWN 681/ERRP	35-46 W WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	41	+ 43
92	BROWNFIELD	UNIVERSITY OF MD - HAGERSTOWN BF-1694/BROWNFIELD	35-46 W WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	41	+ 43
94	FEDBF	UNIVERSITY OF MARYLAND HAGERST 10000003-42/EPA BROWNFIELD	35-46 W WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	41	+ 43
95	LUST	WASHINGTON COUNTY COURTHOUSE 05-0793WA/CLOSED	95 WEST WASHINGTON ST HAGERSTOWN MD	0.18 NE	42	+ 33
96	UST	COURT HOUSE ANNEX 304/INACTIVE	95 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	42	+ 33

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97	FINDS	110019881537/FRS	95 WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	42	+ 33
97	UST	BRYAN CENTRE 6012022/INACTIVE	82 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	43	+ 27
98	LUST	BRYAN CENTER 95-1274WA/CLOSED	82 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	43	+ 27
98	LUST	BRYAN CENTRE 11-0754WA/OPEN	82 W WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	43	+ 27
99	LUST	MARYLAND THEATRE 98-1365WA/CLOSED	21 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.18 NE	44	+ 24
100	UST	THE MARYLAND THEATRE 6012088/INACTIVE	21 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.18 NE	44	+ 24
101	LUST	DEMCORE 10-0033WA/OPEN	13 S POTOMAC ST/HAGERSROW HAGERSTOWN MD 21740	0.18 NE	45	N/A
101	LUST	SUSQUEHANNA BANK 11-0679WA/OPEN	59 W WASHINGTON ST HAGERSTOWN MD 21740	0.18 NE	46	+ 31
102	UST	COUNTY OFFICE BUILDING 3013438/INACTIVE	33 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.19 NE	47	+ 40
103	FINDS	SUBDISTRICT NO 4 SHARPSBURG MD0001618156	33 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.19 NE	47	+ 40
104	FINDS	WASHINGTON COUNTY ADMINISTRATI 110019882670/FRS	100 WASHINGTON ST HAGERSTOWN MD 21740	0.19 NE	48	+ 27
104	UST	FORMER ELKS CLUB 19155/INACTIVE	7 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.19 NE	49	+ 30
105	UST	FORMER ELKS CLUB 3011859/HISTORICAL	7 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.19 NE	49	+ 30
105	UST	BARBARA INGRAM SCHOOL FOR THE 19789/INACTIVE	7 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.19 NE	49	+ 30
106	LUST	BARBARA INGRAM SCHL FOR THE AR 09-0477WA/CLOSED	7 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.19 NE	49	+ 30
106	UST	GROH, VINCENT R. 3011858/HISTORICAL	15 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.19 NE	50	+ 27
107	UST	VINCENT R. GROH 19154/INACTIVE	15 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.19 NE	50	+ 27
108	LUST	ALL FIRST BANK 01-0931WA/CLOSED	101 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.19 NE	51	+ 28
108	LUST	CAUFMAN FUNERAL HOME 93-2862WA/CLOSED	40 EAST ANTIETAM ST HAGERSTOWN MD 21740	0.19 SE	52	+ 8
109	UST	SAINT JOHN S EPISCOPAL CHURCH 19312/INACTIVE	101 SOUTH PROSPECT ST HAGERSTOWN MD 21740	0.20 NW	53	+ 56

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Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID	ElevDiff
110	FINDS	ALEXANDER HOUSE 110001793220/FRS	7 WASHINGTON STREET, EAST HAGERSTOWN MD 21740	0.21 NE	54	+ 22
110	LUST	ALEXANDER HOUSE 98-0928WA/CLOSED	7 EAST WASHINGTON CT HAGERSTOWN MD 21740	0.21 NE	54	+ 22
111	UST	ALEXANDER HOUSE, INC. 6013248/INACTIVE	7 EAST WASHINGTON ST HAGERSTOWN MD 21740	0.21 NE	54	+ 22
112	FINDS	ALEXANDER HOUSE MD0000794966	7 WASHINGTON STREET, EA HAGERSTOWN MD 21740	0.21 NE	54	+ 22
113	UST	HOME FEDERAL SAVINGS BANK 19231/ACTIVE	128 W WASHINGTON ST HAGERSTOWN MD 21740	0.21 NE	55	+ 33
114	LUST	HOME FEDERAL SAVINGS BANK 94-0395WA/CLOSED	128 W WASHINGTON ST HAGERSTOWN MD 21740	0.21 NE	55	+ 33
114	UST	HOME FEDERAL SAVINGS BANK 6013169/HISTORICAL	128 W WASHINGTON ST HAGERSTOWN MD 21740	0.21 NE	55	+ 33
115	LUST	FRIDINGER/RITCHIE COMPANY 91-0577WA/CLOSED	132 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.21 NE	56	+ 39
116	FINDS	110020933837/FRS	CITY HALL 1 NORTH POTOMAC S HAGERSTOWN MD 21740	0.22 NE	57	N/A
117	FINDS	PRO WASH 110001838343/FRS	18 WASHINGTON STREET, EAST HAGERSTOWN MD 21740	0.23 NE	58	+ 11
118	UST	GARLOCK MANOR, L.L.C. 9002/ACTIVE	241 SOUTH PROSPECT ST HAGERSTOWN MD 21740	0.23 SW	59	+ 39
119	FINDS	BMD WELDING and FABRICATION MD0000732859	89 LEE STREET, WEST HAGERSTOWN MD 21740	0.24 SW	60	- 1
120	FINDS	BMD WELDING and FABRICATION 110001793186/FRS	89 LEE STREET, WEST HAGERSTOWN MD 21740	0.24 SW	60	- 1
120	FINDS	R AND M METFAB INDUSTRIES 110006619677/FRS	89 LEE STREET, WEST HAGERSTOWN MD 21740	0.24 SW	60	- 1
121	FINDS	RandM METFAB IND MDD985377795	89 WEST LEE ST HAGERSTOWN MD 21740	0.24 SW	60	- 1
122	FINDS	DALLAS ALICE MT SCREEN PRINTIN MD0000732669	94 WEST LEE ST HAGERSTOWN MD 21740	0.24 SW	61	+ 8
123	FINDS	DALLAS ALICE/ MT. SCREEN PRINT 110001793480/FRS	94 WEST LEE ST HAGERSTOWN MD 21740	0.24 SW	61	+ 8
124	UST	HENRY D. BURKETT and E. SCHUHL 3011899/HISTORICAL	300 SUMMIT AVE HAGERSTOWN MD 21740	0.24 SW	62	+ 9
125	LUST	CHICK SEAFOOD RESTAURANT 91-2039WA/CLOSED	SUMMIT AVE HAGERSTOWN MD 21740	0.24 SW	62	+ 9
125	LUST	MEINEKE MUFFLERS/TOM S GULF CE 91-2233WA/CLOSED	37 NORTH JONATHAN ST HAGERSTOWN MD 21740	0.24 NE	63	+ 22

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126	UST	MEINEKE MUFFLER 3012164/HISTORICAL	37 NORTH JONATHAN ST HAGERSTOWN MD 21740	0.24 NE	63	+ 22
127	UST	TOMS GULF CENTER 19314/INACTIVE	37 NORTH JONATHAN ST HAGERSTOWN MD 21740	0.24 NE	63	N/A
128	LUST	UNKNOWN 05-1054WA/CLOSED	215-219 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.24 NW	64	+ 47
129	UST	UNKNOWN HAGERSTOWN 19690/INACTIVE	215-219 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.24 NW	64	+ 47
131	NPL	CENTRAL CHEMICAL (HAGERSTOWN) MDD003061447/FINAL	49 NORTH JOHNATHAN ST HAGERSTOWN MD 21740	0.25 NE	65	N/A
135	UST	R. E. MICHEL COMPANY, INC. 19172/INACTIVE	36 WEST LEE ST HAGERSTOWN MD 21740	0.25 SW	66	- 7
136	UST	R.E. MICHEL COMPANY, INC. 6012144/HISTORICAL	36 WEST LEE ST HAGERSTOWN MD 21740	0.25 SW	66	- 7
136	UST	THREE STORY BRICK OFFICE BUILD 10629/ACTIVE	49 NORTH JONATHAN HAGERSTOWN MD 21740	0.25 NE	67	+ 25
137	UST	ST. MARY CHURCH and SCHOOL 32 12426/INACTIVE	224 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.26 NW	68	+ 43
138	FINDS	ST. MARYS SCHOOL 110001767339/FRS	218-224 WASHINGTON STREET, HAGERSTOWN MD 21740	0.26 NW	68	+ 43
139	FINDS	ST MARYS SCH MD0000795195	218-224 WASHINGTON ST HAGERSTOWN MD 21740	0.26 NW	68	+ 43
140	LUST	ELIZABETH COURT APARTMENTS 99-0483WA/CLOSED	55 EAST WASHINGTON ST HAGERSTOWN MD	0.26 NE	69	- 9
141	UST	ELIZABETH COURT APARTMENTS 6013218/INACTIVE	55 EAST WASHINGTON ST HAGERSTOWN MD 21740	0.26 NE	69	- 9
142	FINDS	ONE HOUR PROFESSIONAL CLNRS 110003545236/FRS	55 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	70	+ 22
143	FINDS	ONE HOUR MARTINIZING MD0000795237	57 FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	70	+ 22
144	FINDS	ONE HOUR PROFESSIONAL CLNRS MD0002185171	55 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	70	+ 22
145	FINDS	ONE HOUR MARTINIZING 110038970156/FRS	57 FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	70	+ 22
147	FINDS	ONE HOUR MARTINIZING 110001261303/FRS	57 FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	70	+ 22
149	RCRAGN	ONE HOUR PROFESSIONAL CLNRS MDR000014357/SGN	55 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	70	+ 22
150	LUST	WALNUT TOWERS 02-0362WA/CLOSED	12 SOUTH WALNUT ST HAGERSTOWN MD 21740	0.27 NW	71	+ 52

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151	UST	WALNUT TOWERS 3011869/ACTIVE	12 SOUTH WALNUT ST HAGERSTOWN MD 21740	0.27 NW	71	+ 52
152	FINDS	WALNUT STREET, SOUTH 12 110001838879/FRS	12 WALNUT STREET, SOUTH HAGERSTOWN MD 21740	0.27 NW	71	+ 52
152	FINDS	WALNUT TOWERS 110019882787/FRS	12 WALNUT HAGERSTOWN MD 21740	0.27 NW	71	+ 52
153	UST	GRAND PIANO WAREHOUSE 16040/INACTIVE	25 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	72	+ 29
154	LUST	GRAND PIANO WAREHOUSE 05-0043WA/CLOSED	25 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.27 NE	72	+ 29
155	UST	PARK CIRCLE SERVICE CENTER 3012024/HISTORICAL	319 SUMMIT AVE HAGERSTOWN MD 21740	0.27 SW	73	- 2
156	UST	PARK CIRCLE SERVICE CENTER 15522/INACTIVE	319 SUMMIT AVE HAGERSTOWN MD 21740	0.27 SW	73	- 2
157	FINDS	HAGERSTOWN LIGHT and HEAT CO MDD981115181	SOUTH LOCUST ST HAGERSTOWN MD 21740	0.28 SW	74	- 8
158	NFRAP	HAGERSTOWN - AMERICAN LIGHT an MDD981108574/NFRAP-N	SPRUCE ST HAGERSTOWN MD 21740	0.28 SW	74	- 8
159	NFRAP	HAGERSTOWN LIGHT and HEAT CO MDD981115181/NFRAP-N	SOUTH LOCUST ST HAGERSTOWN MD 21740	0.28 SW	74	- 8
160	STATE	HAGERSTOWN LIGHT AND HEAT - LO 246/STATE MASTER LIST	SOUTH LOCUST ST HAGERSTOWN MD 21740	0.28 SW	74	- 8
161	STATE	HAGERSTOWN AMERICAN LIGHT AND 194/STATE MASTER LIST	SPRUCE ST HAGERSTOWN MD 21740	0.28 SW	74	- 8
162	UST	GREENWALD RENTALS 3011996/INACTIVE	29 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.28 NW	75	+ 26
163	LUST	HAGERSTOWN NEWS DIST.(BOOK and 95-0624WA/CLOSED	29 NORTH PROSPECT ST HAGERSTOWN MD 21742	0.28 NW	75	+ 26
163	UST	SEVEN-UP BOTTLING CO., INC. 3012203/HISTORICAL	30 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.28 NE	76	+ 24
164	UST	SEVEN-UP BOTTLING CO., INC. 17811/INACTIVE	30 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.28 NE	76	+ 24
165	LUST	PARK CIRCLE RESTAURANT 91-2038WA/CLOSED	SUMMIT AVE HAGERSTOWN MD 21740	0.28 SW	77	+ 4
166	FINDS	HAGERSTOWN LAUNDRY 110029288768/FRS	137 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	78	+ 23
167	UST	HAGERSTOWN LAUNDRY, INC. 6013242/HISTORICAL	137 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	78	+ 23
168	FINDS	HAGERSTOWN LAUNDRY 110001768971/FRS	137 FRANKLIN STREET, WEST HAGERSTOWN MD 21740	0.29 NE	78	+ 23

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169	FINDS	HAGERSTOWN LAUNDRY INC MDD985421155	137 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	78	+ 23
170	FINDS	HAGERSTOWN LAUNDRY INC 110022390349/FRS	137 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	78	+ 23
171	UST	HAGERSTOWN LAUNDRY, INC. 12756/INACTIVE	137 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	78	+ 23
173	RCRAGN	HAGERSTOWN LAUNDRY INC MDD985421155/VGN	137 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	78	+ 23
174	LUST	HAGERSTOWN LAUNDRY/DRY CLEANIN 94-1144WA/CLOSED	137 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	78	+ 23
174	FINDS	HAGERSTOWN POST OFFICE 110001767366/FRS	44 FRANKLIN STREET, WEST HAGERSTOWN MD 21740	0.29 NE	79	+ 24
175	FINDS	HAGERSTOWN POST OFFICE MD0000723692	44 FRANKLIN STREET, WEST HAGERSTOWN MD 21740	0.29 NE	79	+ 24
176	UST	BUS TRANSFER STATION 20028/INACTIVE	123 W FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	80	+ 30
177	LUST	FUTURE TRANSPORT/TRANSFER CENT 11-0159WA/CLOSED	123 W FRANKLIN ST HAGERSTOWN MD 21740	0.29 NE	80	+ 30
177	LUST	CITY OF HAGERSTOWN 91-1152WA/CLOSED	CITY HALL HAGERSTOWN MD 21740	0.29 NE	81	+ 22
178	LUST	WILES RESIDENCE 98-1298WA/CLOSED	23 EAST LEE ST HAGERSTOWN MD 21740	0.29 SE	82	+ 12
179	FINDS	HAGERSTOWN SHOE 110001312393/FRS	148 FRANKLIN STREET, WEST HAGERSTOWN MD 21740	0.30 NE	83	+ 17
180	FINDS	HAGERSTOWN SHOE COMPANY MDD003061322	148 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	83	+ 17
181	FINDS	HAGERSTOWN SHOE COMPANY 110022380859/FRS	148 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	83	+ 17
182	FINDS	HAGERS SHOE COMPANY 110038742055/FRS	148 W FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	83	+ 17
182	RCRAGN	HAGERSTOWN SHOE COMPANY MDD003061322/TR	148 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	83	+ 17
184	FEDBF	HAGERS SHOE COMPANY 10000003-10191/EPA BROWNFIELD	148 WEST W. FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	83	+ 17
186	FEDBF	HAGERS SHOE COMPANY 10000003-50/EPA BROWNFIELD	148 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	83	+ 17
187	FINDS	HAWKBAKERS COLLISION 110029284548/FRS	121 BESTER ST HAGERSTOWN MD 21740	0.30 SE	84	+ 9
188	UST	HAGERSTOWN POST OFFICE 3894/INACTIVE	44 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	85	+ 23

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189	LUST	U.S. POST OFFICE/HAGERSTOWN MA 98-0514WA/CLOSED	44 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.30 NE	85	+ 23
189	FINDS	COLUMBIA GAS OF MARYLAND INCOR 110003540473/FRS	55 SYCAMORE ST HAGERSTOWN MD 21740	0.32 SW	86	- 7
190	RCRAGN	COLUMBIA GAS OF MARYLAND INC MDR000004655/SGN	55 SYCAMORE ST HAGERSTOWN MD 21740	0.32 SW	86	- 7
191	FINDS	COLUMBIA GAS OF MD INC MD0001205525	55 SYCAMORE ST HAGERSTOWN MD 21740	0.32 SW	86	- 7
192	FINDS	CITY OF HAGERSTOWN MS4 110019905049/FRS	1 EAST FRANKLIN ST HAGERSTOWN MD 21740	0.32 NE	87	+ 13
193	UST	CITY HALL 19294/ACTIVE	1 EAST FRANKLIN ST HAGERSTOWN MD 21740	0.32 NE	87	+ 13
194	UST	HAGERSTOWN CITY HALL 6012120/HISTORICAL	1 EAST FRANKLIN ST HAGERSTOWN MD 21740	0.32 NE	87	+ 13
194	FINDS	HAWBAKERS COLLISION SHOP 110001826089/FRS	121 BESTER ST HAGERSTOWN MD 21740	0.32 SE	88	- 4
195	FINDS	HAWBAKERS COLLISION SHOP MD0000147165	121 BESTER ST HAGERSTOWN MD 21740	0.32 SE	88	- 4
196	LUST	COMM. PROPERTY 93-1173WA/CLOSED	121 BESTER ST HAGERSTOWN MD 21740	0.32 SE	88	- 4
196	FINDS	TRI-STATE PRINTING MDD985372721	120 BESTER ST HAGERSTOWN MD 21740	0.32 SE	89	- 4
197	FINDS	TRI STATE PRINTING 110002375064/FRS	120 BESTER ST HAGERSTOWN MD 21740	0.32 SE	89	- 4
198	UST	ANDERSON CLEANERS 9260/INACTIVE	104 108 EAST WASHINGTON ST HAGERSTOWN MD 21740	0.32 NE	90	+ 1
199	LUST	ANDERSON CLEANERS 99-1795WA/CLOSED	104-108 EAST WASHINGTON ST HAGERSTOWN MD 21740	0.32 NE	90	+ 1
200	UST	CHRIST S REFORMED CHURCH 6012083/INACTIVE	130 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.32 NE	91	+ 33
201	LUST	CHRIST REFORMED CHURCH 03-2040WA/CLOSED	130 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.32 NE	91	+ 33
201	LUST	CHRIST REFORM CHURCH 00-1984WA/CLOSED	130 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.32 NE	91	+ 33
202	UST	CHRIST S REFORMED CHURCH 6013194/INACTIVE	148 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.32 NE	91	+ 33
203	LUST	EDDIE S TIRE CENTER (FIRESTONE) 94-2197WA/CLOSED	35 NORTH WALNUT ST HAGERSTOWN MD 21740	0.32 NW	92	+ 45
204	UST	EDDIES TIRE SERVICE 3011818/INACTIVE	35 NORTH WALNUT ST HAGERSTOWN MD 21740	0.32 NW	92	+ 45

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205	LUST	WASHINGTON STREET APARTMENTS 06-0498WA/CLOSED	101 EAST WASHINGTON ST HAGERSTOWN MD 21740	0.32 NE	93	+ 4
206	UST	WASHINGTON STREET APARTMENTS 16122/INACTIVE	101 EAST WASHINGTON ST HAGERSTOWN MD 21740	0.32 NE	93	+ 4
207	UST	OFF THE DEEP END 15153/INACTIVE	339 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.33 NW	94	+ 33
208	LUST	STEVE COLBY PROPERTY 04-0855WA/CLOSED	339 WEST ANTIETAM ST HAGERSTOWN MD 21740	0.33 NW	94	+ 33
208	LUST	JOE WIDMYER RESIDENCE 94-1327WA/CLOSED	67 and 69 E. FRANKLIN ST HAGERSTOWN MD 21740	0.34 NE	95	+ 11
209	LUST	STATE HWY RIGHT OF WAY 00-0330WA/CLOSED	50 EAST FRANKLIN ST HAGERSTOWN MD 21740	0.34 NE	96	+ 9
209	LUST	CITY OF HAGERSTOWN 01-1723WA/CLOSED	HAGER HOUSE CITY PARK HAGERSTOWN MD 21740	0.36 SW	97	- 3
210	LUST	STEWART DISTRIBUTORS 95-0778WA/CLOSED	300 WEST FRANKLIN ST HAGERSTOWN MD 21742	0.36 NW	98	+ 35
210	LUST	EXPEDITED SERVICES/OLD DISTRIB 97-1536WA/CLOSED	300 WEST FRANKLIN ST HAGERSTOWN MD 21742	0.36 NW	98	+ 35
211	LUST	FORMER BOCK OIL 10-0465WA/OPEN	115 KEY ST HAGERSTOWN MD 21740	0.36 SW	99	+ 7
211	LUST	THUMNA BUICK DEALERSHIP 96-1739WA/CLOSED	201 FREDERICK ST HAGERSTOWN MD	0.36 SE	100	+ 15
212	LUST	THUMMA MOTOR CO 96-0735WA/CLOSED	201 FREDERICK ST HAGERSTOWN MD 21740	0.36 SE	100	+ 15
212	LUST	FOUR STATES CHRISTIAN MISSIONA 99-1359WA/CLOSED	125 NORTH PROSPECT ST HAGERSTOWN MD 21741	0.37 NE	101	+ 39
213	LUST	PARK CIRCLE ANIMAL HOSPITAL 91-1867WA/CLOSED	362 VIRGINIA AVE HAGERSTOWN MD 21740	0.37 SW	102	0
215	FEDBF	102 KEY STREET, BOCK OIL 43457237-7/EPA BROWNFIELD	102 KEY ST HAGERSTOWN MD 21740	0.38 SW	103	+ 1
216	LUST	BOCK OIL CO. 92-1961WA/CLOSED	HIGHLAND AVE HAGERSTOWN MD 21740	0.38 SW	103	+ 1
216	LUST	HAGERSTOWN CITY POLICE 99-0190WA/CLOSED	50 NORTH BURHANS BLVD HAGERSTOWN MD 21740	0.38 NW	104	+ 31
217	LUST	ALLEY 1-136 05-1150WA/CLOSED	25 WEST CHURCH ST HAGERSTOWN MD	0.39 NE	105	+ 30
217	LUST	CREATIVE INVESTMENTS 99-2710WA/CLOSED	115 EAST FRANKLIN ST HAGERSTOWN MD 21740	0.39 NE	106	+ 15
218	LUST	THUMA MOTOR CO 92-2094WA/CLOSED	219 FREDERICK ST HAGERSTOWN MD 21740	0.39 SE	107	+ 23



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218	LUST	ACTION PRODUCTS 00-0100WA/CLOSED	22 NORTH MULBERRY ST HAGERSTOWN MD 21740	0.40 SE	108	- 1
219	LUST	BIG RED 91-0843WA/CLOSED	90 BURNHAM BLVD HAGERSTOWN MD 21740	0.40 NW	109	+ 38
219	LUST	DOMINO S PIZZA 90-0323WA/CLOSED	CHURCH ST HAGERSTOWN MD 21740	0.40 NE	110	+ 25
220	LUST	RAPID LUBE 09-0407WA/CLOSED	120 WEST CHURCH ST HAGERSTOWN MD 21740	0.40 NE	111	+ 11
220	LUST	ZION EVANGELIST and REFORM CHU 91-1210WA/CLOSED	HAGERSTOWN MD 21740	0.40 NE	112	+ 49
221	SWL	WASHINGTON CO. HOSP. ASSN. MWI 3535/MEDICAL WASTE INCINE	251 EAST ANTIETAM ROAD HAGERSTOWN MD	0.41 SE	113	N/A
221	LUST	BRIAN LAWYER 02-0300WA/CLOSED	140 EAST FRANKLIN ST HAGERSTOWN MD 21740	0.41 NE	114	+ 13
222	LUST	FIL-TEC INC. 92-1519WA/CLOSED	200 WEST PROSPECT ST HAGERSTOWN MD 21740	0.41 NE	115	+ 33
222	LUST	FIL-TEC CORP 92-1832WA/CLOSED	200 PROSPECT ST HAGERSTOWN MD 21740	0.41 NE	115	+ 33
223	LUST	HAPPY HAMS USED CAR LOT 93-2045WA/CLOSED	BURHAMS BLVD HAGERSTOWN MD 21740	0.41 NW	116	+ 31
223	LUST	UNKNOWN 97-0498WA/CLOSED	45 EAST ST HAGERSTOWN MD 21740	0.42 NE	117	+ 44
224	LUST	ABOVE GROUND 93-1043WA/CLOSED	304 WEST CHURCH ST HAGERSTOWN MD 21740	0.44 NE	118	+ 33
224	LUST	MARYLAND METALS, INC. 94-1486WA/CLOSED	304 WEST CHURCH ST HAGERSTOWN MD 21740	0.44 NE	118	+ 33
225	LUST	VINCENT RESIDENCE 91-2142WA/CLOSED	46 EAST AVE HAGERSTOWN MD 21740	0.44 NE	119	+ 28
225	LUST	WASHINGTON COUNTY HOSPITAL 98-0603WA/CLOSED	251 EAST ANTITAM ST HAGERSTOWN MD 21740	0.44 SE	120	+ 19
226	LUST	WASHINGTON COUNTY HOSPITAL 99-2643WA/CLOSED	251 EAST ANTIETAM ST HAGERSTOWN MD 21740	0.44 SE	120	+ 19
226	LUST	CASSIDY TRUCKING INC 95-0848WA/CLOSED	441 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.45 SE	121	- 7
227	LUST	CASSIDY TRUCKING CO 95-1454WA/CLOSED	441 SOUTH POTOMAC HAGERSTOWN MD 21746	0.45 SE	121	- 7
227	LUST	CASSIDY TRUCKING INC. 99-2679WA/CLOSED	441 SOUTH POTOMAC ST HAGERSTOWN MD 21734	0.45 SE	121	- 7
228	LUST	HAGES OPTICAL 95-2562WA/CLOSED	251 EAST BALTIMORE ST HAGERSTOWN MD 21740	0.46 SE	122	+ 40

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Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID	ElevDiff
228	LUST	HAMILTON PONTIAC 9-1756WA/CLOSED	261 FREDERICK ST HAGERSTOWN MD	0.46 SE	123	+ 25
229	LUST	FIRST BAPTIST CHURCH 94-0135WA/CLOSED	15 HIGH ST HAGERSTOWN MD 21740	0.47 NW	124	+ 55
229	LUST	GOODWILL INDUSTRIES 94-1780WA/CLOSED	NORTH PROSPECT ST HAGERSTOWN MD 21740	0.47 NE	125	+ 32
230	LUST	DELPEY BUILDING 97-2161WA/CLOSED	237 EAST FRANKLIN ST HAGERSTOWN MD 21742	0.48 NE	126	+ 4
230	LUST	PILAH CORP 9-1906WA/CLOSED	151 NORTH BURHANS HAGERSTOWN MD	0.48 NW	127	+ 58
231	LUST	REISNER BUILDING 01-0379WA/CLOSED	240 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.48 NE	128	+ 32
231	LUST	REISNER INC 8-0473WA/CLOSED	240 NORTH PROSPECT HAGERSTOWN MD	0.48 NE	128	+ 32
232	LUST	WASHINGTON COUNTY MUSEUM OF FI 93-1139WA/CLOSED	CITY PARK HAGERSTOWN MD 21740	0.48 SW	129	+ 2
232	LUST	WASHINGTON CO. MUSEUM OF FINE 93-0468WA/CLOSED	CITY PARK HAGERSTOWN MD 21740	0.48 SW	129	+ 2
233	LUST	WASHINGTON CO. MUSEUM/HAGERSTO 94-2400WA/CLOSED	CITY PARK HAGERSTOWN MD 21740	0.48 SW	129	+ 2
233	LUST	MINNICK FUNERAL HOME 97-0100WA/CLOSED	305 NORTH POTOMAC ST HAGERSTOWN MD 21742	0.50 NE	130	+ 51
234	LUST	SHEETZ 82 12-0065WA/CLOSED	301 E WASHINGTON ST HAGERSTOWN MD 21740	0.50 SE	131	- 13
234	LUST	SHEETZ STORE 95-0992WA/CLOSED	301 EAST WASHINGTON ST HAGERSTOWN MD 21740	0.50 SE	131	- 13
235	LUST	RITE AID DRUG STORE 21515 99-1257WA/CLOSED	INT L RT. 40 and N. CANNON HAGERSTOWN MD 21740	0.52 SE	132	+ 5
235	LUST	AMOCO / WEAVER S AMOCO 94-1701WA/CLOSED	101 NORTH CANNON and FRANKL HAGERSTOWN MD 21740	0.53 NE	133	+ 13
236	LUST	FORMER NATIONAL GUARD ARMORY 02-1323WA/CLOSED	328 NORTH POTOMAC AVE HAGERSTOWN MD	0.54 NE	134	+ 39
236	LUST	OLD NATIONAL GUARD ARMORY 02-1276WA/CLOSED	328 NORTH POTOMAC ST HAGERSTOWN MD	0.54 NE	135	+ 39
237	NFRAP	MAGNUS CO INC MDD980538326/NFRAP-N	ELIZABETH ST HAGERSTOWN MD 21740	0.56 NW	136	+ 67
238	STATE	MAGNUS CO. INC 121/STATE MASTER LIST	ELIZABETH ST HAGERSTOWN MD 21740	0.56 NW	136	+ 67
239	STATE	MAGNUS CO INC 611/ERRP	ELIZABETH ST HAGERSTOWN MD 21740	0.56 NW	136	+ 67

## *Environmental FirstSearch Sites Summary Report*

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

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Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID	ElevDiff
239	LUST	ACandT STATION 03-0984WA/CLOSED	301 NORTH BURHAMS BLVD HAGERSTOWN MD 21742	0.56 NW	137	+ 46
240	LUST	BETHEL GARDENS APTS COMPLEX CO 96-1581WA/CLOSED	356 HENRY AVE HAGERSTOWN MD 21740	0.56 NE	138	+ 30
240	LUST	BETHEL GARDENS APTS 96-1583WA/CLOSED	BLDG F-356 HENRY AVE HAGERSTOWN MD 21740	0.56 NE	138	+ 30
241	LUST	BETHEL GARDEN APTS 96-1585WA/CLOSED	BLDG 8-356 HENRY AVE HAGERSTOWN MD 21740	0.56 NE	138	+ 30
241	LUST	BETHEL GARDENS -BLDG 1 and 2 96-1835WA/CLOSED	356 HENRY AVE HAGERSTOWN MD 21740	0.56 NE	138	+ 30
242	LUST	BETHEL GARDENS -BLDG 56 96-1836WA/CLOSED	356 HENRY ROAD HAGERSTOWN MD 21740	0.56 NE	138	+ 30
242	LUST	BETHEL GARDENS APTS 96-1582WA/CLOSED	BLDG 5 -356 HENRY AVE HAGERSTOWN MD 21740	0.56 NE	138	+ 30
243	LUST	BETHEL GARDENS APTS 96-1584WA/CLOSED	BLDG 3-356 HENRY AVE HAGERSTOWN MD 21740	0.56 NE	138	+ 30
243	LUST	CHEVRON STATION 94-1888WA/CLOSED	305 BURHANS BLVD HAGERSTOWN MD 21740	0.57 NW	139	+ 44
244	LUST	ST. MARKS LUTHERAN CHURCH 00-1907WA/CLOSED	601 WASHINGTON ST HAGERSTOWN MD 21740	0.57 NW	140	+ 59
244	LUST	PUBLIC WORKS DEPT. 08-0017WA/CLOSED	51 WEST MEMORIAL BLVD HAGERSTOWN MD 21740	0.58 SW	141	- 22
245	LUST	CITY OF HAGERSTOWN 97-2043WA/CLOSED	51 WEST MEMORIAL BLVD HAGERSTOWN MD 21740	0.58 SW	141	- 22
245	LUST	TOWN OF HAGERSTOWN/PUBLIC WAYS 7-1349WA/CLOSED	51 WEST MEMORIAL BLVD HAGERSTOWN MD	0.58 SW	141	- 22
246	LUST	CITY OF HAGERSTOWN PW DEPT 08-0309WA/CLOSED	51 WEST MEMORIAL BLVD HAGERSTOWN MD 21740	0.58 SW	141	- 22
246	LUST	INNER FAITH HOUSING 97-0421WA/CLOSED	501 SOUTH POTOMAC ST HAGERSTOWN MD 21740	0.59 SE	142	- 19
247	LUST	CSX RAIL TERMINAL 90-2738WA/CLOSED	BURHANS BLVD HAGERSTOWN MD 21740	0.60 NW	143	+ 50
247	LUST	CSX ROUNDHOUSE 91-0405WA/CLOSED	BURHANS BLVD HAGERSTOWN MD 21740	0.60 NW	143	+ 50
248	LUST	CSX TRANSPORTATION 00-0453WA/CLOSED	300 SOUTH BURHANS BLVD HAGERSTOWN MD 21740	0.60 NW	143	+ 50
248	LUST	CSX TRANSPORTATION 02-1049WA/CLOSED	BURHANS BLVD HAGERSTOWN MD	0.60 NW	143	+ 50
249	LUST	HAGERSTOWN TRUST CO 96-0413WA/CLOSED	360 EAST BURHANS BLVD HAGERSTOWN MD 21740	0.60 NE	144	+ 41

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249	LUST	TURNER S TAXI SERVICE INC 91-0658WA/CLOSED	655 WEST WASHINGTON ST HAGERSTOWN MD 21740	0.60 NW	145	+ 74
250	LUST	TURNER TAXI SERVICE 96-0174WA/CLOSED	655 WEST WASHINGTON ST HAGERSTOWN MD 21741	0.60 NW	145	+ 74
250	LUST	TURNER TAXI SERVICE 96-0161WA/CLOSED	655 WEST WASHINGTON ST HAGERSTOWN MD 21741	0.60 NW	145	+ 74
251	LUST	RPM PRODUCTS 93-2650WA/CLOSED	339 E ANTIETAM ST HAGERSTOWN MD 21740	0.61 SE	146	- 44
251	LUST	PETER BAUGH RESIDENCE 97-1802WA/CLOSED	320 GARLINGER ST HAGERSTOWN MD 21742	0.62 SW	147	- 6
252	LUST	POTOMAC EDISON 7-1668WA/CLOSED	425 EAST BALTIMORE ST HAGERSTOWN MD	0.62 SE	148	- 14
252	LUST	CONSOLIDATED FREIGHT LINES 96-0414WA/CLOSED	351 EAST ANTIETAM ST HAGERSTOWN MD 21240	0.63 SE	149	- 37
253	LUST	CONSOLIDATED FREIGHTWAYS 93-0119WA/CLOSED	351 EAST ANTIETAM ST HAGERSTOWN MD 21740	0.63 SE	149	- 37
253	LUST	HAGERSTOWN HOUSING AUTHORITY 95-2407WA/CLOSED	412 SUMANS AVE HAGERSTOWN MD 21740	0.63 NE	150	+ 38
254	LUST	HAGERSTOWN HOUSING AUTHORITY 96-0024WA/CLOSED	FREDERICK MANOR COMMUNITY C HAGERSTOWN MD	0.63 NE	150	+ 38
254	LUST	WINTER STREET ELEMENTARY SCHOO 91-0324WA/CLOSED	59 WINTER ST HAGERSTOWN MD 21740	0.63 NW	151	+ 95
255	LUST	93-1194WA/CLOSED	312 GARLANG ST HAGERSTOWN MD 21740	0.63 SW	152	- 2
255	LUST	NORTH BAY DISTRIBUTORS 91-2037WA/CLOSED	420 MECHANIC ST HAGERSTOWN MD 21740	0.64 NW	153	+ 62
256	LUST	NORTH BAY DISTRIBUTORS/EWING O 91-2036WA/CANCELLED	420 MECHANIC ST HAGERSTOWN MD 21740	0.64 NW	153	+ 62
258	FEDBF	367 EAST FRANKLIN STREET 43457237-4/EPA BROWNFIELD	361-371 EAST FRANKLIN ST HAGERSTOWN MD	0.66 SE	154	- 24
260	FEDBF	BLUE MOUNTAIN WOODWORKS, INC. 10000003-151/EPA BROWNFIELD	403 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.67 NE	155	+ 71
261	STATE	BLUE MOUNTAIN WOOD WORKS 522/NON MASTER LIST	403 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.67 NE	155	+ 71
263	FEDBF	BLUE MOUNTAIN WOODWORKS, INC. 10000003-10280/EPA BROWNFIELD	403 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.67 NE	155	+ 71
264	BROWNFIELD	BLUE MOUNTAIN WOOD WORKS BF-1766/BROWNFIELD	403 NORTH PROSPECT ST HAGERSTOWN MD 21740	0.67 NE	155	+ 71
265	LUST	DRIVER ATTENDANCE/HARDELL FUEL 91-1555WA/CLOSED	44 GARLINGER AVE HAGERSTOWN MD 21740	0.67 SW	156	0

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265	LUST	SHIFFLER ELECTRIC CO 94-3054WA/CLOSED	426 CANNON AVE HAGERSTOWN MD 21740	0.68 NE	157	+ 28
266	LUST	SUN S MUFFLER SRVC 95-1596WA/CLOSED	501 FREDERICK ST HAGERSTOWN MD 21740	0.68 SE	158	- 12
266	LUST	VENICE INN 98-1871WA/CLOSED	431 DUAL HWY HAGERSTOWN MD 21740	0.68 SE	159	- 18
267	LUST	POTOMAC PROPERTY MGMT. 04-1528WA/OPEN	113-115 BROADWAY ST HAGERSTOWN MD	0.72 NE	160	+ 35
267	LUST	GOWEN MOTOR SERVICES 99-1866WA/CLOSED	810 LANVALE ST HAGERSTOWN MD 21740	0.73 NW	161	+ 49
268	LUST	JEFFREY WHITE PROPERTY/GOWEN M 98-0638WA/CLOSED	810 LANVALE ST HAGERSTOWN MD 21740	0.73 NW	161	+ 49
268	LUST	GATEWAY CROSSING 05-0798WA/CLOSED	810 LANVALE ST HAGERSTOWN MD 21740	0.73 NW	161	+ 49
269	LUST	C and P TELEPHONE CO. 94-1234WA/CLOSED	223 EAST MEMORIAL BLVD HAGERSTOWN MD 21740	0.74 SE	162	- 44
269	LUST	COCA-COLA 7-0450WA/CLOSED	100 CHARLES ST HAGERSTOWN MD 21740	0.74 NE	163	+ 32
270	LUST	DAUB S REPAIR SHOP 91-2234WA/CLOSED	805 WEST FRANKLIN ST HAGERSTOWN MD 21740	0.74 NW	164	+ 76
270	LUST	F and T ASSOCIATION 02-0158WA/CLOSED	473 NORTH POTOMAC HAGERSTOWN MD 21740	0.74 NE	165	+ 49
271	LUST	LEE F STEIN PROPERTY 95-2575WA/CLOSED	401 EAST ANTIETAM ST HAGERSTOWN MD 21740	0.74 SE	166	- 15
271	LUST	OLD KEY MARKET 96-0956WA/CLOSED	806 WEST WASHINGTON ST HAGERSTOWN MD	0.74 NW	167	+ 62
272	LUST	KIMCO CORP/OASIS GAS CNTR/AMES 95-1644WA/CLOSED	RT 40 and CLEVELAND AVE HAGERSTOWN MD	0.75 SE	168	- 10
273	STATE	FORMER KOPPERS COMPANY 036/STATE MASTER LIST	100 CLAIR ST HAGERSTOWN MD 21740	0.85 SW	169	+ 43
274	STATE	FORMER MUNICIPAL ELECTRIC LIGH 569/NON MASTER LIST	INT OF MT AETNA RD and S EA HAGERSTOWN MD 21740	0.93 SE	170	- 72
275	STATE	CENTRAL CHEMICAL NORTHWEST SIT 534/ERRP	OPEN FIELD NORTHWEST OF MIT HAGERSTOWN MD 21740	1.10 NE	171	+ 80
276	STATE	CENTRAL CHEMICAL CORP. 442/STATE MASTER LIST	40 NORTH JOHNATHAN ST HAGERSTOWN MD 21740	1.10 NE	171	+ 80
277	STATE	WEST MANUFACTURING CO. 418/STATE MASTER LIST	910 ELDRIDGE DR HAGERSTOWN MD 21740	1.23 SE	172	- 45

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278	LUST	MOLTEN MFG CO 92-0784WA/CLOSED	LEITERSBURG PIKE LEITERSBURG MD 21740	NON GC		N/A
278	LUST	SOUTH END CHEVRON 10-0241WA/CLOSED	1055 MARYLAND AVE HAGERSTOWN MD 21740	NON GC		N/A
279	LUST	SMITH TRANSFER 9-1777WA/CLOSED	HOPWELL AVE HAGERSTOWN MD	NON GC		N/A
279	LUST	SHEETZ 163 09-0787WA/CLOSED	17550 VIRGINIA AVE HAGERSTOWN MD 21740	NON GC		N/A
280	LUST	SERV-U-VENDING 9-1327WA/CLOSED	RT 11 HAGERSTOWN MD	NON GC		N/A
280	LUST	SAFELITE AUTO GLASS 10-0651WA/OPEN	17600 VIRGINIA AVE HAGERSTOWN MD 21740	NON GC		N/A
281	LUST	PROPERTY 93-0675WA/CLOSED	ANTIETAM DR HAGERSTOWN MD 21740	NON GC		N/A
281	LUST	PIE NATIONWIDE 7-0864WA/CLOSED	RT 11,NORTH NEAR AIRPORT HAGERSTOWN MD	NON GC		N/A
282	LUST	JOHN R. OLIVER CO 5-5013WA/CLOSED	RT 5 BOX 2 HAGERSTOWN MD	NON GC		N/A
282	LUST	OLD FIRST NATIONAL BANK 93-0075WA/CLOSED	VIRGINIA AVE HAGERSTOWN MD 21740	NON GC		N/A
283	LUST	WA CO FIRE and RESCUE 9-0390WA/CLOSED	229 SHADYBROOK TER HAGERSTOWN MD	NON GC		N/A
283	LUST	JOHN R. OLIVER 4-0000WA/CLOSED	RT 5 HAGERSTOWN MD	NON GC		N/A
284	LUST	JOE PURTLE CO 92-3057WA/CLOSED	MITCHELL AVE HAGERSTOWN MD 21740	NON GC		N/A
284	LUST	INDEPENMENT CEMENT INCOP 8-0514WA/CLOSED	SECURITY BLVD HAGERSTOWN MD	NON GC		N/A
285	LUST	HI-LO STATION 94-0319WA/CLOSED	ROUTE 40 WEST HAGERSTOWN MD 21740	NON GC		N/A
285	LUST	HENSON AVIATION 7-1358WA/CLOSED	WASH CO AIRPORT HAGERSTOWN MD	NON GC		N/A
286	LUST	OVERNIGHT EXPRESS 7-0976WA/CLOSED	EASTBOUND RT 70, and HAGERSTOWN MD 21740	NON GC		N/A
286	LUST	WASH.CO. WATER and SEWER DEPT. 97-2370WA/CLOSED	OFF FARM LANE HAGERSTOWN MD 21740	NON GC		N/A
288	FEDBF	102 KEY STREET, BOCK OIL 12180/EPA BROWNFIELD	102 KEY ST HAGERSTOWN MD	NON GC		N/A
290	FEDBF	367 EAST FRANKLIN STREET 12177/EPA BROWNFIELD	361 EAST FRANKLIN ST HAGERSTOWN MD	NON GC		N/A

## Environmental FirstSearch Sites Summary Report

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Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID	ElevDiff
291	FINDS	INTL SALT CO MDD985414390	SOUTH BURHANS AVE HAGERSTOWN MD 21740	NON GC		N/A
293	FEDBF	562 NORTHERN AVENUE, OLD RICKE 12178/EPA BROWNFIELD	562 NORTHERN AVE HAGERSTOWN MD	NON GC		N/A
294	LUST	HALDERMAN POULTRY FARM 92-0273WA/CLOSED	RT 40 WEST HAGERSTOWN MD	NON GC		N/A
294	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-21740	UNKNOWN MD 21740	NON GC		N/A
295	LUST	90-2764WA/CLOSED	MEMORIAL BLVD HAGERSTOWN MD 21740	NON GC		N/A
295	LUST	9-0876WA/CLOSED	WEST WASHINGTON ST HAGERSTOWN MD	NON GC		N/A
296	LUST	UNKNOWN 94-0752WA/CLOSED	ALLEY BEHIND HAMILTON BLVD HAGERSTOWN MD 21740	NON GC		N/A
296	LUST	WASH.CO. WATER and SEWER DEPT. 97-2371WA/CLOSED	SOUTH MAIN ST MAUGANSVILLE MD 21740	NON GC		N/A
297	LUST	SSE 9-0875WA/CLOSED	WASHINGTON ST HAGERSTOWN MD	NON GC		N/A
297	LUST	WA CO WATER and SEWER PUMPING 98-0775WA/CLOSED	RT. 675 and I-70 SHARPSBURG MD 21740	NON GC		N/A
298	LUST	WA CO GOV./COLUMBIA 1ST BANK 93-0939WA/CLOSED	FRANKLIN ST HAGERSTOWN MD 21740	NON GC		N/A
298	LUST	WA CO FIRE and RESCUE 89-0390WA/CLOSED	229 SHADYBROOK TER HAGERSTOWN MD	NON GC		N/A
299	LUST	UNK ASPHALT TRUCK 8-0557FR/CLOSED	I-70 HAGERSTOWN MD	NON GC		N/A
299	LUST	TRACTOR TRAILER OIL LEAK 90-2804WA/CLOSED	MOUNT LENA ROAD JUGTOWN MD 21740	NON GC		N/A
300	LUST	THE POTOMAC EDISON CO GENERAL 7-0108WA/CLOSED	DOWNSVILLE PIKE HAGERSTOWN MD	NON GC		N/A
300	LUST	STATE HWY/HAGERSTOWN SHOP 7-0854WA/CLOSED	MD ROUTE 65 and I-70 HAGERSTOWN MD	NON GC		N/A
301	LUST	STATE HIGHWAY ADMINISTRATION 10-0127WA/CLOSED	18320 COLONEL HENRY DOUGLAS HAGERSTOWN MD 21740	NON GC		N/A
301	LUST	WASHINGTON CO HOUSING AUTHORIT 95-0052WA/CLOSED	OFF LEE ST HAGERSTOWN MD 21740	NON GC		N/A
302	FINDS	ALPHA PAINTING COMPANY 110022381901/FRS	MD RTE NO 60 ANTIETAM CREEK HAGERSTOWN MD 21740	NON GC		N/A
302	FINDS	MD SHA BRIDGE 2101403 110043547837/FRS	US 40 EB and ANTIETAM CREEK HAGERSTOWN MD 21740	NON GC		N/A

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Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID	ElevDiff
303	FINDS	INTERNATIONAL SALT CO. 110028105921/FRS	SOUTH BURHANS AVE HAGERSTOWN MD 21740	NON GC		N/A
303	FINDS	INTERNATIONAL SALT 110007258136/FRS	SOUTH BURHANS BLVD HAGERSTOWN MD 21740	NON GC		N/A
305	FINDS	HOMEWOOD RETIREMENT CENTER 110002023471/FRS	16505 VIRGINIA AVE HAGERSTOWN MD 21740	NON GC		N/A
306	FINDS	HAGERSTOWN LIGHT and HEAT CO MDD981115124	WEST WASHINGTON ST HAGERSTOWN MD 21740	NON GC		N/A
307	FINDS	EASTERN ORGAN PIPES INC 110029081972/FRS	402 NORTH PROSPECT AVE HAGERSTOWN MD 21740	NON GC		N/A
308	FINDS	CENTRAL CHEMICAL WAREHOUSE 110013802046/FRS	E/S SUMMIT AVE HAGERSTOWN MD 21740	NON GC		N/A
309	FINDS	BLACK DIAMOND ENERGIES 110007272183/FRS	PROSPECT ST HAGERSTOWN MD 21740	NON GC		N/A
309	FINDS	MD-SHA BRIDGE 2112003 110043305777/FRS	I70 and ANTIETAM CREEK HAGERSTOWN MD 21740	NON GC		N/A
311	FINDS	BESTER, HENRY and SONS - MEMOR 110007260061/FRS	POTOMAC STREET and MEMO HAGERSTOWN MD 21740	NON GC		N/A
312	STATE	CSX ROUNDHOUSE PROPERTY 552/NON MASTER LIST	EAST BURNHAMS BLVD HAGERSTOWN MD 21740	NON GC		N/A
313	ERNS	PVT. CITIZEN 304106/HIGHWAY RELATED	POTOMAC AVE HAGERSTOWN MD 21740	NON GC		N/A
315	RCRAGN	MD-SHA BRIDGE 2112003 MDR000513788/SGN	I-70 EB and ANTIETAM CREEK HAGERSTOWN MD 21740	NON GC		N/A
317	RCRAGN	MD SHA BRIDGE 2101403 MDR000525134/LGN	US 40 EB OVER ANTIETAM CREE HAGERSTOWN MD 21740	NON GC		N/A
319	RCRAGN	CITY OF HAGERSTOWN LIGHT DEPT MDD000621375/SGN	425 EAST BALTIMORE ST HAGERSTOWN MD 21740	NON GC		N/A
320	NFRAP	HAGERSTOWN LIGHT and HEAT CO MDD981115124/NFRAP-N	WEST WASHINGTON ST HAGERSTOWN MD 21740	NON GC		N/A
320	NFRAP	CENTRAL CHEMICAL WAREHOUSE MDN000305924/NFRAP-N	E/S SUMMIT AVE HAGERSTOWN MD 21740	NON GC		N/A
322	FEDBF	SOUTH MONT VALLA 12179/EPA BROWNFIELD	SOUTH END OF MONT VALLA HAGERSTOWN MD 21740	NON GC		N/A
323	FINDS	ONE HOUR MARTINIZING 110038970147/FRS	45 POTOMAC ST HAGERSTOWN MD 21740	NON GC		N/A
323	FINDS	NEWELL ENTERPRISES 110038970174/FRS	EARLEY S INDUSTRIAL PARK HAGERSTOWN MD 21740	NON GC		N/A
324	FINDS	BLACK DIAMOND ENERGIES MD0001262948	PROSPECT ST HAGERSTOWN MD 21740	NON GC		N/A



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Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID	ElevDiff
325	LUST	BOWMAN RESIDENCE 95-1194WA/CLOSED	22117 THOMSVILLE ROAD HAGERSTOWN MD 21740	NON GC		N/A
325	LUST	FRANKLIN NEILD,JR.RESIDENCE 91-0903WA/CLOSED	WASHINGTON ST HAGERSTOWN MD 21740	NON GC		N/A
326	LUST	FEDERAL AVIATION SITE 98-0754WA/CLOSED	OFF HICKSVILLE ROAD HAGERSTOWN MD 21740	NON GC		N/A
326	LUST	FDIC\OLD COLUMBIA SAVINGS BANK 93-0165WA/CLOSED	VIRGINIA AVE HAGERSTOWN MD 21740	NON GC		N/A
327	LUST	EXXON USA GESFORD 5-5034PG/CLOSED	I-81 MAUGANS AVE HAGERSTOWN MD	NON GC		N/A
327	LUST	DELAUGHTER PROPERTY 91-1638WA/CLOSED	RT 418 HAGERSTOWN MD 21740	NON GC		N/A
328	LUST	DARRELL SHEPLEY RESIDENCE 9-0880WA/CLOSED	PO BOX 320B, RT 9 HAGERSTOWN MD	NON GC		N/A
328	LUST	CUMBERLAND VALLEY TRUCKING 95-1790WA/CLOSED	EAST OAK RIDGE DR HAGERSTOWN MD 21740	NON GC		N/A
329	LUST	CSX CORP RAILROAD YARD 8-0593WA/CLOSED	JAMISON YD HUMP HAGERSTOWN MD	NON GC		N/A
329	LUST	CITY OF HAGERSTOWN PUMP STA. 99-2922WA/CLOSED	OFF NOLAND AVE HAGERSTOWN MD 21740	NON GC		N/A
330	FINDS	110020910987/FRS	POTOMAC HEIGHTS ELEM SCHOOL HAGERSTOWN MD	NON GC		N/A
331	LUST	BROOK LANE PSYCHIATRIC CTR 7-0735WA/CLOSED	RT 5 HAGERSTOWN MD	NON GC		N/A
332	STATE	CENTRAL CHEMICAL WAREHOUSE 849/NON MASTER LIST	SUMMIT AVE BETWEEN MEMORIAL HAGERSTOWN MD 21740	NON GC		N/A
333	LUST	ATandT 95-0011WA/CLOSED	ROUTE 58 CEARFOSS MD 21740	NON GC		N/A
333	LUST	ARA/SMITH S BROS TRANSFER CORP 9-1689WA/CLOSED	STOTLER RD,and PO BOX 1184 HAGERSTOWN MD	NON GC		N/A
334	LUST	AMOCO 9-0889WA/CLOSED	DUAL HWY HAGERSTOWN MD	NON GC		N/A
334	LUST	ACT OIL CO 8-0751WA/CLOSED	HOPEWELL ROAD and HALFWAY B HAGERSTOWN MD	NON GC		N/A
335	LUST	ACandT CO./HALFWAY BLVD FUEL C 10-0320WA/CLOSED	11564 HOPEWELL ROAD HAGERSTOWN MD	NON GC		N/A
335	LUST	A.C. and T/GULF STATION 6-0508WA/CLOSED	BURHAMS BLVD HAGERSTOWN MD	NON GC		N/A
336	UST	MAUGANSVILLE PUMP STATION 3012158/INACTIVE	SOUTH MAIN ST HAGERSTOWN MD 21740	NON GC		N/A

***Environmental FirstSearch  
Sites Summary Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**TOTAL:** 423      **GEOCODED:** 340      **NON GEOCODED:** 83      **SELECTED:** 0

<b>Page No.</b>	<b>DB Type</b>	<b>Site Name/ID/Status</b>	<b>Address</b>	<b>Dist/Dir</b>	<b>Map ID</b>	<b>ElevDiff</b>
337	STATE	HAGERSTOWN LIGHT AND HEAT - WA 247/STATE MASTER LIST	WEST WASHINGTON ST HAGERSTOWN MD 21740	NON GC		N/A
338	LUST	HAGERSTOWN HOUSING AUTHORITY 10-0379WA/CLOSED	35 WEST BALTIMORE ST HAGERSTOWN MD 21740	NON GC		N/A
338	LUST	CARLYLE and MARTIN 8-0166WA/CLOSED	RT 6 and MUNGS AVE HAGERSTOWN MD	NON GC		N/A

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 129      **DIST/DIR:** 0.06 NW      **ELEVATION:** 564      **MAP ID:** 1

---

**NAME:** D and P COIN-OP LAUNDRY  
**ADDRESS:** 140 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6012007  
**ID2:** 9747  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 5935  
**OWNER NAME:** Donald W. Baker, Etal  
**OWNER ADDRESS:** 1657 Woodlands Run  
Hagerstown MD 21742  
**OWNER PHONE:** (301) 733-8329  
**CONTACT:** Donald Baker

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Temporarily Out Of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Donald Baker  
**OPERATOR PHONE:** (301) 733-8329

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 30      **DIST/DIR:** 0.06 NW      **ELEVATION:** 564      **MAP ID:** 1

**NAME:** D and P COIN OP  
**ADDRESS:** 140 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD981105919  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD981105919  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 162809024  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 31      **DIST/DIR:** 0.06 NW      **ELEVATION:** 564      **MAP ID:** 1

**NAME:** D and P COIN OP LAUNDRY and DRY CLEANING  
**ADDRESS:** 140 SUMMIT AVE  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 110001838101  
**ID2:** MDD981105919  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-RCRA      **PROGRAM ID:** 4647  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM:** AIRS/AFS      **PROGRAM ID:** 2404300230  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM:** RCRAINFO      **PROGRAM ID:** MDD981105919  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

--  
**NIAC INFORMATION**

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**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 7      **DIST/DIR:** 0.06 NW      **ELEVATION:** 564      **MAP ID:** 1

<b>NAME:</b> D and P COIN-OP <b>ADDRESS:</b> 140 SUMMIT AVE HAGERSTOWN MD 21740  <b>CONTACT:</b> <b>SOURCE:</b> EPA	<b>REV:</b> 1/10/12 <b>ID1:</b> MDD981105919 <b>ID2:</b> <b>STATUS:</b> VGN <b>PHONE:</b>
--	---

**SITE INFORMATION**

**CONTACT INFORMATION:** DONALD\_W BAKER  
140 SUMMIT AVE  
HAGERSTOWN MD 21740

**PHONE:** 3017917857

**OWNER NAME:** BAKER, DONALD W and MUMMERT, G PHILIP  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:** OPERNAME  
**OPERATOR TYPE:** P-PRIVATE  
**MAILING ADDRESS:** RT 1 BOX 25  
 BIG SPRING, MD

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 04/22/1986

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS:
<b>GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>		<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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**SEARCH ID:** 7      **DIST/DIR:** 0.06 NW      **ELEVATION:** 564      **MAP ID:** 1

---

**NAME:** D and P COIN-OP  
**ADDRESS:** 140 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDD981105919  
**ID2:**  
**STATUS:** VGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

F002 - The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 81      **DIST/DIR:** 0.07 NE      **ELEVATION:** 587      **MAP ID:** 2

<b>NAME:</b> PRINTING PLACE, THE <b>ADDRESS:</b> 37 ANTIETAM STREET, WEST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA	<b>REV:</b> 10/25/11 <b>ID1:</b> 110001295072 <b>ID2:</b> 2404300295 <b>STATUS:</b> FRS <b>PHONE:</b>
--	---

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300295
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

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**NIAC INFORMATION**

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FINDS

**SEARCH ID:** 80      **DIST/DIR:** 0.07 NE      **ELEVATION:** 587      **MAP ID:** 2

<b>NAME:</b> PRINTING PLACE <b>ADDRESS:</b> 37 ANTIETAM STREET, WEST HAGERSTOWN MD 21740 <b>CONTACT:</b> <b>SOURCE:</b>	<b>REV:</b> <b>ID1:</b> MD0001429208 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
---	---

RCRIS :  
 PCS :  
 AFS/AIRS : 240430295, 2404300295  
 SSTS :  
 CERCLIS :  
 NCDB :  
 ENF DOCKET :  
 CONTR LIST :  
 CRIM DOCKET :  
 FFIS :  
 CICIS :  
 STATE :  
 PADS :  
 TRIS :  
 DandB :  
 UNKNOWN :



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 125      **DIST/DIR:** 0.08 SW      **ELEVATION:** 558      **MAP ID:** 3

---

**NAME:** COMMUNITY SUPERMARKET  
**ADDRESS:** WEST BALTIMORE ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6012010  
**ID2:** 11369  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 5934  
**OWNER NAME:** H.L. Mills, Inc.  
**OWNER ADDRESS:** 45 W. Baltimore Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-2900  
**CONTACT:** Courtney Mills

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 3000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Courtney M. Mills  
**OPERATOR PHONE:** (301) 739-2900

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 223      **DIST/DIR:** 0.08 SW      **ELEVATION:** 558      **MAP ID:** 3

**NAME:** COMMUNITY SUPERMARKET  
**ADDRESS:** WEST BALTIMORE ST  
HAGERSTOWN MD 21742  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 95-2029WA  
**ID2:** 95-2029WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 3/9/1995  
**DATE CLOSED:** 9/30/1999

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### UST

**SEARCH ID:** 144      **DIST/DIR:** 0.08 SW      **ELEVATION:** 557      **MAP ID:** 4

<p><b>NAME:</b> H.L. MILLS, INC. <b>ADDRESS:</b> 45 WEST BALTIMORE ST HAGERSTOWN MD 21740</p> <p><b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 6/5/1998 <b>ID1:</b> 3012211 <b>ID2:</b> <b>STATUS:</b> HISTORICAL <b>PHONE:</b></p>
---	---

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 10000  
**SUBSTANCE:** OTHER

**TANK ID:** 002  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** HEATING OIL

**TANK ID:** 003  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** DIESEL

**TANK ID:** 004  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** KEROSENE

**TANK ID:** 005  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** KEROSENE

**TANK ID:** 006  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** KEROSENE

**TANK ID:** 007  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** KEROSENE

**TANK ID:** 008  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** GASOLINE

- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

---

**SEARCH ID:** 144      **DIST/DIR:** 0.08 SW      **ELEVATION:** 557      **MAP ID:** 4

---

**NAME:** H.L. MILLS, INC.  
**ADDRESS:** 45 WEST BALTIMORE ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3012211  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

---

**TANK ID:** 009  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 010  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 011  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 012  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 20000  
**SUBSTANCE:** GASOLINE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 142      **DIST/DIR:** 0.08 SW      **ELEVATION:** 557      **MAP ID:** 4

<b>NAME:</b> H. L. MILLS, INC.	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 45 WEST BALTIMORE ST	<b>ID1:</b> 19158
HAGERSTOWN MD 21740	<b>ID2:</b> 19158
WASHINGTON	<b>STATUS:</b> INACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 12948  
**OWNER NAME:** H. L. Mills, Inc.  
**OWNER ADDRESS:** 45 West Baltimore Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-2900  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 10000  
**SUBSTANCE:** Other  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 3  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Diesel  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 4  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Kerosene  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 5  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Kerosene  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 6  
**TANK STATUS:** Permanently Out of Use

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### UST

**SEARCH ID:** 142      **DIST/DIR:** 0.08 SW      **ELEVATION:** 557      **MAP ID:** 4

**NAME:** H. L. MILLS, INC.  
**ADDRESS:** 45 WEST BALTIMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 19158  
**ID2:** 19158  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**TANK CAPACITY:** 20000  
**SUBSTANCE:** Kerosene  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 7  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Kerosene  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 8  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 9  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 10  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 11  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

**TANK ID:** 12  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-2900

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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<b>SEARCH ID:</b> 142	<b>DIST/DIR:</b> 0.08 SW	<b>ELEVATION:</b> 557	<b>MAP ID:</b> 4
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**NAME:** H. L. MILLS, INC.  
**ADDRESS:** 45 WEST BALTIMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 19158  
**ID2:** 19158  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 6      **DIST/DIR:** 0.09 SW      **ELEVATION:** 566      **MAP ID:** 5

<b>NAME:</b> CRENSHAW AUTO REPAIR	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> 67 WEST BALTIMORE ST STE 100 HAGERSTOWN MD 21740	<b>ID1:</b> MDD985403294
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> VGN
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**SITE INFORMATION**

**CONTACT INFORMATION:** WILLIARD CRENSHAW  
67 WEST BALTIMORE ST STE 100  
HAGERSTOWN MD 21740

**PHONE:** 3017397490

**OWNER NAME:** WILLIARD J CRENSHAW  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:**  
**OPERATOR TYPE:**  
**MAILING ADDRESS:** 67 WEST BALTIMORE ST STE 100  
HAGERSTOWN, MD 21740

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 01/02/1992

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS:
GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>		<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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**SEARCH ID:** 6      **DIST/DIR:** 0.09 SW      **ELEVATION:** 566      **MAP ID:** 5

---

**NAME:** CRENSHAW AUTO REPAIR  
**ADDRESS:** 67 WEST BALTIMORE ST STE 100  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDD985403294  
**ID2:**  
**STATUS:** VGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

D001 - Ignitable waste  
D002 - Corrosive waste  
D018 - Benzene  
D039 - Tetrachloroethylene

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 29      **DIST/DIR:** 0.09 SW      **ELEVATION:** 566      **MAP ID:** 5

<b>NAME:</b> CRENSHAW AUTO REPAIR	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 67 WEST BALTIMORE ST STE 100 HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110003530661
	<b>ID2:</b> MDD985403294
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-RCRA	<b>PROGRAM ID:</b> 7155
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	
<b>PROGRAM:</b> RCRAINFO	<b>PROGRAM ID:</b> MDD985403294
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

- 221112 - FOSSIL FUEL ELECTRIC POWER GENERATION -
- 4311 - UNITED STATES POSTAL SERVICE THIS INDUSTRY INCLUDES ALL ESTABLISHMENTS OF THE UNITED STATES POSTAL SERVICE -
- 2262 - FINISHERS OF BROADWOVEN FABRICS OF MANMADE FIBER AND SILK -
- 4911 - ELECTRIC SERVICES -
- 0251 - BROILER, FRYER, AND ROASTER CHICKENS -
- 1521 - GENERAL CONTRACTORS-SINGLE-FAMILY HOUSES -
- 5541 - GASOLINE SERVICE STATIONS -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 28      **DIST/DIR:** 0.09 SW      **ELEVATION:** 566      **MAP ID:** 5

**NAME:** CRENSHAW AUTO REPAIR  
**ADDRESS:** 67 WEST BALTIMORE ST STE 100  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD985403294  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD985403294  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 305      **DIST/DIR:** 0.09 NW      **ELEVATION:** 593      **MAP ID:** 6

<b>NAME:</b>	THE HERALD MAIL CO	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	100 SUMMIT AVE	<b>ID1:</b>	96-0561WA
	HAGERSTOWN MD 21742	<b>ID2:</b>	96-0561WA
	WASHINGTON	<b>STATUS:</b>	CLOSED
<b>CONTACT:</b>		<b>PHONE:</b>	
<b>SOURCE:</b>	MDE		

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/21/1995  
**DATE CLOSED:** 10/3/1995

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 152      **DIST/DIR:** 0.09 NW      **ELEVATION:** 593      **MAP ID:** 6

**NAME:** HERALD MAIL COMPANY  
**ADDRESS:** 100 SUMMITT AVE  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 3011903  
**ID2:** 7954  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 4679  
**OWNER NAME:** Herald Mail Company  
**OWNER ADDRESS:** 100 Summit Avenue  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 733-5131  
**CONTACT:** Clyde W. Myers

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-5131

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-5131

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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**SEARCH ID:** 58      **DIST/DIR:** 0.09 NW      **ELEVATION:** 593      **MAP ID:** 6

---

**NAME:** HERALD MAIL PUBLISHING CO  
**ADDRESS:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD003077989  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD003077989  
PCS :  
AFS/AIRS : 240430165, 2404300165  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 003077989  
UNKNOWN :

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 12      **DIST/DIR:** 0.09 NW      **ELEVATION:** 593      **MAP ID:** 6

**NAME:** HERALD MAIL PUBLISHING COMPANY  
**ADDRESS:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDD003077989  
**ID2:**  
**STATUS:** VGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION**

**OWNER NAME:**  
**OWNER TYPE:**  
**OPERATOR:** OPERNAME  
**OPERATOR TYPE:** P-PRIVATE  
**MAILING ADDRESS:** 100 SUMMIT AVE  
HAGERSTOWN, MD 21740

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 08/16/1994

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

**SUBJCA:** N - NO  
**SUBJCA TSD 3004:** N - NO  
**SUBJCA NON TSD:** N - NO  
**SIGNIFICANT NON-COMPLIANCE(SNC):** N - NO  
**BEGINNING OF THE YEAR SNC:**  
**PERMIT WORKLOAD:** ----  
**CLOSURE WORKLOAD:** ----  
**POST CLOSURE WORKLOAD:** ----  
**PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:** ----  
**CORRECTIVE ACTION WORKLOAD:** N - NO  
**GENERATOR STATUS:** CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS:  
GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>		<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

51111 - NEWSPAPER PUBLISHERS

**ENFORCEMENT INFORMATION:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 12      **DIST/DIR:** 0.09 NW      **ELEVATION:** 593      **MAP ID:** 6

<b>NAME:</b> HERALD MAIL PUBLISHING COMPANY	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> 100 SUMMIT AVE HAGERSTOWN MD 21740	<b>ID1:</b> MDD003077989
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> VGN
<b>SOURCE:</b> EPA	<b>PHONE:</b>

<b>AGENCY:</b>	STATE	<b>DATE:</b>	89/07/1989
<b>TYPE:</b>	WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	1	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	89/07/1989	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	89/18/1989
<b>TYPE:</b>	GENERATORS - GENERAL		

<b>VIOLATION NUMBER:</b>	2	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	89/07/1989	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	89/18/1989
<b>TYPE:</b>	LDR - GENERAL		

<b>VIOLATION NUMBER:</b>	3	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	89/01/1989	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	89/18/1989
<b>TYPE:</b>	GENERATORS - GENERAL		

**HAZARDOUS WASTE INFORMATION:**

D001 - Ignitable waste



## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 57      **DIST/DIR:** 0.09 NW      **ELEVATION:** 593      **MAP ID:** 6

<p><b>NAME:</b> HERALD MAIL PUBLISHING <b>ADDRESS:</b> 100 SUMMIT AVE HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110001793471 <b>ID2:</b> 2404300165 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-RCRA	<b>PROGRAM ID:</b>	2267
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0165
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300165
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	MDD003077989
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

321912 - CUT STOCK, RESAWING LUMBER, AND PLANING  
237310  
212321 - CONSTRUCTION SAND AND GRAVEL MINING  
212312 - CRUSHED AND BROKEN LIMESTONE MINING AND QUARRYING  
324121 - ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING  
2951 - ASPHALT PAVING MIXTURES AND BLOCKS  
3999 - MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED  
3469 - METAL STAMPINGS, NOT ELSEWHERE CLASSIFIED  
1422 - CRUSHED AND BROKEN LIMESTONE  
7538 - GENERAL AUTOMOTIVE REPAIR SHOPS  
5541 - GASOLINE SERVICE STATIONS  
3544 - SPECIAL DIES AND TOOLS, DIE SETS, JIGS AND FIXTURES, AND INDUSTRIAL MOLDS  
4941 - WATER SUPPLY  
1611 - HIGHWAY AND STREET CONSTRUCTION, EXCEPT ELEVATED HIGHWAYS  
1611 - HIGHWAY AND STREET CONSTRUCTION, EXCEPT ELEVATED HIGHWAYS  
1442 - CONSTRUCTION SAND AND GRAVEL  
2951 - ASPHALT PAVING MIXTURES AND BLOCKS  
4213 - TRUCKING, EXCEPT LOCAL  
1442 - CONSTRUCTION SAND AND GRAVEL  
2431 - MILLWORK  
2951 - ASPHALT PAVING MIXTURES AND BLOCKS  
3993 - SIGNS AND ADVERTISING SPECIALTIES  
2421 - SAWMILLS AND PLANING MILLS, GENERAL

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 90      **DIST/DIR:** 0.09 NE      **ELEVATION:** 576      **MAP ID:** 7

**NAME:** UNIKOTE  
**ADDRESS:** 18 WEST ANTIETAM ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD985411610  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD985411610  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 91      **DIST/DIR:** 0.09 NE      **ELEVATION:** 576      **MAP ID:** 7

<b>NAME:</b> UNIKOTE	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 18 WEST ANTIETAM ST	<b>ID1:</b> 110003533560
HAGERSTOWN MD 21740	<b>ID2:</b> MDD985411610
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> RCRAINFO	<b>PROGRAM ID:</b> MDD985411610
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

<b>PROGRAM:</b> MD-RCRA	<b>PROGRAM ID:</b> 7660
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 15      **DIST/DIR:** 0.09 NE      **ELEVATION:** 576      **MAP ID:** 7

<b>NAME:</b> UNIKOTE	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> 18 WEST ANTIETAM ST HAGERSTOWN MD 21740	<b>ID1:</b> MDD985411610
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> VGN
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**SITE INFORMATION**

**CONTACT INFORMATION:** JAMES HARBELL  
18 WEST ANTIETAM ST  
HAGERSTOWN MD 21740

**PHONE:** 3017902727

**OWNER NAME:** JAMES J HARBELL SR  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:**  
**OPERATOR TYPE:**  
**MAILING ADDRESS:** 18 WEST ANTIETAM ST  
HAGERSTOWN, MD 21740

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 05/05/1992

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS:
GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>		<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 15      **DIST/DIR:** 0.09 NE      **ELEVATION:** 576      **MAP ID:** 7

**NAME:** UNIKOTE  
**ADDRESS:** 18 WEST ANTIETAM ST  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDD985411610  
**ID2:**  
**STATUS:** VGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

D001 - Ignitable waste  
D006 - Cadmium  
D007 - Chromium  
D008 - Lead

F003 - The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent non- halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

F005 - The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 79      **DIST/DIR:** 0.09 SE      **ELEVATION:** 574      **MAP ID:** 8

<b>NAME:</b> POTOMAC TOWERS	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 35 WEST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110001793257 <b>ID2:</b> 2404300128
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300128
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

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**NIAC INFORMATION**

--

**UST**

**SEARCH ID:** 143      **DIST/DIR:** 0.09 SW      **ELEVATION:** 562      **MAP ID:** 9

<b>NAME:</b> H. L. MILLS, INC.	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 55 WEST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 19090 <b>ID2:</b> 19090
<b>CONTACT:</b>	<b>STATUS:</b> INACTIVE
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	12948
<b>OWNER NAME:</b>	H. L. Mills, Inc.
<b>OWNER ADDRESS:</b>	45 West Baltimore Street Hagerstown MD 21740
<b>OWNER PHONE:</b>	(301) 739-2900
<b>CONTACT:</b>	

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out Of Use
<b>TANK CAPACITY:</b>	1000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	(301) 739-2900

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 141      **DIST/DIR:** 0.09 SW      **ELEVATION:** 562      **MAP ID:** 9

**NAME:** H. L. MILLS, INC.  
**ADDRESS:** 55 WEST BALTIMORE ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 6012009  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 1000  
**SUBSTANCE:** HEATING OIL

LUST

**SEARCH ID:** 244      **DIST/DIR:** 0.09 SW      **ELEVATION:** 562      **MAP ID:** 9

**NAME:** FORMER H.L. MILLS INC  
**ADDRESS:** 55 W BALTIMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 10-0685WA  
**ID2:** 10-0685WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 6/21/2010  
**DATE CLOSED:** 10/13/2010

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 169      **DIST/DIR:** 0.10 SE      **ELEVATION:** 598      **MAP ID:** 10

<b>NAME:</b>	ST. JOHN S LUTHERAN CHURCH	<b>REV:</b>	6/5/1998
<b>ADDRESS:</b>	141 SOUTH POTOMAC ST HAGERSTOWN MD 21740	<b>ID1:</b>	6013244
		<b>ID2:</b>	
<b>CONTACT:</b>		<b>STATUS:</b>	HISTORICAL
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

<b>TANK ID:</b>	001
<b>TANK STATUS:</b>	HISTORICAL
<b>TANK CAPACITY(GALLONS):</b>	6000
<b>SUBSTANCE:</b>	HEATING OIL

UST

**SEARCH ID:** 166      **DIST/DIR:** 0.10 SE      **ELEVATION:** 598      **MAP ID:** 10

<b>NAME:</b>	SAINT JOHN S LUTHERAN CHURCH	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	141 SOUTH POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	19104
		<b>ID2:</b>	19104
<b>CONTACT:</b>		<b>STATUS:</b>	INACTIVE
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	12959
<b>OWNER NAME:</b>	Saint John s Lutheran Church
<b>OWNER ADDRESS:</b>	141 S. Potomac Street Hagerstown MD 21740
<b>OWNER PHONE:</b>	(301) 790-2510
<b>CONTACT:</b>	

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out Of Use
<b>TANK CAPACITY:</b>	6000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	(301) 790-2510



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 42      **DIST/DIR:** 0.10 SE      **ELEVATION:** 598      **MAP ID:** 10

<b>NAME:</b> HAGERSTOWN CHILDREN S SCHOOL <b>ADDRESS:</b> 141 S POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA	<b>REV:</b> 10/25/11 <b>ID1:</b> 110038395260 <b>ID2:</b> 1400017872 <b>STATUS:</b> FRS <b>PHONE:</b>
---	---

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	ICIS	<b>PROGRAM ID:</b>	1400017872
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	ICIS	<b>PROGRAM ID:</b>	1400017872
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

**LUST**

**SEARCH ID:** 296      **DIST/DIR:** 0.10 SE      **ELEVATION:** 598      **MAP ID:** 10

<b>NAME:</b> ST JOHNS LUTHERAN CHURCH <b>ADDRESS:</b> 141 S POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> MDE	<b>REV:</b> 02/01/12 <b>ID1:</b> 12-0031WA <b>ID2:</b> 12-0031WA <b>STATUS:</b> OPEN <b>PHONE:</b>
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**LEAK INFORMATION**

<b>STATUS:</b>	OPEN
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	7/21/2011
<b>DATE CLOSED:</b>	

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 98      **DIST/DIR:** 0.10 SW      **ELEVATION:** 566      **MAP ID:** 11

<b>NAME:</b> WASHINGTON COUNTY MS4	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 80 WEST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110019908965
<b>CONTACT:</b>	<b>ID2:</b> 16875
<b>SOURCE:</b> EPA	<b>STATUS:</b> FRS
	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-EPSC	<b>PROGRAM ID:</b> 16875
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

--  
**NIAC INFORMATION**

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**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 115      **DIST/DIR:** 0.10 NW      **ELEVATION:** 592      **MAP ID:** 12

**NAME:** AMOCO OIL COMPANY  
**ADDRESS:** ANTIETAM STREET and SUMMIT AVE  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 02/01/12  
**ID1:** 19156  
**ID2:** 19156  
**STATUS:** INACTIVE  
**PHONE:**

**OWNER INFORMATION**

**OWNER ID NUMBER:** 1459  
**OWNER NAME:** Amoco Oil Company  
**OWNER ADDRESS:** 1 West Pennsylvania Avenue  
Towson MD 21204  
**OWNER PHONE:** (410) 847-1819  
**CONTACT:** Abram Goldstein

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 625-7956

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 625-7956

**TANK ID:** 3  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 625-7956

**TANK ID:** 4  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 625-7956

**TANK ID:** 5  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 4000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 625-7956

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 134      **DIST/DIR:** 0.10 NW      **ELEVATION:** 592      **MAP ID:** 13

**NAME:** FORMER AMOCO STATION  
**ADDRESS:** ANTIETAM ST. and SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3012107  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 2000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 002  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 2000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 003  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 2000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 004  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 2000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 005  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 4000  
**SUBSTANCE:** GASOLINE

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 191      **DIST/DIR:** 0.10 NW      **ELEVATION:** 590      **MAP ID:** 14

**NAME:** BELL ATLANTIC      **REV:** 02/01/12  
**ADDRESS:** 100 WEST ANTIETAM ST      **ID1:** 96-1092WA  
HAGERSTOWN MD 21740      **ID2:** 96-1092WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 12/4/1995  
**DATE CLOSED:** 2/18/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

FINDS

**SEARCH ID:** 19      **DIST/DIR:** 0.11 SE      **ELEVATION:** 591      **MAP ID:** 15

**NAME:** BALTIMORE STREET, WEST 11 (WCHA)      **REV:** 10/25/11  
**ADDRESS:** 11 BALTIMORE STREET, WEST      **ID1:** 110019890322  
HAGERSTOWN MD 21740      **ID2:** 043-0128  
WASHINGTON      **STATUS:** FRS  
**CONTACT:**      **PHONE:**  
**SOURCE:** EPA

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-PEMIS      **PROGRAM ID:** 043-0128  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

**NIAC INFORMATION**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 285      **DIST/DIR:** 0.11 SE      **ELEVATION:** 591      **MAP ID:** 15

<b>NAME:</b>	POTOMAC TOWERS	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	11 WEST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	97-0182WA
<b>CONTACT:</b>		<b>ID2:</b>	97-0182WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	7/30/1996
<b>DATE CLOSED:</b>	7/30/1996

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 161      **DIST/DIR:** 0.11 SE      **ELEVATION:** 591      **MAP ID:** 15

<b>NAME:</b> POTOMAC TOWERS	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 11 WEST BALTIMORE ST HAGERSTOWN MD 21740	<b>ID1:</b> 3011870
	<b>ID2:</b> 4783
	<b>STATUS:</b> ACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 2974  
**OWNER NAME:** Hagerstown Housing Authority  
**OWNER ADDRESS:** 11 West Baltimore Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 733-6911  
**CONTACT:** Michael Stoner

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 15000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-6911

**TANK ID:** 2  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 500  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-6911

**TANK ID:** 3  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 380  
**SUBSTANCE:** Used Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-6911

**TANK ID:** 4  
**TANK STATUS:** Currently In Use  
**TANK CAPACITY:** 10000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-6911

**TANK ID:** 5  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-6911

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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**SEARCH ID:** 18      **DIST/DIR:** 0.11 SE      **ELEVATION:** 591      **MAP ID:** 15

---

**NAME:** BALTIMORE ST W  
**ADDRESS:** 11 BALTIMORE ST, WEST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000732545  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300128, 240430128  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :



## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### LUST

**SEARCH ID:** 284      **DIST/DIR:** 0.11 SE      **ELEVATION:** 591      **MAP ID:** 15

<p><b>NAME:</b> POTOMAC TOWERS <b>ADDRESS:</b> 11 WEST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON</p> <p><b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 02/01/12 <b>ID1:</b> 99-2041WA <b>ID2:</b> 99-2041WA <b>STATUS:</b> CLOSED <b>PHONE:</b></p>
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**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 2/17/1999  
**DATE CLOSED:** 6/23/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

### FINDS

**SEARCH ID:** 26      **DIST/DIR:** 0.11 SE      **ELEVATION:** 587      **MAP ID:** 16

<p><b>NAME:</b> COPPER KETTLE <b>ADDRESS:</b> 158 1/2 POTOMAC ST HAGERSTOWN MD 21740</p> <p><b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> <b>ID1:</b> MD0001216092 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b></p>
--	--

RCRIS :  
PCS :  
AFS/AIRS : 240430234, 2404300234  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 27      **DIST/DIR:** 0.11 SE      **ELEVATION:** 587      **MAP ID:** 16

<b>NAME:</b> COPPER KETTLE	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 158 1/2 POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110001296437
	<b>ID2:</b> 043-0234
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-PEMIS	<b>PROGRAM ID:</b> 043-0234
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

<b>PROGRAM:</b> AIRS/AFS	<b>PROGRAM ID:</b> 2404300234
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

**LUST**

**SEARCH ID:** 189      **DIST/DIR:** 0.11 SE      **ELEVATION:** 595      **MAP ID:** 17

<b>NAME:</b> BAGS BY MIMI	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 140 SOUTH POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 00-0266WA
	<b>ID2:</b> 00-0266WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	8/9/1999
<b>DATE CLOSED:</b>	5/3/2011

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 117      **DIST/DIR:** 0.11 SE      **ELEVATION:** 595      **MAP ID:** 17

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**NAME:** BAGS BY MIMI  
**ADDRESS:** 140 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6012064  
**ID2:** 10334  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 5572  
**OWNER NAME:** City of Hagerstown  
**OWNER ADDRESS:** Public Works Department 51 W. Memorial Blvd.  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-8577  
**CONTACT:** Eric Deike

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 550  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (410) 583-2448

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 295      **DIST/DIR:** 0.11 SE      **ELEVATION:** 614      **MAP ID:** 18

<b>NAME:</b> SOLIDAY OIL CO	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 105-107 SOUTH POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 92-3040WA <b>ID2:</b> 92-3040WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/31/1991  
**DATE CLOSED:** 1/17/1992

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 318      **DIST/DIR:** 0.12 SE      **ELEVATION:** 607      **MAP ID:** 19

<b>NAME:</b> WA COUNTY FREE LIBRARY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 100 S POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 11-0629WA <b>ID2:</b> 11-0629WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 5/6/2011  
**DATE CLOSED:** 7/22/2011

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 178      **DIST/DIR:** 0.12 SE      **ELEVATION:** 607      **MAP ID:** 19

<b>NAME:</b> WASHINGTON COUNTY FREE LIBRARY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 100 S POTOMAC ST	<b>ID1:</b> 20118
HAGERSTOWN MD 21740	<b>ID2:</b> 20118
WASHINGTON	<b>STATUS:</b> INACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out Of Use
<b>TANK CAPACITY:</b>	10000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	( ) -

LUST

**SEARCH ID:** 218      **DIST/DIR:** 0.12 NE      **ELEVATION:** 611      **MAP ID:** 20

<b>NAME:</b> CITY OF HAGERSTOWN	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 14 ANTIETAM ST	<b>ID1:</b> 03-0440WA
HAGERSTOWN MD 21742	<b>ID2:</b> 03-0440WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	10/4/2002
<b>DATE CLOSED:</b>	9/20/2004

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 39      **DIST/DIR:** 0.13 NE      **ELEVATION:** 600      **MAP ID:** 21

**NAME:** EXXON CO USA 26129  
**ADDRESS:** 31 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD985389360  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD985389360  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 40      **DIST/DIR:** 0.13 NE      **ELEVATION:** 600      **MAP ID:** 21

<b>NAME:</b> EXXON RAS 26129	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 31 SUMMIT AVE	<b>ID1:</b> 110003526569
HAGERSTOWN MD 21740	<b>ID2:</b> 6519
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> RCRAINFO	<b>PROGRAM ID:</b> MDD985389360
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

<b>PROGRAM:</b> MD-RCRA	<b>PROGRAM ID:</b> 6519
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

4215 - COURIER SERVICES, EXCEPT BY AIR -  
2431 - MILLWORK -  
5541 - GASOLINE SERVICE STATIONS -  
7389 - BUSINESS SERVICES, NOT ELSEWHERE CLASSIFIED -  
5541 - GASOLINE SERVICE STATIONS -  
2431 - MILLWORK -  
4215 - COURIER SERVICES, EXCEPT BY AIR -  
7389 - BUSINESS SERVICES, NOT ELSEWHERE CLASSIFIED -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

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<b>SEARCH ID:</b> 302	<b>DIST/DIR:</b> 0.13 NE	<b>ELEVATION:</b> 600	<b>MAP ID:</b> 21
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<b>NAME:</b> STEWART S EXXON	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> SUMMITT AVE	<b>ID1:</b> 91-1866WA
HAGERSTOWN MD 21740	<b>ID2:</b> 91-1866WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

---

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 3/25/1991

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 9      **DIST/DIR:** 0.13 NE      **ELEVATION:** 600      **MAP ID:** 21

<b>NAME:</b> EXXON RAS 26129	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> 31 SUMMIT AVE HAGERSTOWN MD 21740	<b>ID1:</b> MDD985389360
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> VGN
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**SITE INFORMATION**

**CONTACT INFORMATION:** ALDA\_S POOL  
1200 TIMBERLOCH PL  
THE WOODLANDS TX 77380

**PHONE:** 2812963579

**OWNER NAME:** EXXON MOBIL  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:** OPERNAME  
**OPERATOR TYPE:** P-PRIVATE  
**MAILING ADDRESS:** 1200 TIMBERLOCH PL  
THE WOODLANDS, TX 77380

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 02/29/2000

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS:
GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>	P-PRIVATE	<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N

<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

---

**SEARCH ID:** 9      **DIST/DIR:** 0.13 NE      **ELEVATION:** 600      **MAP ID:** 21

---

**NAME:** EXXON RAS 26129  
**ADDRESS:** 31 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDD985389360  
**ID2:**  
**STATUS:** VGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

D000  
D018 - Benzene

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 94      **DIST/DIR:** 0.13 NW      **ELEVATION:** 595      **MAP ID:** 22

<p><b>NAME:</b> VERIZON MARYLAND INC <b>ADDRESS:</b> 120 WEST ANTIETAM ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110003516990 <b>ID2:</b> 4289 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	MDD980721997
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

<b>PROGRAM:</b>	MD-RCRA	<b>PROGRAM ID:</b>	4289
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

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### FINDS

**SEARCH ID:** 93      **DIST/DIR:** 0.13 NW      **ELEVATION:** 595      **MAP ID:** 22

<p><b>NAME:</b> VERIZON - 120 WEST ANTIETAM STREET <b>ADDRESS:</b> 120 ANTIETAM STREET, WEST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110019891367 <b>ID2:</b> 043-0352 <b>STATUS:</b> FRS <b>PHONE:</b></p>
--	--

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0352
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

—

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 150      **DIST/DIR:** 0.13 NW      **ELEVATION:** 595      **MAP ID:** 22

**NAME:** HAGERSTOWN WIRE CENTER (32553)  
**ADDRESS:** 120 WEST ANTIETAM ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3012144  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 3000  
**SUBSTANCE:** DIESEL

**TANK ID:** 002  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 6000  
**SUBSTANCE:** HEATING OIL

**TANK ID:** 003  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 2000  
**SUBSTANCE:** DIESEL

**TANK ID:** 004  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 6000  
**SUBSTANCE:** HEATING OIL

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 149      **DIST/DIR:** 0.13 NW      **ELEVATION:** 595      **MAP ID:** 22

**NAME:** HAGERSTOWN WC (GLC-32553)      **REV:** 02/01/12  
**ADDRESS:** 120 ANTIETAM ST      **ID1:** 7799  
HAGERSTOWN MD 21740      **ID2:** 7799  
WASHINGTON      **STATUS:** ACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 2  
**OWNER NAME:** Verizon Maryland, Inc.  
**OWNER ADDRESS:** 280 S. Locust Street 05 Floor Room N/A  
Pomona CA 91766  
**OWNER PHONE:** (909) 620-5962  
**CONTACT:** Mashood Choudhury

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 3000  
**SUBSTANCE:** Diesel  
**OPERATOR:**  
**OPERATOR PHONE:** ( ) -

**TANK ID:** 2  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** ( ) -

**TANK ID:** 3  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Diesel  
**OPERATOR:**  
**OPERATOR PHONE:** ( ) -

**TANK ID:** 4  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** ( ) -

**TANK ID:** 5  
**TANK STATUS:** Currently In Use  
**TANK CAPACITY:** 4000  
**SUBSTANCE:** Diesel  
**OPERATOR:**  
**OPERATOR PHONE:** ( ) -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 22      **DIST/DIR:** 0.13 NW      **ELEVATION:** 595      **MAP ID:** 22

**NAME:** CHESAPEAKE and POTOMAC TELEPHONE  
**ADDRESS:** 120 WEST ANTIETAM ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD980721997  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD980721997  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 623392578  
UNKNOWN :

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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**SEARCH ID:** 68      **DIST/DIR:** 0.13 NE      **ELEVATION:** 599      **MAP ID:** 23

---

**NAME:** MOUNT HOPE PRISON MINISTRY  
**ADDRESS:** 25 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000794859  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300061, 240430061  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 69      **DIST/DIR:** 0.13 NE      **ELEVATION:** 599      **MAP ID:** 23

<p><b>NAME:</b> MOUNT HOPE PRISON MINISTRY <b>ADDRESS:</b> 25 SUMMIT AVE HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110001773974 <b>ID2:</b> 2404300061 <b>STATUS:</b> FRS <b>PHONE:</b></p>
--	--

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0061
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300061
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

### LUST

**SEARCH ID:** 205      **DIST/DIR:** 0.13 NE      **ELEVATION:** 599      **MAP ID:** 24

<p><b>NAME:</b> C and P TELEPHONE <b>ADDRESS:</b> 33 SUMMIT AVE HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 06/01/10 <b>ID1:</b> 93-0585WA <b>ID2:</b> 93-0585WA <b>STATUS:</b> CLOSED <b>PHONE:</b></p>
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**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	9/23/1992
<b>DATE CLOSED:</b>	9/23/1992



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 153      **DIST/DIR:** 0.13 NE      **ELEVATION:** 599      **MAP ID:** 24

**NAME:** HOME FEDERAL SAVINGS BANK      **REV:** 02/01/12  
**ADDRESS:** 33 SUMMIT AVE      **ID1:** 6013168  
HAGERSTOWN MD 21740      **ID2:** 1474  
**CONTACT:**      **STATUS:** ACTIVE  
**SOURCE:** MDE      **PHONE:**

**OWNER INFORMATION**

**OWNER ID NUMBER:** 1049  
**OWNER NAME:** Home Federal Savings Bank  
**OWNER ADDRESS:** 122-128 W. Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 733-6300  
**CONTACT:** Linda Stoner

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 8000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Linda A. Stoner  
**OPERATOR PHONE:** (301) 733-6300

**TANK ID:** 2  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 3000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Linda A. Stoner  
**OPERATOR PHONE:** (301) 733-6300

**TANK ID:** 3  
**TANK STATUS:** Currently In Use  
**TANK CAPACITY:** 275  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Linda A. Stoner  
**OPERATOR PHONE:** (301) 733-6300

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 36      **DIST/DIR:** 0.14 SW      **ELEVATION:** 589      **MAP ID:** 25

<b>NAME:</b> DWYER CENTER	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 113 BALTIMORE STREET, WEST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110001831901
<b>CONTACT:</b>	<b>ID2:</b> 043-0238
<b>SOURCE:</b> EPA	<b>STATUS:</b> FRS
	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300238
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0238
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 37      **DIST/DIR:** 0.14 SW      **ELEVATION:** 589      **MAP ID:** 25

**NAME:** DWYER CTR  
**ADDRESS:** 113 BALTIMORE ST, WEST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0001262591  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300238, 240430238  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

---

**SEARCH ID:** 130      **DIST/DIR:** 0.14 SW      **ELEVATION:** 589      **MAP ID:** 26

---

**NAME:** DWYER CENTER  
**ADDRESS:** 112 WEST BALTIMORE ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 3013437  
**ID2:** 300  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 235  
**OWNER NAME:** Board of County Commissioners of Washington County  
**OWNER ADDRESS:** 100 W. Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (240) 313-2300  
**CONTACT:** Edwin Plank

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Annejean Bitner  
**OPERATOR PHONE:** (301) 791-3175

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 131      **DIST/DIR:** 0.15 NW      **ELEVATION:** 615      **MAP ID:** 27

---

**NAME:** E. MASON HENDRICKSON  
**ADDRESS:** 137 SOUTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6012060  
**ID2:** 8726  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 5241  
**OWNER NAME:** E. Mason Hendrickson  
**OWNER ADDRESS:** 137 South Prospect Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-5815  
**CONTACT:** E.M. Hendrickson

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** E. M. Hendrickson  
**OPERATOR PHONE:** (301) 739-5815

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 262      **DIST/DIR:** 0.15 NW      **ELEVATION:** 615      **MAP ID:** 27

**NAME:** HENDRICKSON PROPERTY  
**ADDRESS:** 137 SOUTH PROSPECT ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 99-2746WA  
**ID2:** 99-2746WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 5/13/1999  
**DATE CLOSED:** 7/21/2000

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 13      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

<p><b>NAME:</b> HUB CITY AUTO BODY INC <b>ADDRESS:</b> 30 E BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 1/10/12 <b>ID1:</b> MDD981106743 <b>ID2:</b> <b>STATUS:</b> LGN <b>PHONE:</b></p>
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**SITE INFORMATION**

**CONTACT INFORMATION:** JOE CONSOLETTI  
30 E BALTIMORE ST  
HAGERSTOWN MD 21740

**PHONE:** 3017978884

**OWNER NAME:** HUB CITY AUTO BODY INC  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:** OPERNAME  
**OPERATOR TYPE:** P-PRIVATE  
**MAILING ADDRESS:** 30 E BALTIMORE ST  
HAGERSTOWN, MD 21740

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 11/12/1985

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	LQG - LARGE QUANTITY GENERATORS: GENERATES MORE THAN 1000
<b>KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>		<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 13      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

<p><b>NAME:</b> HUB CITY AUTO BODY INC <b>ADDRESS:</b> 30 E BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 1/10/12 <b>ID1:</b> MDD981106743 <b>ID2:</b> <b>STATUS:</b> LGN <b>PHONE:</b></p>
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**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	STATE	<b>DATE:</b>	90/07/1990
<b>TYPE:</b>	WRITTEN INFORMAL		
<b>AGENCY:</b>	STATE	<b>DATE:</b>	90/21/1990
<b>TYPE:</b>	INITIAL 3008(A) COMPLIANCE		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	1	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/11/1992
<b>TYPE:</b>	GENERATORS - GENERAL		
<b>VIOLATION NUMBER:</b>	2	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/21/1992
<b>TYPE:</b>	LDR - GENERAL		
<b>VIOLATION NUMBER:</b>	3	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/11/1992
<b>TYPE:</b>	GENERATORS - GENERAL		
<b>VIOLATION NUMBER:</b>	4	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/11/1992
<b>TYPE:</b>	GENERATORS - GENERAL		
<b>VIOLATION NUMBER:</b>	5	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/11/1992
<b>TYPE:</b>	GENERATORS - GENERAL		
<b>VIOLATION NUMBER:</b>	6	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/11/1992
<b>TYPE:</b>	GENERATORS - GENERAL		
<b>VIOLATION NUMBER:</b>	7	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/11/1992
<b>TYPE:</b>	GENERATORS - GENERAL		
<b>VIOLATION NUMBER:</b>	8	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	90/07/1990	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>		<b>RESOLVED:</b>	92/11/1992
<b>TYPE:</b>	GENERATORS - GENERAL		

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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<b>SEARCH ID:</b> 13	<b>DIST/DIR:</b> 0.16 SE	<b>ELEVATION:</b> 571	<b>MAP ID:</b> 28
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**NAME:** HUB CITY AUTO BODY INC  
**ADDRESS:** 30 E BALTIMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 1/10/12  
**ID1:** MDD981106743  
**ID2:**  
**STATUS:** LGN  
**PHONE:**

**HAZARDOUS WASTE INFORMATION:**

D001 - Ignitable waste

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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**SEARCH ID:** 65      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

---

**NAME:** MASSEY FORD BODY SHOP  
**ADDRESS:** E BALTIMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:**  
**ID1:** MD0001262542  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300233, 240430233  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 156      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

**NAME:** MASSEY AUTO BODY SHOP  
**ADDRESS:** 30 E BALTIMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 02/01/12  
**ID1:** 6012091  
**ID2:** 7738  
**STATUS:** INACTIVE  
**PHONE:**

**OWNER INFORMATION**

**OWNER ID NUMBER:** 4564  
**OWNER NAME:** Rock N Spring Corporation  
**OWNER ADDRESS:** 16735 Hawks Landing Lane  
Williamsport MD 21795  
**OWNER PHONE:** (301) 733-7170  
**CONTACT:** Alvin Massey

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Alvin Massey  
**OPERATOR PHONE:** (301) 733-7170

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Alvin Massey  
**OPERATOR PHONE:** (301) 733-7170

**TANK ID:** 3  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 380  
**SUBSTANCE:** Used Oil  
**OPERATOR:** Alvin Massey  
**OPERATOR PHONE:** (301) 733-7170

**TANK ID:** 4  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Alvin Massey  
**OPERATOR PHONE:** (301) 733-7170

**TANK ID:** 5  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Used Oil  
**OPERATOR:** Alvin Massey  
**OPERATOR PHONE:** (301) 733-7170

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 59      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

**NAME:** HUB CITY AUTO BODY INC  
**ADDRESS:** 30 E BALTIMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:**  
**ID1:** MDD981106743  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD981106743  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 60      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

<p><b>NAME:</b> HUB CITY AUTO BODY INC <b>ADDRESS:</b> 30 E BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON</p> <p><b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110003518426 <b>ID2:</b> MDD981106743 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-RCRA	<b>PROGRAM ID:</b>	4671
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	MDD981106743
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

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### FINDS

**SEARCH ID:** 63      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

<p><b>NAME:</b> MASSEY AUTO BODY <b>ADDRESS:</b> 30 E BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON</p> <p><b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110019890858 <b>ID2:</b> 043-0233 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0233
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

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**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 64      **DIST/DIR:** 0.16 SE      **ELEVATION:** 571      **MAP ID:** 28

<b>NAME:</b> MASSEY COLLISION CENTER	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 30 E BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110002469365 <b>ID2:</b> 2404300233
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300233
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

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**NIAC INFORMATION**

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FINDS

**SEARCH ID:** 38      **DIST/DIR:** 0.16 SE      **ELEVATION:** 574      **MAP ID:** 29

<b>NAME:</b> EXPRESS PRINTING	<b>REV:</b>
<b>ADDRESS:</b> 25 EAST ANTIETAM ST HAGERSTOWN MD 21740	<b>ID1:</b> MDD985377779
<b>CONTACT:</b>	<b>ID2:</b>
<b>SOURCE:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

RCRIS :  
 PCS :  
 AFS/AIRS : 2404331038  
 SSTS :  
 CERCLIS :  
 NCDB :  
 ENF DOCKET :  
 CONTR LIST :  
 CRIM DOCKET :  
 FFIS :  
 CICIS :  
 STATE :  
 PADS :  
 TRIS :  
 DandB : 082607516  
 UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 70      **DIST/DIR:** 0.16 NE      **ELEVATION:** 591      **MAP ID:** 30

**NAME:** ONE HOUR MARTINIZING  
**ADDRESS:** 45 POTOMAC STREET, SOUTH  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000795229  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300134, 240430134  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 71      **DIST/DIR:** 0.16 NE      **ELEVATION:** 591      **MAP ID:** 30

<p><b>NAME:</b> ONE HOUR MARTINIZING <b>ADDRESS:</b> 45 POTOMAC STREET, SOUTH HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> 11/1/06 <b>ID1:</b> 110001261296 <b>ID2:</b> 2404300134 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110001261296
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300134
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	AIRS/AFS
<b>LAST REPORTED:</b>	6/2/1994	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	AIR MINOR - A FACILITY IS CLASSIFIED AS A CLEAN AIR ACT STATIONARY SOURCE MINOR DISCHARGER OF AIR POLLUTANTS IF: (A) POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR; OR (B) MAJOR SOURCE THRESHOLDS ARE NOT DEFINED, OR CLASSIFICATION IS UNKNOWN.		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	A
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	REGULAR URBAN
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	2/4/2006 8:48:46 AM
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	Y
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	N
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	06
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	02070004
<b>EPA REGION:</b>	03
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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<b>SEARCH ID:</b> 71	<b>DIST/DIR:</b> 0.16 NE	<b>ELEVATION:</b> 591	<b>MAP ID:</b> 30
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**NAME:** ONE HOUR MARTINIZING  
**ADDRESS:** 45 POTOMAC STREET, SOUTH  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 11/1/06  
**ID1:** 110001261296  
**ID2:** 2404300134  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:**

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**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 127      **DIST/DIR:** 0.16 NE      **ELEVATION:** 593      **MAP ID:** 31

---

**NAME:** COURT HOUSE ANNEX      **REV:** 02/01/12  
**ADDRESS:** 24 SUMMIT AVE      **ID1:** 299  
HAGERSTOWN MD 21740      **ID2:** 299  
WASHINGTON      **STATUS:** INACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

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**OWNER INFORMATION**

**OWNER ID NUMBER:** 235  
**OWNER NAME:** Board of County Commissioners of Washington County  
**OWNER ADDRESS:** 100 W. Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (240) 313-2300  
**CONTACT:** Edwin Plank

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Diesel  
**OPERATOR:** Annejean Bitner  
**OPERATOR PHONE:** (301) 791-3175

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 119      **DIST/DIR:** 0.16 NE      **ELEVATION:** 593      **MAP ID:** 31

**NAME:** BOARD OF WASHINGTON CO. COMMISS.  
**ADDRESS:** WASH. CO. CT. HOUSE and ANNEX, SUMMIT  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3013436  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 1000  
**SUBSTANCE:** DIESEL

UST

**SEARCH ID:** 177      **DIST/DIR:** 0.16 NE      **ELEVATION:** 593      **MAP ID:** 31

**NAME:** WASHINGTON CO. COURT HOUSE ANN  
**ADDRESS:** SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3013430  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 6000  
**SUBSTANCE:** HEATING OIL

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 8      **DIST/DIR:** 0.17 SW      **ELEVATION:** 580      **MAP ID:** 32

<b>NAME:</b> DALLAS ALICE INC	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> 246 SUMMIT AVE HAGERSTOWN MD 21740	<b>ID1:</b> MDD985421189
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> SGN
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**SITE INFORMATION**

**CONTACT INFORMATION:** DIANE BROWN  
246 SUMMIT AVE  
HAGERSTOWN MD 21740

**PHONE:** 3017919227

**OWNER NAME:** DANIEL GAINESBURG  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:**  
**OPERATOR TYPE:**  
**MAILING ADDRESS:** 246 SUMMIT AVE  
HAGERSTOWN, MD 21740

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 03/17/1993

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
<b>KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>		<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

---

**SEARCH ID:** 8                      **DIST/DIR:** 0.17 SW                      **ELEVATION:** 580                      **MAP ID:** 32

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**NAME:** DALLAS ALICE INC  
**ADDRESS:** 246 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDD985421189  
**ID2:**  
**STATUS:** SGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

- D001 - Ignitable waste
- U210 - Ethene, tetrachloro- (OR) Tetrachloroethylene
- U220 - Benzene, methyl- (OR) Toluene
- U226 - Ethane, 1,1,1-trichloro- (OR) Methyl chloroform
- U239 - Benzene, dimethyl- (I,T) (OR) Xylene (I)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 33      **DIST/DIR:** 0.17 SW      **ELEVATION:** 580      **MAP ID:** 32

<b>NAME:</b> DALLAS ALICE INC	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 246 SUMMIT AVE	<b>ID1:</b> 110003536898
HAGERSTOWN MD 21740	<b>ID2:</b> MDD985421189
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-RCRA	<b>PROGRAM ID:</b> 8214
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

<b>PROGRAM:</b> RCRAINFO	<b>PROGRAM ID:</b> MDD985421189
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

---

**SEARCH ID:** 32      **DIST/DIR:** 0.17 SW      **ELEVATION:** 580      **MAP ID:** 32

---

**NAME:** DALLAS ALICE INC  
**ADDRESS:** 246 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD985421189  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD985421189  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 78      **DIST/DIR:** 0.17 SE      **ELEVATION:** 573      **MAP ID:** 33

**NAME:** PETER PAN CLEANERS  
**ADDRESS:** 31 BALTIMORE STREET, EAST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 110001260885  
**ID2:** 043-0137  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-PEMIS  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM ID:** 043-0137

**PROGRAM:** AIRS/AFS  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM ID:** 2404300137

**SIC INFORMATION**

**NIAC INFORMATION**



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 77      **DIST/DIR:** 0.17 SE      **ELEVATION:** 573      **MAP ID:** 33

**NAME:** PETER PAN CLEANERS  
**ADDRESS:** 31 BALTIMORE STREET, EAST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000795245  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300137, 240430137  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 279      **DIST/DIR:** 0.17 NE      **ELEVATION:** 587      **MAP ID:** 34

<b>NAME:</b>	PARKING DECK SITE	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	32 SOUTH POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	05-0955WA
<b>CONTACT:</b>		<b>ID2:</b>	05-0955WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	3/14/2005
<b>DATE CLOSED:</b>	3/2/2006

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

---

**SEARCH ID:** 113      **DIST/DIR:** 0.17 NE      **ELEVATION:** 587      **MAP ID:** 34

---

**NAME:** A and E PARKING DECK      **REV:** 02/01/12  
**ADDRESS:** 32 SOUTH POTOMAC ST      **ID1:** 19587  
HAGERSTOWN MD 21740      **ID2:** 19587  
WASHINGTON      **STATUS:** INACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

---

**OWNER INFORMATION**

**OWNER ID NUMBER:** 13370  
**OWNER NAME:** A and E Parking Deck  
**OWNER ADDRESS:** 32 South Potomac Street  
Hagerstown MD 21740  
**OWNER PHONE:** ( ) -  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** ( ) -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**LUST**

**SEARCH ID:** 297      **DIST/DIR:** 0.17 NW      **ELEVATION:** 627      **MAP ID:** 35

**NAME:** ST. JOHNS EPISCOPAL CHURCH  
**ADDRESS:** 101 SOUTH PROSPECT  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 93-0841WA  
**ID2:** 93-0841WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/30/1992

**DATE CLOSED:** 9/30/1992

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**UST**

**SEARCH ID:** 164      **DIST/DIR:** 0.17 NW      **ELEVATION:** 627      **MAP ID:** 35

**NAME:** SAINT JOHN S EPISCOPAL CHURCH  
**ADDRESS:** 101 SOUTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3012127  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 6000  
**SUBSTANCE:** HEATING OIL

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 220      **DIST/DIR:** 0.17 NE      **ELEVATION:** 595      **MAP ID:** 36

<b>NAME:</b>	CITY OF HAGERSTOWN/COURT HOUSE	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	95 WEST WASHINGTON ST. (BEHIND ALLEY OF CRTHSE) HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	97-1755WA
<b>CONTACT:</b>		<b>ID2:</b>	97-1755WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	3/28/1997
<b>DATE CLOSED:</b>	4/13/2001

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 339      **DIST/DIR:** 0.17 NE      **ELEVATION:** 602      **MAP ID:** 37

**NAME:** UNIVERSITY OF MARYLAND HAGERSTOWN CENTER  
**ADDRESS:** 35 WEST W. WASHINGTON AND 25.5-27 FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 10000003-10186  
**ID2:** 10186  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

Y= YES    N=NO    U=UNKNOWN

**GRANT RECIPIENT:** R3 BROWNFIELDS TBA (PREVIOUSLY SUPERFUND TBA)  
**TYPE OF GRANT:** TBA  
**TYPE OF FUNDING:** H  
**ACRES PROPERTY ID:** 10186  
**PROPERTY SIZE (ACRES):** 1  
**LOCAL PROPERTY NUMBER:**  
**OWNERSHIP ENTITTY:**  
**CURRENT OWNER:**  
**DID OWNERSHIP CHANGE:**  
**SUPERFUND LANDOWNER LIABILITY CHANGE:**  
**PAST USE GREENSPACE (ACRES):**  
**PAST USE RESIDENTIAL(ACRES):**  
**PAST USE COMMERCIAL (ACRES):**  
**PAST USE INDUSTRIAL (ACRES):**

**CONTAMINATION FOUND**

**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**CONTAMINATION CLEANED UP:**

**CLEANUP REQUIRED:**  
**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**MEDIA AFFECTED**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**  
**NO MEDIA:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**  
**UNKNOWN:**

**MEDIA CLEANED:**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**

**STATE OR TRIBAL PROGRAM:**  
**NFA/CLEANUP COMPL ISSUED:**

**STATE/TRIBAL ID:**  
**DATE ENROLLED IN PROG:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 339      **DIST/DIR:** 0.17 NE      **ELEVATION:** 602      **MAP ID:** 37

**NAME:** UNIVERSITY OF MARYLAND HAGERSTOWN CENTER  
**ADDRESS:** 35 WEST W. WASHINGTON AND 25.5-27 FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 10000003-10186  
**ID2:** 10186  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**INSTITUTIONAL CONTROL INFORMATION (IC)**

**IC REQUIRED:**  
**INFORMATIONAL DEVICES:**  
**ENFORCEMENT/PERMIT TOOLS:**  
**DATE IC IN PLACE:**

**PROPERTY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**IC IN PLACE:** U

**CLEANUP START DATE:**  
**ACRES CLEANED UP:**  
**PROVIDING CLEANUP FUNDS:**  
**REDEVELOP START:**

**CLEANUP COMPLETION:**  
**CLEANUP FUNDING SOURCE:**  
**AMOUNT OF FUNDING:**

**FUTURE USE (acres)**

**GREEN SPACE:**  
**COMMERCIAL:**

**RESIDENTIAL:**  
**INDUSTRIAL:**

**PROPERTY HIGHLIGHTS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 53      **DIST/DIR:** 0.18 NE      **ELEVATION:** 588      **MAP ID:** 38

**NAME:** HAGERSTOWN TRUST COMPANY  
**ADDRESS:** 83 WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 110019891937  
**ID2:** 043-0418  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-PEMIS      **PROGRAM ID:** 043-0418  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

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**NIAC INFORMATION**

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FINDS

**SEARCH ID:** 61      **DIST/DIR:** 0.18 NE      **ELEVATION:** 586      **MAP ID:** 39

**NAME:** MARYLAND CLASSICS  
**ADDRESS:** 28 POTOMAC ST, SOUTH  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0001262773  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300255, 240430255  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 195812565  
UNKNOWN :



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 62      **DIST/DIR:** 0.18 NE      **ELEVATION:** 586      **MAP ID:** 39

<b>NAME:</b> MARYLAND CLASSICS	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 28 POTOMAC STREET, SOUTH HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110001319886
	<b>ID2:</b> 2404300255
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300255
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

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**NIAC INFORMATION**  
--

**LUST**

**SEARCH ID:** 186      **DIST/DIR:** 0.18 SE      **ELEVATION:** 571      **MAP ID:** 40

<b>NAME:</b> ALVIN MASSEY PROPERTY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 40 EAST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 98-1788WA
	<b>ID2:</b> 98-1788WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	3/11/1998
<b>DATE CLOSED:</b>	3/11/1998

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 67      **DIST/DIR:** 0.18 SE      **ELEVATION:** 571      **MAP ID:** 40

<b>NAME:</b> MEADOWHAWK FARMS	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 40 EAST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110001793211
	<b>ID2:</b> 2404300081
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300081
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

--  
**NIAC INFORMATION**

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**LUST**

**SEARCH ID:** 192      **DIST/DIR:** 0.18 SE      **ELEVATION:** 571      **MAP ID:** 40

<b>NAME:</b> BESTER FLOWER SHOP	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 40 EAST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 92-0681WA
	<b>ID2:</b> 92-0681WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/12/1991

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 66      **DIST/DIR:** 0.18 SE      **ELEVATION:** 571      **MAP ID:** 40

**NAME:** MEADOWHAWK FARMS  
**ADDRESS:** 40 EAST BALTIMORE ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000794891  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300081, 240430081  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 92      **DIST/DIR:** 0.18 NE      **ELEVATION:** 596      **MAP ID:** 41

**NAME:** UNIVERSITY OF MARYLAND HAGERSTOWN CENTER  
**ADDRESS:** 35-46 W WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 11001533555  
**ID2:** MDB000305683  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** ACRES      **PROGRAM ID:** 10186  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM:** TBA      **PROGRAM ID:** MDB000305683  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

**NIAC INFORMATION**

- 4953 - REFUSE SYSTEMS \_\_\_\_\_ -
- 4911 - ELECTRIC SERVICES \_\_\_\_\_ -
- 5541 - GASOLINE SERVICE STATIONS \_\_\_\_\_ -
- 9999 - NONCLASSIFIABLE ESTABLISHMENTS \_\_\_\_\_ -
- 9999 - NONCLASSIFIABLE ESTABLISHMENTS \_\_\_\_\_ -
- 2842 - SPECIALTY CLEANING, POLISHING, AND SANITATION PREPARATIONS \_\_\_\_\_ -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

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<b>SEARCH ID:</b> 110	<b>DIST/DIR:</b> 0.18 NE	<b>ELEVATION:</b> 607	<b>MAP ID:</b> 41
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<b>NAME:</b> UNIVERSITY OF MD - HAGERSTOWN CENTER	<b>REV:</b> 02/01/09
<b>ADDRESS:</b> 35-46 W WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 681
<b>CONTACT:</b>	<b>ID2:</b>
<b>SOURCE:</b> MDE	<b>STATUS:</b> ERRP
	<b>PHONE:</b>

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**ENVIRONMENTAL RESTORATION and REDEVELOPMENT PROGRAM(ERRP) SITE INVENTORY LIST**

**ERRP DESIGNATION:** BROWNFIELD ASSESSMENT  
**ALIAS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

BROWNFIELD

**SEARCH ID:** 332      **DIST/DIR:** 0.18 NE      **ELEVATION:** 607      **MAP ID:** 41

**NAME:** UNIVERSITY OF MD - HAGERSTOWN CENTER  
**ADDRESS:** 35-46 W WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 01/01/12  
**ID1:** BF-1694  
**ID2:**  
**STATUS:** BROWNFIELD  
**PHONE:**

**MD LAND RESTORATION PRORAM BROWNFIELD SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** BROWNFIELD  
**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 340      **DIST/DIR:** 0.18 NE      **ELEVATION:** 607      **MAP ID:** 41

<b>NAME:</b> UNIVERSITY OF MARYLAND HAGERSTOWN CENTER	<b>REV:</b> 10/1/08
<b>ADDRESS:</b> 35-46 W WASHINGTON ST HAGERSTOWN MD WASHINGTON	<b>ID1:</b> 10000003-42
	<b>ID2:</b> 10186
<b>CONTACT:</b>	<b>STATUS:</b> EPA BROWNFIELD
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**SITE INFORMATION:**

**RECIPIENT NAME:** R3 TBA (SUPERFUND FUNDED)  
**GRANT PROJ NAME:** R3 TBA (SUPERFUND FUNDED)  
**CURRENT USE:**  
**FUTURE USE:**  
**PAST USAGE TYPE:**  
**FUTURE USAGE TYPE:**  
**START DATE:** 8/17/2001  
**COMPLETION DATE:** 8/17/2001  
**CLEANUP REQUIRED:**  
**ACCOMP TYPE:** PHASE II ENVIRONMENTAL ASSESSMENT  
**ACCOMP AMOUNT(ACRES):**

**PROPERTY ID:** 10186      **PROPRETY SIZE:** 1  
**PARCEL NUMBER:**  
**CURRENT OWNER:**      **OWNER ENTITY:**

**CONTAMINATION FOUND**

<b>PETROLEUM PROD:</b>	<b>CONTROLLED SUB:</b>
<b>ASBESTOS:</b>	<b>PCBS:</b>
<b>VOCS:</b>	<b>LEAD:</b>
<b>OTHER METALS:</b>	<b>PAHS:</b>
<b>OTHER:</b>	<b>NONE:</b>
<b>UNKNOWN:</b>	

**MEDIA FOUND**

<b>SOIL:</b>	<b>AIR:</b>
<b>SURFACE WATER:</b>	<b>GROUND WATER:</b>
<b>DRINKING WATER:</b>	<b>SEDIMENTS:</b>

**CONTAMINANTS CLEANED UP**

<b>PETROLEUM:</b>	<b>CONTROLLED SUB:</b>
<b>ASBESTOS:</b>	<b>PCB:</b>
<b>VOC:</b>	<b>LEAD:</b>
<b>OTHER METAL:</b>	<b>PAHS:</b>
<b>OTHER:</b>	<b>UNKNOWN:</b>
<b>NONE:</b>	

**MEDIA CLEANED UP**

<b>SOIL:</b>	<b>AIR:</b>
<b>SURFACE WATER:</b>	<b>GROUND WATER:</b>
<b>DRINKING WATER:</b>	<b>SEDIMENTS:</b>
<b>UNKNOWN:</b>	<b>NONE:</b>

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

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**SEARCH ID:** 340      **DIST/DIR:** 0.18 NE      **ELEVATION:** 607      **MAP ID:** 41

---

**NAME:** UNIVERSITY OF MARYLAND HAGERSTOWN CENTER  
**ADDRESS:** 35-46 W WASHINGTON ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 10/1/08  
**ID1:** 10000003-42  
**ID2:** 10186  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

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**STATE/TRIBAL PROG ID:**  
**STATE/TRIBE PROG ENROLL:**  
**NOT ENROLLED:**  
**NFA ISSUE DATE:**  
**IC REQUIRED:**  
**IC IN PLACE:** U  
**IC IN PLACE DATE:**  
**PROPRIETARY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**ENFORCE PERM TOOLS:**  
**INFORM DEVICES:**  
**IC DATA ADDRESS:**  
**PHOTO AVAIL:**  
**VIDEO AVAIL:**



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 322      **DIST/DIR:** 0.18 NE      **ELEVATION:** 597      **MAP ID:** 42

**NAME:** WASHINGTON COUNTY COURTHOUSE  
**ADDRESS:** 95 WEST WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 05-0793WA  
**ID2:** 05-0793WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-7B-Soil Contamination Commercial Heating Oil  
**DATE OPEN:** 1/4/2005  
**DATE CLOSED:** 1/22/2007

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 128      **DIST/DIR:** 0.18 NE      **ELEVATION:** 597      **MAP ID:** 42

<b>NAME:</b>	COURT HOUSE ANNEX	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	95 WEST WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	304
<b>CONTACT:</b>		<b>ID2:</b>	304
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	INACTIVE
		<b>PHONE:</b>	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 235  
**OWNER NAME:** Board of County Commissioners of Washington County  
**OWNER ADDRESS:** 100 W. Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (240) 313-2300  
**CONTACT:** Edwin Plank

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Diesel  
**OPERATOR:** Annejean Bitner  
**OPERATOR PHONE:** (301) 791-3175

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 1100  
**SUBSTANCE:** Diesel  
**OPERATOR:** Annejean Bitner  
**OPERATOR PHONE:** (301) 791-3175

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 99      **DIST/DIR:** 0.18 NE      **ELEVATION:** 597      **MAP ID:** 42

<b>NAME:</b>		<b>REV:</b>	10/25/11
<b>ADDRESS:</b>	95 WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	110019881537
		<b>ID2:</b>	043-0446
<b>CONTACT:</b>		<b>STATUS:</b>	FRS
<b>SOURCE:</b>	EPA	<b>PHONE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0446
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

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**NIAC INFORMATION**

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**UST**

**SEARCH ID:** 120      **DIST/DIR:** 0.18 NE      **ELEVATION:** 591      **MAP ID:** 43

<b>NAME:</b>	BRYAN CENTRE	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	82 WEST WASHINGTON ST HAGERSTOWN MD 21740	<b>ID1:</b>	6012022
		<b>ID2:</b>	371
<b>CONTACT:</b>		<b>STATUS:</b>	INACTIVE
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	281
<b>OWNER NAME:</b>	Bryan, James C.
<b>OWNER ADDRESS:</b>	11128 Country Club Road Waynesboro PA 17268
<b>OWNER PHONE:</b>	(717) 762-8225
<b>CONTACT:</b>	James C. Bryan

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out Of Use
<b>TANK CAPACITY:</b>	6000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	James C. Bryan
<b>OPERATOR PHONE:</b>	(301) 790-1400

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**LUST**

**SEARCH ID:** 203      **DIST/DIR:** 0.18 NE      **ELEVATION:** 591      **MAP ID:** 43

<b>NAME:</b>	BRYAN CENTER	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	82 WEST WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	95-1274WA
<b>CONTACT:</b>		<b>ID2:</b>	95-1274WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 11/21/1994  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**LUST**

**SEARCH ID:** 204      **DIST/DIR:** 0.18 NE      **ELEVATION:** 591      **MAP ID:** 43

<b>NAME:</b>	BRYAN CENTRE	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	82 W WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	11-0754WA
<b>CONTACT:</b>		<b>ID2:</b>	11-0754WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	OPEN
		<b>PHONE:</b>	

**LEAK INFORMATION**

**STATUS:** OPEN  
**RELEASE:** YES  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 6/28/2011  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 270      **DIST/DIR:** 0.18 NE      **ELEVATION:** 588      **MAP ID:** 44

<b>NAME:</b>	MARYLAND THEATRE	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	21 SOUTH POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	98-1365WA
<b>CONTACT:</b>		<b>ID2:</b>	98-1365WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	1/8/1998
<b>DATE CLOSED:</b>	3/1/1999

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 171      **DIST/DIR:** 0.18 NE      **ELEVATION:** 588      **MAP ID:** 44

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**NAME:** THE MARYLAND THEATRE  
**ADDRESS:** 21 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6012088  
**ID2:** 1507  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 1071  
**OWNER NAME:** Maryland Theatre Association, Inc., The  
**OWNER ADDRESS:** 21 S. Potomac Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 790-3500  
**CONTACT:** Pat Wolford

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Micky O Brein  
**OPERATOR PHONE:** (301) 790-3500

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 233      **DIST/DIR:** 0.18 NE      **ELEVATION:**      **MAP ID:** 45

<b>NAME:</b> DEMCORE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 13 S POTOMAC ST/HAGERSROW HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 10-0033WA <b>ID2:</b> 10-0033WA
<b>CONTACT:</b>	<b>STATUS:</b> OPEN
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	OPEN
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	7/9/2009
<b>DATE CLOSED:</b>	

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 304      **DIST/DIR:** 0.18 NE      **ELEVATION:** 595      **MAP ID:** 46

<b>NAME:</b> SUSQUEHANNA BANK	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 59 W WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 11-0679WA <b>ID2:</b> 11-0679WA
<b>CONTACT:</b>	<b>STATUS:</b> OPEN
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	OPEN
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	
<b>SECTION:</b>	C-BELOW GROUND (PREVENTATIVE)
<b>CODE DESCRIPTION:</b>	C-11B
<b>DATE OPEN:</b>	5/24/2011
<b>DATE CLOSED:</b>	

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

---

**SEARCH ID:** 126      **DIST/DIR:** 0.19 NE      **ELEVATION:** 604      **MAP ID:** 47

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**NAME:** COUNTY OFFICE BUILDING  
**ADDRESS:** 33 WEST WASHINGTON ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 3013438  
**ID2:** 302  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 235  
**OWNER NAME:** Board of County Commissioners of Washington County  
**OWNER ADDRESS:** 100 W. Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (240) 313-2300  
**CONTACT:** Edwin Plank

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 3000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Annejean Bitner  
**OPERATOR PHONE:** (301) 791-3175



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 87      **DIST/DIR:** 0.19 NE      **ELEVATION:** 604      **MAP ID:** 47

**NAME:** SUBDISTRICT NO 4 SHARPSBURG  
**ADDRESS:** 33 WEST WASHINGTON ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0001618156  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS : MD0054402  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 97      **DIST/DIR:** 0.19 NE      **ELEVATION:** 591      **MAP ID:** 48

<b>NAME:</b> WASHINGTON COUNTY ADMINISTRATION BUILDING	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 100 WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110019882670 <b>ID2:</b> 043-0421
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-PEMIS	<b>PROGRAM ID:</b> 043-0421
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

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**NIAC INFORMATION**

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**UST**

**SEARCH ID:** 136      **DIST/DIR:** 0.19 NE      **ELEVATION:** 594      **MAP ID:** 49

<b>NAME:</b> FORMER ELKS CLUB	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 7 SOUTH POTOMAC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 19155 <b>ID2:</b> 19155
<b>CONTACT:</b>	<b>STATUS:</b> INACTIVE
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	12956
<b>OWNER NAME:</b>	Vincent R. Groh
<b>OWNER ADDRESS:</b>	686 Pennsylvania Avenue Hagerstown MD 21740
<b>OWNER PHONE:</b>	(301) 739-1690
<b>CONTACT:</b>	

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out of Use
<b>TANK CAPACITY:</b>	3000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	(301) 739-1690

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 135      **DIST/DIR:** 0.19 NE      **ELEVATION:** 594      **MAP ID:** 49

**NAME:** FORMER ELKS CLUB  
**ADDRESS:** 7 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3011859  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 3000  
**SUBSTANCE:** HEATING OIL

UST

**SEARCH ID:** 118      **DIST/DIR:** 0.19 NE      **ELEVATION:** 594      **MAP ID:** 49

**NAME:** BARBARA INGRAM SCHOOL FOR THE ARTS  
**ADDRESS:** 7 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 19789  
**ID2:** 19789  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 13574  
**OWNER NAME:** Barbara Ingram School for the Arts  
**OWNER ADDRESS:** 7-11 South Potomac Street  
Hagerstown MD 21740  
**OWNER PHONE:** ( ) -  
**CONTACT:** Jim Wollard

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 8000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Jim Wollard  
**OPERATOR PHONE:** ( ) -

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 190      **DIST/DIR:** 0.19 NE      **ELEVATION:** 594      **MAP ID:** 49

**NAME:** BARBARA INGRAM SCHL FOR THE ARTS  
**ADDRESS:** 7 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 09-0477WA  
**ID2:** 09-0477WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 2/6/2009  
**DATE CLOSED:** 3/3/2010

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

UST

**SEARCH ID:** 140      **DIST/DIR:** 0.19 NE      **ELEVATION:** 591      **MAP ID:** 50

**NAME:** GROH, VINCENT R.  
**ADDRESS:** 15 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3011858  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 10000  
**SUBSTANCE:** HEATING OIL

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 175      **DIST/DIR:** 0.19 NE      **ELEVATION:** 591      **MAP ID:** 50

---

**NAME:** VINCENT R. GROH      **REV:** 02/01/12  
**ADDRESS:** 15 SOUTH POTOMAC ST      **ID1:** 19154  
HAGERSTOWN MD 21740      **ID2:** 19154  
WASHINGTON      **STATUS:** INACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

---

**OWNER INFORMATION**

**OWNER ID NUMBER:** 12956  
**OWNER NAME:** Vincent R. Groh  
**OWNER ADDRESS:** 686 Pennsylvania Avenue  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-1690  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 10000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-1690

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 184      **DIST/DIR:** 0.19 NE      **ELEVATION:** 592      **MAP ID:** 51

<b>NAME:</b> ALL FIRST BANK	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 101 WEST WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 01-0931WA <b>ID2:</b> 01-0931WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 1/11/2001  
**DATE CLOSED:** 2/25/2002

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 210      **DIST/DIR:** 0.19 SE      **ELEVATION:** 572      **MAP ID:** 52

<b>NAME:</b> CAUFMAN FUNERAL HOME	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 40 EAST ANTIETAM ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 93-2862WA <b>ID2:</b> 93-2862WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 6/28/1993  
**DATE CLOSED:** 6/28/1992

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 165      **DIST/DIR:** 0.20 NW      **ELEVATION:** 620      **MAP ID:** 53

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**NAME:** SAINT JOHN S EPISCOPAL CHURCH  
**ADDRESS:** 101 SOUTH PROSPECT ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 19312  
**ID2:** 19312  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 13112  
**OWNER NAME:** Saint John s Episcopal Church  
**OWNER ADDRESS:** 101 South Prospect Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 733-2560  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 733-2560

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 17      **DIST/DIR:** 0.21 NE      **ELEVATION:** 586      **MAP ID:** 54

<p><b>NAME:</b> ALEXANDER HOUSE <b>ADDRESS:</b> 7 WASHINGTON STREET, EAST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110001793220 <b>ID2:</b> 2404300098 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300098
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0098
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

### LUST

**SEARCH ID:** 183      **DIST/DIR:** 0.21 NE      **ELEVATION:** 586      **MAP ID:** 54

<p><b>NAME:</b> ALEXANDER HOUSE <b>ADDRESS:</b> 7 EAST WASHINGTON CT HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 02/01/12 <b>ID1:</b> 98-0928WA <b>ID2:</b> 98-0928WA <b>STATUS:</b> CLOSED <b>PHONE:</b></p>
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**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	10/29/1997
<b>DATE CLOSED:</b>	11/4/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 114      **DIST/DIR:** 0.21 NE      **ELEVATION:** 586      **MAP ID:** 54

---

**NAME:** ALEXANDER HOUSE, INC.  
**ADDRESS:** 7 EAST WASHINGTON ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6013248  
**ID2:** 1416  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 1012  
**OWNER NAME:** Alexander House, Inc.  
**OWNER ADDRESS:** 7 E. Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 791-2332  
**CONTACT:** Jean Hettenhouser

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 550  
**SUBSTANCE:** Diesel  
**OPERATOR:** Jean Hettenhouser  
**OPERATOR PHONE:** (301) 791-2332

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 16      **DIST/DIR:** 0.21 NE      **ELEVATION:** 586      **MAP ID:** 54

**NAME:** ALEXANDER HOUSE  
**ADDRESS:** 7 WASHINGTON STREET, EA  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000794966  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300098, 240430098  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 155      **DIST/DIR:** 0.21 NE      **ELEVATION:** 597      **MAP ID:** 55

<b>NAME:</b> HOME FEDERAL SAVINGS BANK	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 128 W WASHINGTON ST	<b>ID1:</b> 19231
HAGERSTOWN MD 21740	<b>ID2:</b> 19231
WASHINGTON	<b>STATUS:</b> ACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	1049
<b>OWNER NAME:</b>	Home Federal Savings Bank
<b>OWNER ADDRESS:</b>	122-128 W. Washington Street Hagerstown MD 21740
<b>OWNER PHONE:</b>	(301) 733-6300
<b>CONTACT:</b>	Linda Stoner

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out Of Use
<b>TANK CAPACITY:</b>	8000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	(301) 733-6600

<b>TANK ID:</b>	2
<b>TANK STATUS:</b>	Currently In Use
<b>TANK CAPACITY:</b>	3000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	(301) 733-6600

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 263      **DIST/DIR:** 0.21 NE      **ELEVATION:** 597      **MAP ID:** 55

**NAME:** HOME FEDERAL SAVINGS BANK  
**ADDRESS:** 128 W WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 94-0395WA  
**ID2:** 94-0395WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 8/2/1993

**DATE CLOSED:** 8/2/1993

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

UST

**SEARCH ID:** 154      **DIST/DIR:** 0.21 NE      **ELEVATION:** 597      **MAP ID:** 55

**NAME:** HOME FEDERAL SAVINGS BANK  
**ADDRESS:** 128 W WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 6/5/1998  
**ID1:** 6013169  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 3000  
**SUBSTANCE:** HEATING OIL

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 247      **DIST/DIR:** 0.21 NE      **ELEVATION:** 603      **MAP ID:** 56

**NAME:** FRIDINGER/RITCHIE COMPANY  
**ADDRESS:** 132 WEST WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 91-0577WA  
**ID2:** 91-0577WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/28/1990

**DATE CLOSED:** 9/28/1990

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 100      **DIST/DIR:** 0.22 NE      **ELEVATION:**      **MAP ID:** 57

<b>NAME:</b>	<b>REV:</b> 9/12/05
<b>ADDRESS:</b> CITY HALL 1 NORTH POTOMAC ST HAGERSTOWN MD WASHINGTON	<b>ID1:</b> 110020933837
<b>CONTACT:</b>	<b>ID2:</b>
<b>SOURCE:</b>	<b>STATUS:</b> FRS
	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110020933837
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/18/2005 2:35:31 PM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	AIRS/AQS
<b>LAST REPORTED:</b>	4/18/2005 2:35:32 PM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	AIRS/AQS	<b>PROGRAM ID:</b>	240430002
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	1/1/1957
<b>AGENCY INT QUAL:</b>	MONITORING START DATE	<b>INTEREST ENDED:</b>	1/1/1978
<b>INT END QUAL:</b>	MONITORING END DATE	<b>SOURCE OF DATA:</b>	AIRS/AQS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	4/18/2005 2:35:33 PM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	AIR QUALITY MONITOR -		

**SITE TYPE:** MONITORING STATION  
**INTEREST STATUS:** A  
**DATA QUALITY:** mNmZ  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/18/2005 2:35:32 PM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:**  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 82      **DIST/DIR:** 0.23 NE      **ELEVATION:** 575      **MAP ID:** 58

<b>NAME:</b> PRO WASH	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 18 WASHINGTON STREET, EAST	<b>ID1:</b> 110001838343
HAGERSTOWN MD 21740	<b>ID2:</b> 043-0229
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> AIRS/AFS	<b>PROGRAM ID:</b> 2404300229
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

<b>PROGRAM:</b> MD-PEMIS	<b>PROGRAM ID:</b> 043-0229
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

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**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 137      **DIST/DIR:** 0.23 SW      **ELEVATION:** 603      **MAP ID:** 59

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**NAME:** GARLOCK MANOR, L.L.C.      **REV:** 02/01/12  
**ADDRESS:** 241 SOUTH PROSPECT ST      **ID1:** 9002  
HAGERSTOWN MD 21740      **ID2:** 9002  
WASHINGTON      **STATUS:** ACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

---

**OWNER INFORMATION**

**OWNER ID NUMBER:** 5431  
**OWNER NAME:** Garlock Manor, L.L.C.  
**OWNER ADDRESS:** 1710 Underpass Way  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 745-8700  
**CONTACT:** Peter E. Perini, Sr.

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Currently In Use  
**TANK CAPACITY:** 750  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Peter E. Perini, Sr.  
**OPERATOR PHONE:** (301) 745-8700



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 20      **DIST/DIR:** 0.24 SW      **ELEVATION:** 563      **MAP ID:** 60

**NAME:** BMD WELDING and FABRICATION  
**ADDRESS:** 89 LEE STREET, WEST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000732859  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300072, 240430072  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 845876077  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 21      **DIST/DIR:** 0.24 SW      **ELEVATION:** 563      **MAP ID:** 60

**NAME:** BMD WELDING and FABRICATION  
**ADDRESS:** 89 LEE STREET, WEST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 110001793186  
**ID2:** 2404300072  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** AIRS/AFS      **PROGRAM ID:** 2404300072  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM:** MD-PEMIS      **PROGRAM ID:** 043-0072  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

**NIAC INFORMATION**

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**FINDS**

**SEARCH ID:** 83      **DIST/DIR:** 0.24 SW      **ELEVATION:** 563      **MAP ID:** 60

**NAME:** R AND M METFAB INDUSTRIES  
**ADDRESS:** 89 LEE STREET, WEST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 110006619677  
**ID2:** 2404300182  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** AIRS/AFS      **PROGRAM ID:** 2404300182  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

**NIAC INFORMATION**

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**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

---

**SEARCH ID:** 84      **DIST/DIR:** 0.24 SW      **ELEVATION:** 563      **MAP ID:** 60

---

**NAME:** RandM METFAB IND  
**ADDRESS:** 89 WEST LEE ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD985377795  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300182, 240430182, 2404331328  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 34      **DIST/DIR:** 0.24 SW      **ELEVATION:** 572      **MAP ID:** 61

**NAME:** DALLAS ALICE MT SCREEN PRINTING  
**ADDRESS:** 94 WEST LEE ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000732669  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300169, 240430169  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 35      **DIST/DIR:** 0.24 SW      **ELEVATION:** 572      **MAP ID:** 61

**NAME:** DALLAS ALICE/ MT. SCREEN PRINTING  
**ADDRESS:** 94 WEST LEE ST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 110001793480  
**ID2:** 2404300169  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** AIRS/AFS      **PROGRAM ID:** 2404300169  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

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**NIAC INFORMATION**

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**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 151      **DIST/DIR:** 0.24 SW      **ELEVATION:** 573      **MAP ID:** 62

---

**NAME:** HENRY D. BURKETT and E. SCHUHLY  
**ADDRESS:** 300 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3011899  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 4000  
**SUBSTANCE:**

**TANK ID:** 002  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 4000  
**SUBSTANCE:**

**TANK ID:** 003  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 4000  
**SUBSTANCE:**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 212      **DIST/DIR:** 0.24 SW      **ELEVATION:** 573      **MAP ID:** 62

**NAME:** CHICK SEAFOOD RESTAURANT  
**ADDRESS:** SUMMIT AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 91-2039WA  
**ID2:** 91-2039WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 4/25/1991  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 271      **DIST/DIR:** 0.24 NE      **ELEVATION:** 586      **MAP ID:** 63

**NAME:** MEINEKE MUFFLERS/TOM S GULF CENTER  
**ADDRESS:** 37 NORTH JONATHAN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 91-2233WA  
**ID2:** 91-2233WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 5/21/1991  
**DATE CLOSED:** 5/22/1991

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 157      **DIST/DIR:** 0.24 NE      **ELEVATION:** 586      **MAP ID:** 63

**NAME:** MEINEKE MUFFLER  
**ADDRESS:** 37 NORTH JONATHAN ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3012164  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 6000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 002  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 6000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 003  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 6000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 004  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 500  
**SUBSTANCE:** USED OIL



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 173      **DIST/DIR:** 0.24 NE      **ELEVATION:**      **MAP ID:** 63

<b>NAME:</b> TOMS GULF CENTER	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 37 NORTH JONATHAN ST	<b>ID1:</b> 19314
HAGERSTOWN MD 21740	<b>ID2:</b> 19314
WASHINGTON	<b>STATUS:</b> INACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 13114  
**OWNER NAME:** Maurice W. Toms  
**OWNER ADDRESS:** 37 N. Jonathan Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-7020  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-7020

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-7020

**TANK ID:** 3  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Gasoline  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-7020

**TANK ID:** 4  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 500  
**SUBSTANCE:** Used Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-7020

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 314      **DIST/DIR:** 0.24 NW      **ELEVATION:** 611      **MAP ID:** 64

<b>NAME:</b> UNKNOWN	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 215-219 WEST WASHINGTON ST	<b>ID1:</b> 05-1054WA
HAGERSTOWN MD 21740	<b>ID2:</b> 05-1054WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	4/13/2005
<b>DATE CLOSED:</b>	7/24/2006

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 174      **DIST/DIR:** 0.24 NW      **ELEVATION:** 611      **MAP ID:** 64

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**NAME:** UNKNOWN HAGERSTOWN      **REV:** 02/01/12  
**ADDRESS:** 215-219 WEST WASHINGTON ST      **ID1:** 19690  
HAGERSTOWN MD 21740      **ID2:** 19690  
WASHINGTON      **STATUS:** INACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

---

**OWNER INFORMATION**

**OWNER ID NUMBER:** 13460  
**OWNER NAME:** Unknown Hagerstown  
**OWNER ADDRESS:** 215-219 W Washington St  
Hagerstown MD 21740  
**OWNER PHONE:** ( ) -  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** ( ) -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

NPL

**SEARCH ID:** 1      **DIST/DIR:** 0.25 NE      **ELEVATION:**      **MAP ID:** 65

**NAME:** CENTRAL CHEMICAL (HAGERSTOWN)  
**ADDRESS:** 49 NORTH JOHNATHAN ST  
HAGERSTOWN MD 21742  
**CONTACT:** PAT STAVOLA, ESQ.  
**SOURCE:** EPA

**REV:** 5/9/12  
**ID1:** MDD003061447  
**ID2:** 0303260  
**STATUS:** FINAL  
**PHONE:** 9106327637

**SITE INFORMATION**

**EVENT TYPE**

<b>SITE DISCOVERY BY:</b>	EPA	<b>DISCOVERY DATE:</b>	12-21-88
<b>SITE PROPOSED BY:</b>	EPA	<b>PROPOSED DATE:</b>	06-17-96
<b>FINAL LIST BY:</b>	EPA	<b>FINAL LIST DATE:</b>	06-14-96

**ACTIVITIES:**

**CONTAMINANTS:**  
**SOURCE OF CONTAMINATION:**

**CONTAMINATED:**  
**THREATENED:**

**FINAL DATE:** 09/25/1997

**SITE DESCRIPTION**

Conditions at Proposal (June 1996): Central Chemical blended and produced pesticides and fertilizers at the 19-acre site on North Jonathan Street in Hagerstown, Washington County, Maryland from the 1930s until 1968. Pesticide operations ceased in 1968 and the company only produced fertilizer from 1968 until closure in 1984. Currently the site is leased for warehousing, auto rebuilding, and other purposes.

The site consists of three sources: an old stone quarry, a sinkhole, and an area of contaminated soil. Soluble materials such as DDT, chlordane, and other pesticides and wastes that became out-of-date or were banned by the government were buried in the old stone quarry. Insoluble wastes were buried in trenches or sinkholes throughout areas east and northeast of the quarry. Following the discovery of elevated concentrations of pesticides and heavy metals in 1976, the State of Maryland ordered Central Chemical to investigate and stabilize the site. After complying with these orders by capping the quarry and sinkhole areas with clay and soil and vegetating these areas, the State issued a Notice of Compliance to Central Chemical on December 14, 1979.

After discovering an on-site dump area during the excavation of a sewer line in 1987, the State began negotiating a Consent Order with Central Chemical to clean up the site. To date, Central Chemical has not signed this order.

Through the Cooperative Agreement with EPA, the State conducted an expanded site inspection at Central Chemical in May of 1993. DDT was detected at elevated levels in sediment samples taken from the storm water runoff system and Antietam Creek. Antietam Creek is used for fishing and recreational purposes. High levels of DDT and other pesticides were also detected in soil samples on and near the site.

Status (September 1997): EPA has conducted additional sampling at the site. Central Chemical extended the fence to enclose the contaminated area in response to the discovery of contaminated soil outside the former fence line.

[The description of the site (release) is based on information available at the time the site was scored. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices.]

**CERCLIS DETAILS**

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### NPL

**SEARCH ID:** 1      **DIST/DIR:** 0.25 NE      **ELEVATION:**      **MAP ID:** 65

<p><b>NAME:</b> CENTRAL CHEMICAL (HAGERSTOWN) <b>ADDRESS:</b> 49 NORTH JOHNATHAN ST HAGERSTOWN MD 21742</p> <p><b>CONTACT:</b> PAT STAVOLA, ESQ. <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 5/9/12 <b>ID1:</b> MDD003061447 <b>ID2:</b> 0303260 <b>STATUS:</b> FINAL <b>PHONE:</b> 9106327637</p>
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ACTION/QUALITY	AGENCY/RPS	START/RAA	END
claim in bankruptcy proceeding	Federal Enforcement	8/12/2009	9/17/2010
lodged by doj	Federal Enforcement		8/24/2010
potentially responsible party remedial investigation/feasibility study	Responsible Party	8/29/1997	9/30/2009
record of decision	Federal Enforcement Primary		9/30/2009
administrative records	EPA Fund-Financed		4/13/2009
national priorities list responsible party search Search Complete, Viable PRPs	Federal Enforcement	6/30/1995	12/17/2008
claim in bankruptcy proceeding	Federal Enforcement	3/28/2003	6/2/2008
consent decree	Federal Enforcement		6/2/2008
lodged by doj	Federal Enforcement		3/11/2008
issue request letters (104e)	Federal Enforcement		2/8/2007
issue request letters (104e)	Federal Enforcement		2/6/2007
forward planning activity/management assistance	EPA Fund-Financed	9/25/2001	7/1/2003
notice letters issued	Federal Enforcement		8/30/1999
notice letters issued	Federal Enforcement		10/9/1998
issue request letters (104e)	Federal Enforcement		6/15/1998
notice letters issued	Federal Enforcement		5/18/1998
issue request letters (104e)	Federal Enforcement		5/12/1998

- Continued on next page -

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### NPL

**SEARCH ID:** 1      **DIST/DIR:** 0.25 NE      **ELEVATION:**      **MAP ID:** 65

<p><b>NAME:</b> CENTRAL CHEMICAL (HAGERSTOWN) <b>ADDRESS:</b> 49 NORTH JOHNATHAN ST HAGERSTOWN MD 21742</p> <p><b>CONTACT:</b> PAT STAVOLA, ESQ. <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 5/9/12 <b>ID1:</b> MDD003061447 <b>ID2:</b> 0303260 <b>STATUS:</b> FINAL <b>PHONE:</b> 9106327637</p>
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issue request letters (104e)	Federal Enforcement		5/6/1998
issue request letters (104e)	Federal Enforcement		4/28/1998
issue request letters (104e)	Federal Enforcement		4/20/1998
issue request letters (104e)	Federal Enforcement		4/13/1998
issue request letters (104e)	Federal Enforcement		4/1/1998
issue request letters (104e)	Federal Enforcement		3/27/1998
issue request letters (104e)	Federal Enforcement		3/20/1998
issue request letters (104e)	Federal Enforcement		3/11/1998
issue request letters (104e)	Federal Enforcement		2/27/1998
notice letters issued	Federal Enforcement		2/18/1998
issue request letters (104e)	Federal Enforcement		1/26/1998
notice letters issued	Federal Enforcement		12/29/1997
issue request letters (104e)	Federal Enforcement		12/29/1997
issue request letters (104e)	Federal Enforcement		11/18/1997
final listing on national priorities list	EPA Fund-Financed Primary		9/25/1997
remedial investigation/feasibility study negotiations	Federal Enforcement Alternate	3/24/1997	8/29/1997
administrative order on consent	Federal Enforcement		8/29/1997
issue request letters (104e)	Federal Enforcement		8/27/1997

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

NPL

**SEARCH ID:** 1      **DIST/DIR:** 0.25 NE      **ELEVATION:**      **MAP ID:** 65

<p><b>NAME:</b> CENTRAL CHEMICAL (HAGERSTOWN) <b>ADDRESS:</b> 49 NORTH JOHNATHAN ST HAGERSTOWN MD 21742</p> <p><b>CONTACT:</b> PAT STAVOLA, ESQ. <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 5/9/12 <b>ID1:</b> MDD003061447 <b>ID2:</b> 0303260 <b>STATUS:</b> FINAL <b>PHONE:</b> 9106327637</p>
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potentially responsible party removal Stabilized	Responsible Party Primary	2/28/1997	6/12/1997
special notice issued	Federal Enforcement		5/19/1997
special notice issued	Federal Enforcement		3/24/1997
removal negotiations	Federal Enforcement Primary	11/18/1996	2/28/1997
removal assessment	EPA Fund-Financed Primary	4/14/1994	2/28/1997
administrative order on consent	Federal Enforcement Primary		2/28/1997
notice letters issued	Federal Enforcement		1/27/1997
issue request letters (104e)	Federal Enforcement		1/12/1997
issue request letters (104e)	Federal Enforcement		1/8/1997
notice letters issued	Federal Enforcement		1/6/1997
issue request letters (104e)	Federal Enforcement		11/27/1996
issue request letters (104e)	Federal Enforcement		10/22/1996
issue request letters (104e)	Federal Enforcement		10/3/1996
issue request letters (104e)	Federal Enforcement		10/2/1996
issue request letters (104e)	Federal Enforcement		10/1/1996
issue request letters (104e)	Federal Enforcement		9/17/1996
issue request letters (104e)	Federal Enforcement		8/28/1996

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

NPL

**SEARCH ID:** 1      **DIST/DIR:** 0.25 NE      **ELEVATION:**      **MAP ID:** 65

<b>NAME:</b> CENTRAL CHEMICAL (HAGERSTOWN)	<b>REV:</b> 5/9/12
<b>ADDRESS:</b> 49 NORTH JOHNATHAN ST HAGERSTOWN MD 21742	<b>ID1:</b> MDD003061447
	<b>ID2:</b> 0303260
<b>CONTACT:</b> PAT STAVOLA, ESQ.	<b>STATUS:</b> FINAL
<b>SOURCE:</b> EPA	<b>PHONE:</b> 9106327637

proposal to national priorities list	EPA Fund-Financed		6/17/1996	
expanded site inspection Recommended for HRS Scoring	State, Fund Financed	1/1/1993	7/13/1994	
non-national priorities list potentially responsible party search No PRPs Identified	Primary	Federal Enforcement	3/1/1990	6/10/1992
removal assessment	EPA Fund-Financed Primary	3/3/1992	5/5/1992	
site inspection Higher priority for further assessment	State, Fund Financed	1/9/1990	1/24/1992	
preliminary assessment Higher priority for further assessment	State, Fund Financed		4/21/1989	
discovery	EPA Fund-Financed		12/21/1988	
potentially responsible party remedial design	Responsible Party Primary	2/18/2010		
potentially responsible party remedial investigation/feasibility study	Responsible Party	1/1/2009		
technical assistance	EPA Fund-Financed	4/1/2005		
potentially responsible party remedial investigation/feasibility study	Responsible Party	8/15/1997		

**DESCRIPTION:**

SITE IS A CHEMICAL COMPANY THAT AT ONETIME WAS INVOLVED IN THE MANUFACTURE OF PESTICIDES. SOME OF THIS MATERIAL WAS PLACED IN A DUMP ADJACENT TO THE PLANT.



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 162      **DIST/DIR:** 0.25 SW      **ELEVATION:** 557      **MAP ID:** 66

---

**NAME:** R. E. MICHEL COMPANY, INC.  
**ADDRESS:** 36 WEST LEE ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 19172  
**ID2:** 19172  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 1092  
**OWNER NAME:** R.E. Michel Company, Inc.  
**OWNER ADDRESS:** One R.E. Michel Drive  
Glen Burnie MD 21060  
**OWNER PHONE:** (410) 553-3713  
**CONTACT:** Roberta Hunt

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Temporarily Out Of Use  
**TANK CAPACITY:** 550  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 760-4000

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 163      **DIST/DIR:** 0.25 SW      **ELEVATION:** 557      **MAP ID:** 66

**NAME:** R.E. MICHEL COMPANY, INC.  
**ADDRESS:** 36 WEST LEE ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 6012144  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 550  
**SUBSTANCE:** HEATING OIL

UST

**SEARCH ID:** 172      **DIST/DIR:** 0.25 NE      **ELEVATION:** 589      **MAP ID:** 67

**NAME:** THREE STORY BRICK OFFICE BUILDING  
**ADDRESS:** 49 NORTH JONATHAN  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 10629  
**ID2:** 10629  
**STATUS:** ACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 6541  
**OWNER NAME:** Mr. Russell W. Robinson  
**OWNER ADDRESS:** 117 West Franklin Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 733-6644  
**CONTACT:** Mr. Thomas Wade

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Currently In Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:** (301) 739-4760

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 170      **DIST/DIR:** 0.26 NW      **ELEVATION:** 607      **MAP ID:** 68

**NAME:** ST. MARY CHURCH and SCHOOL 3205  
**ADDRESS:** 224 WEST WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 12426  
**ID2:** 12426  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 620  
**OWNER NAME:** Cardinal William H. Keeler  
**OWNER ADDRESS:** 320 Cathedral Street  
Baltimore MD 21201  
**OWNER PHONE:** (410) 547-5366  
**CONTACT:** Robert W. Clancy

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:**  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Pastor George Limmer  
**OPERATOR PHONE:** (301) 739-7390

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:**  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Pastor George Limmer  
**OPERATOR PHONE:** (301) 739-7390

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 86      **DIST/DIR:** 0.26 NW      **ELEVATION:** 607      **MAP ID:** 68

**NAME:** ST. MARYS SCHOOL  
**ADDRESS:** 218-224 WASHINGTON STREET, W.  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/25/11  
**ID1:** 110001767339  
**ID2:** 2404300113  
**STATUS:** FRS  
**PHONE:**

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-PEMIS  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM ID:** 043-0113

**PROGRAM:** AIRS/AFS  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM ID:** 2404300113

**SIC INFORMATION**

**NIAC INFORMATION**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 85      **DIST/DIR:** 0.26 NW      **ELEVATION:** 607      **MAP ID:** 68

**NAME:** ST MARYS SCH  
**ADDRESS:** 218-224 WASHINGTON ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000795195  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300113, 240430113  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 022605786  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 237      **DIST/DIR:** 0.26 NE      **ELEVATION:** 555      **MAP ID:** 69

**NAME:** ELIZABETH COURT APARTMENTS  
**ADDRESS:** 55 EAST WASHINGTON ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 99-0483WA  
**ID2:** 99-0483WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 8/24/1998  
**DATE CLOSED:** 3/1/1999

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 133      **DIST/DIR:** 0.26 NE      **ELEVATION:** 555      **MAP ID:** 69

---

**NAME:** ELIZABETH COURT APARTMENTS  
**ADDRESS:** 55 EAST WASHINGTON ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6013218  
**ID2:** 1912  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 1303  
**OWNER NAME:** Hagerstown Elderly Associates  
**OWNER ADDRESS:** 55 East Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 791-7599  
**CONTACT:** Julia A. Weaver

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 550  
**SUBSTANCE:** Diesel  
**OPERATOR:** Larry Lushbaugh  
**OPERATOR PHONE:** (301) 791-7599

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 76      **DIST/DIR:** 0.27 NE      **ELEVATION:** 586      **MAP ID:** 70

<b>NAME:</b> ONE HOUR PROFESSIONAL CLNRS	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 55 WEST FRANKLIN ST	<b>ID1:</b> 110003545236
HAGERSTOWN MD 21740	<b>ID2:</b> MDR000014357
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-RCRA	<b>PROGRAM ID:</b> 9955
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	
<b>PROGRAM:</b> RCRAINFO	<b>PROGRAM ID:</b> MDR000014357
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

- 221112 - FOSSIL FUEL ELECTRIC POWER GENERATION \_\_\_\_\_ -
- 5541 - GASOLINE SERVICE STATIONS \_\_\_\_\_ -
- 5541 - GASOLINE SERVICE STATIONS \_\_\_\_\_ -
- 1611 - HIGHWAY AND STREET CONSTRUCTION, EXCEPT ELEVATED HIGHWAYS \_\_\_\_\_ -
- 8211 - ELEMENTARY AND SECONDARY SCHOOLS \_\_\_\_\_ -
- 4911 - ELECTRIC SERVICES \_\_\_\_\_ -
- 4911 - ELECTRIC SERVICES \_\_\_\_\_ -
- 0212 - BEEF CATTLE, EXCEPT FEEDLOTS \_\_\_\_\_ -
- 8211 - ELEMENTARY AND SECONDARY SCHOOLS \_\_\_\_\_ -
- 1611 - HIGHWAY AND STREET CONSTRUCTION, EXCEPT ELEVATED HIGHWAYS \_\_\_\_\_ -
- 0212 - BEEF CATTLE, EXCEPT FEEDLOTS \_\_\_\_\_ -



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 72      **DIST/DIR:** 0.27 NE      **ELEVATION:** 586      **MAP ID:** 70

**NAME:** ONE HOUR MARTINIZING  
**ADDRESS:** 57 FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000795237  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300135, 240430135  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 75      **DIST/DIR:** 0.27 NE      **ELEVATION:** 586      **MAP ID:** 70

**NAME:** ONE HOUR PROFESSIONAL CLNRS  
**ADDRESS:** 55 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0002185171  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDR000014357  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 74      **DIST/DIR:** 0.27 NE      **ELEVATION:** 586      **MAP ID:** 70

<b>NAME:</b> ONE HOUR MARTINIZING	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 57 FRANKLIN ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110038970156 <b>ID2:</b> 2404300135
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300135
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

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**NIAC INFORMATION**

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## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 73      **DIST/DIR:** 0.27 NE      **ELEVATION:** 586      **MAP ID:** 70

<p><b>NAME:</b> ONE HOUR MARTINIZING <b>ADDRESS:</b> 57 FRANKLIN ST HAGERSTOWN MD 21740 WASHINGTON</p> <p><b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> 11/1/06 <b>ID1:</b> 110001261303 <b>ID2:</b> 2404300135 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110001261303
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300135
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	AIRS/AFS
<b>LAST REPORTED:</b>	9/13/2001	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	AIR MINOR - A FACILITY IS CLASSIFIED AS A CLEAN AIR ACT STATIONARY SOURCE MINOR DISCHARGER OF AIR POLLUTANTS IF: (A) POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR; OR (B) MAJOR SOURCE THRESHOLDS ARE NOT DEFINED, OR CLASSIFICATION IS UNKNOWN.		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	A
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	REGULAR URBAN
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	2/4/2006 8:48:47 AM
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	Y
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	N
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	06
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	02070004
<b>EPA REGION:</b>	03
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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<b>SEARCH ID:</b> 73	<b>DIST/DIR:</b> 0.27 NE	<b>ELEVATION:</b> 586	<b>MAP ID:</b> 70
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**NAME:** ONE HOUR MARTINIZING  
**ADDRESS:** 57 FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 11/1/06  
**ID1:** 110001261303  
**ID2:** 2404300135  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 14      **DIST/DIR:** 0.27 NE      **ELEVATION:** 586      **MAP ID:** 70

<b>NAME:</b> ONE HOUR PROFESSIONAL CLNRS	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> 55 WEST FRANKLIN ST HAGERSTOWN MD 21740	<b>ID1:</b> MDR000014357
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> SGN
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**SITE INFORMATION**

**CONTACT INFORMATION:** BILL PRICE  
55 W FRANKLIN ST  
HAGERSTOWN MD 21740

**PHONE:** 3017337288

**OWNER NAME:** PRICE BILL  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:**  
**OPERATOR TYPE:**  
**MAILING ADDRESS:** 55 W FRANKLIN ST  
HAGERSTOWN, MD 21740

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 06/23/1997

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
<b>KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>	P-PRIVATE	<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N

<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 14      **DIST/DIR:** 0.27 NE      **ELEVATION:** 586      **MAP ID:** 70

**NAME:** ONE HOUR PROFESSIONAL CLNRS  
**ADDRESS:** 55 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDR000014357  
**ID2:**  
**STATUS:** SGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

D007 - Chromium

D039 - Tetrachloroethylene

D040 - Trichloroethylene

F002 - The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 319      **DIST/DIR:** 0.27 NW      **ELEVATION:** 616      **MAP ID:** 71

<b>NAME:</b>	WALNUT TOWERS	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	12 SOUTH WALNUT ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	02-0362WA
<b>CONTACT:</b>		<b>ID2:</b>	02-0362WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	9/10/2001
<b>DATE CLOSED:</b>	9/25/2001

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 176      **DIST/DIR:** 0.27 NW      **ELEVATION:** 616      **MAP ID:** 71

<b>NAME:</b> WALNUT TOWERS	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 12 SOUTH WALNUT ST HAGERSTOWN MD 21740	<b>ID1:</b> 3011869
	<b>ID2:</b> 4777
<b>CONTACT:</b>	<b>STATUS:</b> ACTIVE
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	2974
<b>OWNER NAME:</b>	Hagerstown Housing Authority
<b>OWNER ADDRESS:</b>	11 West Baltimore Street Hagerstown MD 21740
<b>OWNER PHONE:</b>	(301) 733-6911
<b>CONTACT:</b>	Michael Stoner

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out Of Use
<b>TANK CAPACITY:</b>	12000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	(301) 733-6916

<b>TANK ID:</b>	2
<b>TANK STATUS:</b>	Currently In Use
<b>TANK CAPACITY:</b>	6000
<b>SUBSTANCE:</b>	Heating Oil
<b>OPERATOR:</b>	
<b>OPERATOR PHONE:</b>	(301) 733-6916

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 95      **DIST/DIR:** 0.27 NW      **ELEVATION:** 616      **MAP ID:** 71

**NAME:** WALNUT STREET, SOUTH 12  
**ADDRESS:** 12 WALNUT STREET, SOUTH  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 10/25/11  
**ID1:** 110001838879  
**ID2:** 2404300351  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** AIRS/AFS      **PROGRAM ID:** 2404300351  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

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**NIAC INFORMATION**

--

FINDS

**SEARCH ID:** 96      **DIST/DIR:** 0.27 NW      **ELEVATION:** 616      **MAP ID:** 71

**NAME:** WALNUT TOWERS  
**ADDRESS:** 12 WALNUT  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 10/25/11  
**ID1:** 110019882787  
**ID2:** 043-0351  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-PEMIS      **PROGRAM ID:** 043-0351  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

--  
**NIAC INFORMATION**

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**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 138      **DIST/DIR:** 0.27 NE      **ELEVATION:** 593      **MAP ID:** 72

---

**NAME:** GRAND PIANO WAREHOUSE  
**ADDRESS:** 25 WEST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 16040  
**ID2:** 16040  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 10483  
**OWNER NAME:** Grand Piano Warehouse  
**OWNER ADDRESS:** 25 West Franklin Street  
Hagerstown MD 21740

**OWNER PHONE:**  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 500  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 252      **DIST/DIR:** 0.27 NE      **ELEVATION:** 593      **MAP ID:** 72

**NAME:** GRAND PIANO WAREHOUSE  
**ADDRESS:** 25 WEST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 05-0043WA  
**ID2:** 05-0043WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 7/13/2004  
**DATE CLOSED:** 3/27/2006

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 159      **DIST/DIR:** 0.27 SW      **ELEVATION:** 562      **MAP ID:** 73

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**NAME:** PARK CIRCLE SERVICE CENTER  
**ADDRESS:** 319 SUMMIT AVE  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3012024  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 2000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 002  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 4000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 003  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 2000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 004  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 3000  
**SUBSTANCE:** GASOLINE

**TANK ID:** 005  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 3000  
**SUBSTANCE:** GASOLINE

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 160      **DIST/DIR:** 0.27 SW      **ELEVATION:** 562      **MAP ID:** 73

<b>NAME:</b> PARK CIRCLE SERVICE CENTER	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 319 SUMMIT AVE	<b>ID1:</b> 15522
HAGERSTOWN MD 21740	<b>ID2:</b> 15522
WASHINGTON	<b>STATUS:</b> INACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**OWNER INFORMATION**

**OWNER ID NUMBER:** 10016  
**OWNER NAME:** Jeffery L. Lynn  
**OWNER ADDRESS:** 319 Summit Avenue  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 797-5500  
**CONTACT:**

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Jeffery L. Lynn  
**OPERATOR PHONE:** (301) 797-5500

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 4000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Jeffery L. Lynn  
**OPERATOR PHONE:** (301) 797-5500

**TANK ID:** 3  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Jeffery L. Lynn  
**OPERATOR PHONE:** (301) 797-5500

**TANK ID:** 4  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 3000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Jeffery L. Lynn  
**OPERATOR PHONE:** (301) 797-5500

**TANK ID:** 5  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 3000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Jeffery L. Lynn  
**OPERATOR PHONE:** (301) 797-5500

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 47      **DIST/DIR:** 0.28 SW      **ELEVATION:** 556      **MAP ID:** 74

**NAME:** HAGERSTOWN LIGHT and HEAT CO  
**ADDRESS:** SOUTH LOCUST ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD981115181  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS : MDD981115181  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

NFRAP

**SEARCH ID:** 2      **DIST/DIR:** 0.28 SW      **ELEVATION:** 556      **MAP ID:** 74

<p><b>NAME:</b> HAGERSTOWN - AMERICAN LIGHT and HEAT CO <b>ADDRESS:</b> SPRUCE ST HAGERSTOWN MD 21740</p> <p><b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 4/30/12 <b>ID1:</b> MDD981108574 <b>ID2:</b> 0300369 <b>STATUS:</b> NFRAP-N <b>PHONE:</b></p>
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<b>DESCRIPTION:</b>			
SURVEY OF TAR DISPOSAL LOCATIONS OF TOWN GAS PRODUCERS			
<b>ACTION/QUALITY</b>	<b>AGENCY/RPS</b>	<b>START/RAA</b>	<b>END</b>
ARCHIVE SITE	EPA In-House		12/31/2003
COMFORT/STATUS LETTER	Federal Enforcement		8/2/1999
SITE REASSESSMENT LOW PRIORITY FOR FURTHER ASSESSMENT	EPA In-House	19-98-6/1/	8/2/1999
DISCOVERY	EPA Fund-Financed		1/13/1986
EXPANDED SITE INSPECTION NFRAP: NO FURTHER REMEDIAL ACTION PLANNED	State, Fund Financed	/2-02-5/29	12/31/2003
PRELIMINARY ASSESSMENT LOW PRIORITY FOR FURTHER ASSESSMENT	State, Fund Financed	/1-86-6/30	6/30/1986
SITE INSPECTION LOW PRIORITY FOR FURTHER ASSESSMENT	EPA Fund-Financed		8/14/1991
SITE INSPECTION NFRAP: NO FURTHER REMEDIAL ACTION PLANNED	EPA Fund-Financed	/1-96-1/22	2/6/1996



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

NFRAP

**SEARCH ID:** 3      **DIST/DIR:** 0.28 SW      **ELEVATION:** 556      **MAP ID:** 74

**NAME:** HAGERSTOWN LIGHT and HEAT CO  
**ADDRESS:** SOUTH LOCUST ST  
HAGERSTOWN MD 21740

**REV:** 4/30/12  
**ID1:** MDD981115181  
**ID2:** 0300401  
**STATUS:** NFRAP-N  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**DESCRIPTION:**  
(MD246)

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		12/1/1986
DISCOVERY	EPA Fund-Financed		7/7/1986
PRELIMINARY ASSESSMENT	State, Fund Financed		12/1/1986

NFRAP: NO FURTHER REMEDIAL ACTION PLANNED

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 107      **DIST/DIR:** 0.28 SW      **ELEVATION:** 556      **MAP ID:** 74

**NAME:** HAGERSTOWN LIGHT AND HEAT - LOCUST ST.  
**ADDRESS:** SOUTH LOCUST ST  
HAGERSTOWN MD 21740

**REV:** 01/01/12  
**ID1:** 246  
**ID2:**  
**STATUS:** STATE MASTER LIST  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** STATE MASTER LIST

**FACT SHEET LINK:**

<http://www.mde.state.md.us/programs/Land/MarylandBrownfieldVCP/mapping/Documents/Hagerstown%20Light%20and%20Heat%20Locust%20Street%20Plant.pdf>

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 106      **DIST/DIR:** 0.28 SW      **ELEVATION:** 556      **MAP ID:** 74

**NAME:** HAGERSTOWN AMERICAN LIGHT AND HEAT CO.  
**ADDRESS:** SPRUCE ST  
HAGERSTOWN MD 21740

**REV:** 01/01/12  
**ID1:** 194  
**ID2:**  
**STATUS:** STATE MASTER LIST  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** STATE MASTER LIST

**FACT SHEET LINK:** <http://www.mde.state.md.us/assets/document/brownfields/hagerstown.pdf>

**ASSESSMENT ONGOING:** Yes

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** Yes

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** Yes

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** Yes

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 139      **DIST/DIR:** 0.28 NW      **ELEVATION:** 590      **MAP ID:** 75

---

**NAME:** GREENWALD RENTALS  
**ADDRESS:** 29 NORTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 3011996  
**ID2:** 11271  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 6935  
**OWNER NAME:** Greenwald Rentals  
**OWNER ADDRESS:** 29 N. Prospect St  
Hagerstown MD 21740  
**OWNER PHONE:** (201) 733-1371  
**CONTACT:** Cynthia Nutzman

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Cynthia Nutzman  
**OPERATOR PHONE:** (301) 733-1371

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 257      **DIST/DIR:** 0.28 NW      **ELEVATION:** 590      **MAP ID:** 75

**NAME:** HAGERSTOWN NEWS DIST.(BOOK and THINGS)  
**ADDRESS:** 29 NORTH PROSPECT ST  
HAGERSTOWN MD 21742  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 95-0624WA  
**ID2:** 95-0624WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/1/1994

**DATE CLOSED:** 9/9/1994

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

UST

**SEARCH ID:** 167      **DIST/DIR:** 0.28 NE      **ELEVATION:** 588      **MAP ID:** 76

**NAME:** SEVEN-UP BOTTLING CO., INC.  
**ADDRESS:** 30 NORTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 3012203  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 500  
**SUBSTANCE:** GASOLINE

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 168      **DIST/DIR:** 0.28 NE      **ELEVATION:** 588      **MAP ID:** 76

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**NAME:** SEVEN-UP BOTTLING CO., INC.  
**ADDRESS:** 30 NORTH PROSPECT ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 17811  
**ID2:** 17811  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 7013  
**OWNER NAME:** Seven-Up Bottling Co. Inc.  
**OWNER ADDRESS:** 758 Bowman Avenue  
Hagerstown MD 21740  
**OWNER PHONE:** (410) 739-5320  
**CONTACT:** Larry Kreit

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 500  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Larry Kreit  
**OPERATOR PHONE:** (301) 739-5320

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

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**SEARCH ID:** 278      **DIST/DIR:** 0.28 SW      **ELEVATION:** 568      **MAP ID:** 77

---

**NAME:** PARK CIRCLE RESTAURANT  
**ADDRESS:** SUMMIT AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 91-2038WA  
**ID2:** 91-2038WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 4/25/1991  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 44      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

<p><b>NAME:</b> HAGERSTOWN LAUNDRY <b>ADDRESS:</b> 137 WEST FRANKLIN ST HAGERSTOWN MD 21740 WASHINGTON</p> <p><b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> 7/11/07 <b>ID1:</b> 110029288768 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110029288768
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/25/2007 6:27:24 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NJ-NJEMS
<b>LAST REPORTED:</b>	4/25/2007 6:27:24 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NJ-NJEMS	<b>PROGRAM ID:</b>	290498
<b>PROVIDED BY:</b>	STATE AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NJEMS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	4/25/2007 6:27:24 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	STATE MASTER -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** A  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/25/2007 6:27:24 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** N  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 147      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

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**NAME:** HAGERSTOWN LAUNDRY, INC.  
**ADDRESS:** 137 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 6013242  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 550  
**SUBSTANCE:** OTHER

**TANK ID:** 002  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 550  
**SUBSTANCE:** GASOLINE

**TANK ID:** 003  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 10000  
**SUBSTANCE:** HEATING OIL

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 43      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

<b>NAME:</b> HAGERSTOWN LAUNDRY	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 137 FRANKLIN STREET, WEST	<b>ID1:</b> 110001768971
HAGERSTOWN MD 21740	<b>ID2:</b> 2404300139
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-RCRA	<b>PROGRAM ID:</b> 8211
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	
<b>PROGRAM:</b> AIRS/AFS	<b>PROGRAM ID:</b> 2404300139
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	
<b>PROGRAM:</b> RCRAINFO	<b>PROGRAM ID:</b> MDD985421155
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

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**NIAC INFORMATION**

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**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 45      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

**NAME:** HAGERSTOWN LAUNDRY INC  
**ADDRESS:** 137 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD985421155  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300139, 240430139  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 46      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

**NAME:** HAGERSTOWN LAUNDRY INC  
**ADDRESS:** 137 WEST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 11/1/06  
**ID1:** 110022390349  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:**

**FACILITY REGISTRATION INFORMATION:**

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** A  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 6/21/2005 9:28:02 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:**  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 146      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

**NAME:** HAGERSTOWN LAUNDRY, INC.  
**ADDRESS:** 137 WEST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 12756  
**ID2:** 12756  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 8014  
**OWNER NAME:** Hagerstown Laundry, Inc.  
**OWNER ADDRESS:** 137 W. Franklin Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-2550  
**CONTACT:** Jim Tirpole

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 550  
**SUBSTANCE:** Other  
**OPERATOR:** Jim Tirpole  
**OPERATOR PHONE:** (301) 739-2550

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 550  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Jim Tirpole  
**OPERATOR PHONE:** (301) 739-2550

**TANK ID:** 3  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 10000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Jim Tirpole  
**OPERATOR PHONE:** (301) 739-2550

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### RCRAGN

**SEARCH ID:** 10      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

<p><b>NAME:</b> HAGERSTOWN LAUNDRY INC <b>ADDRESS:</b> 137 WEST FRANKLIN ST HAGERSTONW MD 21740</p> <p><b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 1/10/12 <b>ID1:</b> MDD985421155 <b>ID2:</b> <b>STATUS:</b> VGN <b>PHONE:</b></p>
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**SITE INFORMATION**

**CONTACT INFORMATION:** JAMES TIRPOK  
137 W FRANKLIN ST  
HAGERSTONW MD 21740

**PHONE:** 3017392550

**OWNER NAME:** HARRY P RIDENOUR JR  
**OWNER TYPE:** P-PRIVATE  
**OPERATOR:**  
**OPERATOR TYPE:**  
**MAILING ADDRESS:** 137 W FRANKLIN ST  
HAGERSTONW, MD 21740

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 03/17/1993

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS:
<b>GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>		<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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**SEARCH ID:** 10      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

---

**NAME:** HAGERSTOWN LAUNDRY INC  
**ADDRESS:** 137 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 1/10/12  
**ID1:** MDD985421155  
**ID2:**  
**STATUS:** VGN  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

---

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

F002 - The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**LUST**

**SEARCH ID:** 256      **DIST/DIR:** 0.29 NE      **ELEVATION:** 587      **MAP ID:** 78

**NAME:** HAGERSTOWN LAUNDRY/DRY CLEANING CO  
**ADDRESS:** 137 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 94-1144WA  
**ID2:** 94-1144WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 10/4/1993  
**DATE CLOSED:** 2/7/2001

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**FINDS**

**SEARCH ID:** 49      **DIST/DIR:** 0.29 NE      **ELEVATION:** 588      **MAP ID:** 79

**NAME:** HAGERSTOWN POST OFFICE  
**ADDRESS:** 44 FRANKLIN STREET, WEST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 10/25/11  
**ID1:** 110001767366  
**ID2:** 2404300125  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** AIRS/AFS      **PROGRAM ID:** 2404300125  
**FEDERAL FACILITY:** Yes  
**TRIBAL LAND:**

**SIC INFORMATION**

**NIAC INFORMATION**



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 48      **DIST/DIR:** 0.29 NE      **ELEVATION:** 588      **MAP ID:** 79

**NAME:** HAGERSTOWN POST OFFICE  
**ADDRESS:** 44 FRANKLIN STREET, WEST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000723692  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300125, 240430125  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 053937447  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

---

**SEARCH ID:** 121      **DIST/DIR:** 0.29 NE      **ELEVATION:** 594      **MAP ID:** 80

---

**NAME:** BUS TRANSFER STATION      **REV:** 02/01/12  
**ADDRESS:** 123 W FRANKLIN ST      **ID1:** 20028  
HAGERSTOWN MD 21740      **ID2:** 20028  
WASHINGTON      **STATUS:** INACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

---

**OWNER INFORMATION**

**OWNER ID NUMBER:** 235  
**OWNER NAME:** Board of County Commissioners of Washington County  
**OWNER ADDRESS:** 100 W. Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (240) 313-2300  
**CONTACT:** Edwin Plank

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 300  
**SUBSTANCE:** Unknown  
**OPERATOR:**  
**OPERATOR PHONE:** (240) 313-2420

**TANK ID:** 2  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 550  
**SUBSTANCE:** Unknown  
**OPERATOR:**  
**OPERATOR PHONE:** (240) 313-2420

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 248      **DIST/DIR:** 0.29 NE      **ELEVATION:** 594      **MAP ID:** 80

**NAME:** FUTURE TRANSPORT/TRANSFER CENTER      **REV:** 02/01/12  
**ADDRESS:** 123 W FRANKLIN ST      **ID1:** 11-0159WA  
HAGERSTOWN MD 21740      **ID2:** 11-0159WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 9/10/2010  
**DATE CLOSED:** 1/4/2011

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 216      **DIST/DIR:** 0.29 NE      **ELEVATION:** 586      **MAP ID:** 81

**NAME:** CITY OF HAGERSTOWN      **REV:** 02/01/12  
**ADDRESS:** CITY HALL      **ID1:** 91-1152WA  
HAGERSTOWN MD 21740      **ID2:** 91-1152WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/10/1990  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 327      **DIST/DIR:** 0.29 SE      **ELEVATION:** 576      **MAP ID:** 82

<b>NAME:</b>	WILES RESIDENCE	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	23 EAST LEE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	98-1298WA
<b>CONTACT:</b>		<b>ID2:</b>	98-1298WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	A-AST/SPILLS/INSPECTIONS
<b>CODE DESCRIPTION:</b>	A-5-Aboveground Tank Leak - Motor/Lube Oil
<b>DATE OPEN:</b>	12/29/1997
<b>DATE CLOSED:</b>	12/29/1997

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 50      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

<p><b>NAME:</b> HAGERSTOWN SHOE <b>ADDRESS:</b> 148 FRANKLIN STREET, WEST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110001312393 <b>ID2:</b> MDB000305691 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-RCRA	<b>PROGRAM ID:</b>	2136
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0007
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	MDD003061322
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	TBA	<b>PROGRAM ID:</b>	MDB000305691
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

044711 \_\_\_\_\_ -  
 044719 \_\_\_\_\_ -  
 212312 - CRUSHED AND BROKEN LIMESTONE MINING AND QUARRYING \_\_\_\_\_ -  
 7532 - TOP, BODY, AND UPHOLSTERY REPAIR SHOPS AND PAINT SHOPS \_\_\_\_\_ -  
 1422 - CRUSHED AND BROKEN LIMESTONE \_\_\_\_\_ -  
 7531 \_\_\_\_\_ -  
 5541 - GASOLINE SERVICE STATIONS \_\_\_\_\_ -  
 4941 - WATER SUPPLY \_\_\_\_\_ -  
 4922 - NATURAL GAS TRANSMISSION \_\_\_\_\_ -  
 2452 - PREFABRICATED WOOD BUILDINGS AND COMPONENTS \_\_\_\_\_

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 51      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

**NAME:** HAGERSTOWN SHOE COMPANY  
**ADDRESS:** 148 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD003061322  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDD003061322  
PCS :  
AFS/AIRS : 240430007, 240430007  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 008965410  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 52      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

**NAME:** HAGERSTOWN SHOE COMPANY  
**ADDRESS:** 148 WEST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 11/1/06  
**ID1:** 110022380859  
**ID2:**  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:**

**FACILITY REGISTRATION INFORMATION:**

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** A  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 6/21/2005 8:49:10 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:**  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 41      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

<b>NAME:</b> HAGERS SHOE COMPANY	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 148 W FRANKLIN ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 110038742055 <b>ID2:</b> 10191
<b>CONTACT:</b>	<b>STATUS:</b> FRS
<b>SOURCE:</b> EPA	<b>PHONE:</b>

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	ACRES	<b>PROGRAM ID:</b>	10191
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

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**NIAC INFORMATION**

--

**RCRAGN**

**SEARCH ID:** 11      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

<b>NAME:</b> HAGERSTOWN SHOE COMPANY	<b>REV:</b> 7/8/03
<b>ADDRESS:</b> 148 WEST FRANKLIN ST HAGERSTOWN MD 21740	<b>ID1:</b> MDD003061322
<b>CONTACT:</b> REIN KIIMA	<b>ID2:</b>
<b>SOURCE:</b> EPA	<b>STATUS:</b> TR
	<b>PHONE:</b> 3017391664

DETAILS NOT AVAILABLE



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 338      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

**NAME:** HAGERS SHOE COMPANY  
**ADDRESS:** 148 WEST W. FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 10000003-10191  
**ID2:** 10191  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

Y= YES    N=NO    U=UNKNOWN

**GRANT RECIPIENT:** R3 BROWNFIELDS TBA (PREVIOUSLY SUPERFUND TBA)  
**TYPE OF GRANT:** TBA  
**TYPE OF FUNDING:** H  
**ACRES PROPERTY ID:** 10191  
**PROPERTY SIZE (ACRES):** 1  
**LOCAL PROPERTY NUMBER:**  
**OWNERSHIP ENTITTY:**  
**CURRENT OWNER:**  
**DID OWNERSHIP CHANGE:**  
**SUPERFUND LANDOWNER LIABILITY CHANGE:**  
**PAST USE GREENSPACE (ACRES):**  
**PAST USE RESIDENTIAL(ACRES):**  
**PAST USE COMMERCIAL (ACRES):**  
**PAST USE INDUSTRIAL (ACRES):**

**CONTAMINATION FOUND**

**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**CONTAMINATION CLEANED UP:**

**CLEANUP REQUIRED:**  
**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**MEDIA AFFECTED**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**  
**NO MEDIA:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**  
**UNKNOWN:**

**MEDIA CLEANED:**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**

**STATE OR TRIBAL PROGRAM:**  
**NFA/CLEANUP COMPL ISSUED:**

**STATE/TRIBAL ID:**  
**DATE ENROLLED IN PROG:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 338      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

**NAME:** HAGERS SHOE COMPANY  
**ADDRESS:** 148 WEST W. FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 10000003-10191  
**ID2:** 10191  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**INSTITUTIONAL CONTROL INFORMATION (IC)**

**IC REQUIRED:**  
**INFORMATIONAL DEVICES:**  
**ENFORCEMENT/PERMIT TOOLS:**  
**DATE IC IN PLACE:**

**PROPERTY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**IC IN PLACE:** U

**CLEANUP START DATE:**  
**ACRES CLEANED UP:**  
**PROVIDING CLEANUP FUNDS:**  
**REDEVELOP START:**

**CLEANUP COMPLETION:**  
**CLEANUP FUNDING SOURCE:**  
**AMOUNT OF FUNDING:**

**FUTURE USE (acres)**

**GREEN SPACE:**  
**COMMERCIAL:**

**RESIDENTIAL:**  
**INDUSTRIAL:**

**PROPERTY HIGHLIGHTS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 337      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

<b>NAME:</b> HAGERS SHOE COMPANY	<b>REV:</b> 10/1/08
<b>ADDRESS:</b> 148 WEST FRANKLIN ST HAGERSTOWN MD 21740	<b>ID1:</b> 10000003-50
	<b>ID2:</b> 10191
	<b>STATUS:</b> EPA BROWNFIELD
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**SITE INFORMATION:**

**RECIPIENT NAME:** R3 TBA (SUPERFUND FUNDED)  
**GRANT PROJ NAME:** R3 TBA (SUPERFUND FUNDED)  
**CURRENT USE:**  
**FUTURE USE:**  
**PAST USAGE TYPE:**  
**FUTURE USAGE TYPE:**  
**START DATE:** 9/19/2001  
**COMPLETION DATE:** 9/19/2001  
**CLEANUP REQUIRED:**  
**ACCOMP TYPE:** PHASE II ENVIRONMENTAL ASSESSMENT  
**ACCOMP AMOUNT(ACRES):**

**PROPERTY ID:** 10191      **PROPRETY SIZE:** 1  
**PARCEL NUMBER:**  
**CURRENT OWNER:**      **OWNER ENTITY:**

**CONTAMINATION FOUND**

<b>PETROLEUM PROD:</b>	<b>CONTROLLED SUB:</b>
<b>ASBESTOS:</b>	<b>PCBS:</b>
<b>VOCS:</b>	<b>LEAD:</b>
<b>OTHER METALS:</b>	<b>PAHS:</b>
<b>OTHER:</b>	<b>NONE:</b>
<b>UNKNOWN:</b>	

**MEDIA FOUND**

<b>SOIL:</b>	<b>AIR:</b>
<b>SURFACE WATER:</b>	<b>GROUND WATER:</b>
<b>DRINKING WATER:</b>	<b>SEDIMENTS:</b>

**CONTAMINANTS CLEANED UP**

<b>PETROLEUM:</b>	<b>CONTROLLED SUB:</b>
<b>ASBESTOS:</b>	<b>PCB:</b>
<b>VOC:</b>	<b>LEAD:</b>
<b>OTHER METAL:</b>	<b>PAHS:</b>
<b>OTHER:</b>	<b>UNKNOWN:</b>
<b>NONE:</b>	

**MEDIA CLEANED UP**

<b>SOIL:</b>	<b>AIR:</b>
<b>SURFACE WATER:</b>	<b>GROUND WATER:</b>
<b>DRINKING WATER:</b>	<b>SEDIMENTS:</b>
<b>UNKNOWN:</b>	<b>NONE:</b>

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

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**SEARCH ID:** 337      **DIST/DIR:** 0.30 NE      **ELEVATION:** 581      **MAP ID:** 83

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**NAME:** HAGERS SHOE COMPANY  
**ADDRESS:** 148 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 10/1/08  
**ID1:** 10000003-50  
**ID2:** 10191  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**STATE/TRIBAL PROG ID:**  
**STATE/TRIBE PROG ENROLL:**  
**NOT ENROLLED:**  
**NFA ISSUE DATE:**  
**IC REQUIRED:**  
**IC IN PLACE:** U  
**IC IN PLACE DATE:**  
**PROPRIETARY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**ENFORCE PERM TOOLS:**  
**INFORM DEVICES:**  
**IC DATA ADDRESS:**  
**PHOTO AVAIL:**  
**VIDEO AVAIL:**

**PROPERTY DESC/ FORMER USE:**  
was operated at this site until the mid-1980s.

Hagers Shoe started producing shoes and hosiery in 1914. The factory

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 56      **DIST/DIR:** 0.30 SE      **ELEVATION:** 573      **MAP ID:** 84

<b>NAME:</b> HAWKBAKERS COLLISION	<b>REV:</b> 7/11/07
<b>ADDRESS:</b> 121 BESTER ST	<b>ID1:</b> 110029284548
HAGERSTOWN MD 21740	<b>ID2:</b>
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	NJ-NJEMS	<b>PROGRAM ID:</b>	291155
<b>PROVIDED BY:</b>	STATE AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NJEMS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	4/25/2007 6:13:14 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	STATE MASTER -		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110029284548
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/25/2007 6:13:14 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NJ-NJEMS
<b>LAST REPORTED:</b>	4/25/2007 6:13:14 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** A  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/25/2007 6:13:14 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** N  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 148      **DIST/DIR:** 0.30 NE      **ELEVATION:** 587      **MAP ID:** 85

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**NAME:** HAGERSTOWN POST OFFICE  
**ADDRESS:** 44 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 3894  
**ID2:** 3894  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 2391  
**OWNER NAME:** United States Post Office-DC Metro Facilities  
**OWNER ADDRESS:** 10400 Little Patuxent Pkwy.  
Columbia MD 21044  
**OWNER PHONE:** (410) 884-1823  
**CONTACT:** Gardner D. Jones, III

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Diesel  
**OPERATOR:** Tony Henson  
**OPERATOR PHONE:** (301) 797-8100

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**LUST**

**SEARCH ID:** 313      **DIST/DIR:** 0.30 NE      **ELEVATION:** 587      **MAP ID:** 85

**NAME:** U.S. POST OFFICE/HAGERSTOWN MAIN BRANCH  
**ADDRESS:** 44 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 98-0514WA  
**ID2:** 98-0514WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 8/3/1997  
**DATE CLOSED:** 1/27/1998

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**FINDS**

**SEARCH ID:** 24      **DIST/DIR:** 0.32 SW      **ELEVATION:** 557      **MAP ID:** 86

**NAME:** COLUMBIA GAS OF MARYLAND INCORPORATED  
**ADDRESS:** 55 SYCAMORE ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 10/25/11  
**ID1:** 110003540473  
**ID2:** 9057  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-RCRA      **PROGRAM ID:** 9057  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

**NIAC INFORMATION**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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**SEARCH ID:** 5      **DIST/DIR:** 0.32 SW      **ELEVATION:** 557      **MAP ID:** 86

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**NAME:** COLUMBIA GAS OF MARYLAND INC  
**ADDRESS:** 55 SYCAMORE ST  
HAGERSTOWN MD 21740

**REV:** 12/10/05  
**ID1:** MDR000004655  
**ID2:**  
**STATUS:** SGN  
**PHONE:** 6144606000

**CONTACT:** RICHARD JAMES  
**SOURCE:** EPA

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**SITE INFORMATION**

**UNIVERSE INFORMATION:**

**NAIC INFORMATION**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

Benzene  
Ignitable waste  
Mercury  
Methyl ethyl ketone



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 25      **DIST/DIR:** 0.32 SW      **ELEVATION:** 557      **MAP ID:** 86

**NAME:** COLUMBIA GAS OF MD INC  
**ADDRESS:** 55 SYCAMORE ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0001205525  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MDR000004655  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 23      **DIST/DIR:** 0.32 NE      **ELEVATION:** 577      **MAP ID:** 87

**NAME:** CITY OF HAGERSTOWN MS4  
**ADDRESS:** 1 EAST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 10/25/11  
**ID1:** 110019905049  
**ID2:** 9357  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** MD-EPSC      **PROGRAM ID:** 9357  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

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**NIAC INFORMATION**

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**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 124      **DIST/DIR:** 0.32 NE      **ELEVATION:** 577      **MAP ID:** 87

**NAME:** CITY HALL  
**ADDRESS:** 1 EAST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 19294  
**ID2:** 19294  
**STATUS:** ACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 5572  
**OWNER NAME:** City of Hagerstown  
**OWNER ADDRESS:** Public Works Department 51 W. Memorial Blvd.  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 739-8577  
**CONTACT:** Eric Deike

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out Of Use  
**TANK CAPACITY:** 12000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Eric B. Deike  
**OPERATOR PHONE:** (301) 739-8577

**TANK ID:** 2  
**TANK STATUS:** Currently In Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Eric B. Deike  
**OPERATOR PHONE:** (301) 739-8577

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### UST

**SEARCH ID:** 145      **DIST/DIR:** 0.32 NE      **ELEVATION:** 577      **MAP ID:** 87

**NAME:** HAGERSTOWN CITY HALL  
**ADDRESS:** 1 EAST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 6/5/1998  
**ID1:** 6012120  
**ID2:**  
**STATUS:** HISTORICAL  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**HISTORICAL MARYLAND UST**

This UST record was obtained from the MDE prior to 2001, which was when the MDE updated their previous UST list and changed their facility id system. The facility id number and data is not current.

**TANK ID:** 001  
**TANK STATUS:** HISTORICAL  
**TANK CAPACITY(GALLONS):** 12000  
**SUBSTANCE:** HEATING OIL

### FINDS

**SEARCH ID:** 55      **DIST/DIR:** 0.32 SE      **ELEVATION:** 560      **MAP ID:** 88

**NAME:** HAWBAKERS COLLISION SHOP  
**ADDRESS:** 121 BESTER ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 10/25/11  
**ID1:** 110001826089  
**ID2:** 1355  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**FACILITY REGISTRATION INFORMATION:**

**PROGRAM:** RCRAINFO      **PROGRAM ID:** MD0000147165  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**PROGRAM:** MD-RCRA      **PROGRAM ID:** 1355  
**FEDERAL FACILITY:**  
**TRIBAL LAND:**

**SIC INFORMATION**

**NIAC INFORMATION**

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**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 54      **DIST/DIR:** 0.32 SE      **ELEVATION:** 560      **MAP ID:** 88

**NAME:** HAWBAKERS COLLISION SHOP  
**ADDRESS:** 121 BESTER ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0000147165  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS : MD0000147165  
PCS :  
AFS/AIRS : 2404300256, 240430256  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 093962207  
UNKNOWN :

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### LUST

**SEARCH ID:** 222      **DIST/DIR:** 0.32 SE      **ELEVATION:** 560      **MAP ID:** 88

<p><b>NAME:</b> COMM. PROPERTY <b>ADDRESS:</b> 121 BESTER ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 02/01/12 <b>ID1:</b> 93-1173WA <b>ID2:</b> 93-1173WA <b>STATUS:</b> CLOSED <b>PHONE:</b></p>
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**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/15/1992  
**DATE CLOSED:** 12/15/1992

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

### FINDS

**SEARCH ID:** 89      **DIST/DIR:** 0.32 SE      **ELEVATION:** 560      **MAP ID:** 89

<p><b>NAME:</b> TRI-STATE PRINTING <b>ADDRESS:</b> 120 BESTER ST HAGERSTOWN MD 21740 <b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> <b>ID1:</b> MDD985372721 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b></p>
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RCRIS :  
PCS :  
AFS/AIRS : 2404330060  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB : 044977940  
UNKNOWN :

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 88      **DIST/DIR:** 0.32 SE      **ELEVATION:** 560      **MAP ID:** 89

<b>NAME:</b> TRI STATE PRINTING	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 120 BESTER ST	<b>ID1:</b> 110002375064
HAGERSTOWN MD 21740	<b>ID2:</b> 2404300362
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-PEMIS	<b>PROGRAM ID:</b> 043-0362
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

<b>PROGRAM:</b> AIRS/AFS	<b>PROGRAM ID:</b> 2404300362
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

**NIAC INFORMATION**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 116      **DIST/DIR:** 0.32 NE      **ELEVATION:** 565      **MAP ID:** 90

---

**NAME:** ANDERSON CLEANERS  
**ADDRESS:** 104 108 EAST WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 9260  
**ID2:** 9260  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 5604  
**OWNER NAME:** David E. Roy  
**OWNER ADDRESS:** P.o. Box 142  
Bar Mills ME 04004  
**OWNER PHONE:** (207) 929-3197  
**CONTACT:** David E. Roy

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 500  
**SUBSTANCE:** Other  
**OPERATOR:** David Roy  
**OPERATOR PHONE:**



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 188      **DIST/DIR:** 0.32 NE      **ELEVATION:** 565      **MAP ID:** 90

<b>NAME:</b> ANDERSON CLEANERS	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 104-108 EAST WASHINGTON ST HAGERSTOWN MD WASHINGTON	<b>ID1:</b> 99-1795WA
	<b>ID2:</b> 99-1795WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	1/25/1999
<b>DATE CLOSED:</b>	2/3/1999

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

---

**SEARCH ID:** 122      **DIST/DIR:** 0.32 NE      **ELEVATION:** 597      **MAP ID:** 91

---

**NAME:** CHRIST S REFORMED CHURCH  
**ADDRESS:** 130 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6012083  
**ID2:** 624  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 476  
**OWNER NAME:** Christ s Reformed Church  
**OWNER ADDRESS:** 130 W. Franklin Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 733-4144  
**CONTACT:** Wayne B. Winebrenner

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Wayne Winebrenner  
**OPERATOR PHONE:** (301) 733-4144

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 2000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Wayne Winebrenner  
**OPERATOR PHONE:** (301) 733-4144

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 214      **DIST/DIR:** 0.32 NE      **ELEVATION:** 597      **MAP ID:** 91

**NAME:** CHRIST REFORMED CHURCH  
**ADDRESS:** 130 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 03-2040WA  
**ID2:** 03-2040WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 6/25/2003  
**DATE CLOSED:** 5/25/2004

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 213      **DIST/DIR:** 0.32 NE      **ELEVATION:** 597      **MAP ID:** 91

**NAME:** CHRIST REFORM CHURCH  
**ADDRESS:** 130 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 00-1984WA  
**ID2:** 00-1984WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 6/1/2000  
**DATE CLOSED:** 4/11/2003

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 123      **DIST/DIR:** 0.32 NE      **ELEVATION:** 597      **MAP ID:** 91

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**NAME:** CHRIST S REFORMED CHURCH  
**ADDRESS:** 148 WEST FRANKLIN ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 6013194  
**ID2:** 12085  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 476  
**OWNER NAME:** Christ s Reformed Church  
**OWNER ADDRESS:** 130 W. Franklin Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 733-4144  
**CONTACT:** Wayne B. Winebrenner

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 20000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Wayne Winebrenner  
**OPERATOR PHONE:** (301) 733-4144

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 236      **DIST/DIR:** 0.32 NW      **ELEVATION:** 609      **MAP ID:** 92

**NAME:** EDDIE S TIRE CENTER (FIRESTONE)  
**ADDRESS:** 35 NORTH WALNUT ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 94-2197WA  
**ID2:** 94-2197WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 2/22/1994

**DATE CLOSED:** 2/22/1994

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

**SEARCH ID:** 132      **DIST/DIR:** 0.32 NW      **ELEVATION:** 609      **MAP ID:** 92

**NAME:** EDDIES TIRE SERVICE  
**ADDRESS:** 35 NORTH WALNUT ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 3011818  
**ID2:** 9972  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 6093  
**OWNER NAME:** Bridgestone/Firestone, Inc.  
**OWNER ADDRESS:** 2550 W. Golf Road  
Rolling Meadows IL 60008  
**OWNER PHONE:** (216) 379-3737  
**CONTACT:** Ms. Kathleen A. Scheutzow

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Mike Barrett  
**OPERATOR PHONE:** (216) 379-3737

**TANK ID:** 2  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Gasoline  
**OPERATOR:** Mike Barrett  
**OPERATOR PHONE:** (216) 379-3737

**TANK ID:** 3  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 280  
**SUBSTANCE:** Used Oil  
**OPERATOR:** Mike Barrett  
**OPERATOR PHONE:** (216) 379-3737

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 326      **DIST/DIR:** 0.32 NE      **ELEVATION:** 568      **MAP ID:** 93

**NAME:** WASHINGTON STREET APARTMENTS  
**ADDRESS:** 101 EAST WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 06-0498WA  
**ID2:** 06-0498WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 12/8/2005  
**DATE CLOSED:** 3/27/2006

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 179      **DIST/DIR:** 0.32 NE      **ELEVATION:** 568      **MAP ID:** 93

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**NAME:** WASHINGTON STREET APARTMENTS  
**ADDRESS:** 101 EAST WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 16122  
**ID2:** 16122  
**STATUS:** INACTIVE  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**OWNER INFORMATION**

**OWNER ID NUMBER:** 10609  
**OWNER NAME:** Demcore Development  
**OWNER ADDRESS:** 6 West Washington Street  
Hagerstown MD 21740  
**OWNER PHONE:** (703) 726-8030  
**CONTACT:** Julia Evans

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 6000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:**  
**OPERATOR PHONE:**



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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**SEARCH ID:** 158      **DIST/DIR:** 0.33 NW      **ELEVATION:** 597      **MAP ID:** 94

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**NAME:** OFF THE DEEP END      **REV:** 02/01/12  
**ADDRESS:** 339 WEST ANTIETAM ST      **ID1:** 15153  
HAGERSTOWN MD 21740      **ID2:** 15153  
WASHINGTON      **STATUS:** INACTIVE  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

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**OWNER INFORMATION**

**OWNER ID NUMBER:** 9732  
**OWNER NAME:** Steve Colby  
**OWNER ADDRESS:** 339 West Antietam Street  
Hagerstown MD 21740  
**OWNER PHONE:** (301) 766-1066  
**CONTACT:** Steve Colby

**TANK INFORMATION**

**TANK ID:** 1  
**TANK STATUS:** Permanently Out of Use  
**TANK CAPACITY:** 1000  
**SUBSTANCE:** Heating Oil  
**OPERATOR:** Steve Colby  
**OPERATOR PHONE:** (301) 766-0166

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 300      **DIST/DIR:** 0.33 NW      **ELEVATION:** 597      **MAP ID:** 94

<b>NAME:</b> STEVE COLBY PROPERTY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 339 WEST ANTIETAM ST	<b>ID1:</b> 04-0855WA
HAGERSTOWN MD 21740	<b>ID2:</b> 04-0855WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	11/4/2003
<b>DATE CLOSED:</b>	3/2/2006

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 266      **DIST/DIR:** 0.34 NE      **ELEVATION:** 575      **MAP ID:** 95

<b>NAME:</b> JOE WIDMYER RESIDENCE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 67 and 69 E. FRANKLIN ST	<b>ID1:</b> 94-1327WA
HAGERSTOWN MD 21742	<b>ID2:</b> 94-1327WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	11/2/1993
<b>DATE CLOSED:</b>	11/2/1993

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 299      **DIST/DIR:** 0.34 NE      **ELEVATION:** 573      **MAP ID:** 96

**NAME:** STATE HWY RIGHT OF WAY  
**ADDRESS:** 50 EAST FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 00-0330WA  
**ID2:** 00-0330WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 8/18/1999  
**DATE CLOSED:** 6/2/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 215      **DIST/DIR:** 0.36 SW      **ELEVATION:** 561      **MAP ID:** 97

**NAME:** CITY OF HAGERSTOWN  
**ADDRESS:** HAGER HOUSE CITY PARK  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 01-1723WA  
**ID2:** 01-1723WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 6/1/2001  
**DATE CLOSED:** 6/13/2001

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 301      **DIST/DIR:** 0.36 NW      **ELEVATION:** 599      **MAP ID:** 98

**NAME:** STEWART DISTRIBUTORS      **REV:** 02/01/12  
**ADDRESS:** 300 WEST FRANKLIN ST      **ID1:** 95-0778WA  
HAGERSTOWN MD 21742      **ID2:** 95-0778WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/21/1994  
**DATE CLOSED:** 11/29/1994

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 238      **DIST/DIR:** 0.36 NW      **ELEVATION:** 599      **MAP ID:** 98

**NAME:** EXPEDITED SERVICES/OLD DISTRIBUTOR S      **REV:** 02/01/12  
**ADDRESS:** 300 WEST FRANKLIN ST      **ID1:** 97-1536WA  
HAGERSTOWN MD 21742      **ID2:** 97-1536WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 2/26/1997  
**DATE CLOSED:** 2/26/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 243      **DIST/DIR:** 0.36 SW      **ELEVATION:** 571      **MAP ID:** 99

<b>NAME:</b> FORMER BOCK OIL	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 115 KEY ST	<b>ID1:</b> 10-0465WA
HAGERSTOWN MD 21740	<b>ID2:</b> 10-0465WA
WASHINGTON	<b>STATUS:</b> OPEN
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** OPEN  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 3/4/2010  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 308      **DIST/DIR:** 0.36 SE      **ELEVATION:** 579      **MAP ID:** 100

<b>NAME:</b> THUMNA BUICK DEALERSHIP	<b>REV:</b> 01/01/10
<b>ADDRESS:</b> 201 FREDERICK ST	<b>ID1:</b> 96-1739WA
HAGERSTOWN MD	<b>ID2:</b> 96-1739WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 3/13/1996  
**DATE CLOSED:** 10/27/2009

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 307      **DIST/DIR:** 0.36 SE      **ELEVATION:** 579      **MAP ID:** 100

**NAME:** THUMMA MOTOR CO      **REV:** 02/01/12  
**ADDRESS:** 201 FREDERICK ST      **ID1:** 96-0735WA  
HAGERSTOWN MD 21740      **ID2:** 96-0735WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 10/19/1995  
**DATE CLOSED:** 10/31/1995

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 246      **DIST/DIR:** 0.37 NE      **ELEVATION:** 603      **MAP ID:** 101

**NAME:** FOUR STATES CHRISTIAN MISSIONARY      **REV:** 02/01/12  
**ADDRESS:** 125 NORTH PROSPECT ST      **ID1:** 99-1359WA  
HAGERSTOWN MD 21741      **ID2:** 99-1359WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 12/3/1998  
**DATE CLOSED:** 2/11/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 277      **DIST/DIR:** 0.37 SW      **ELEVATION:** 564      **MAP ID:** 102

**NAME:** PARK CIRCLE ANIMAL HOSPITAL  
**ADDRESS:** 362 VIRGINIA AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 91-1867WA  
**ID2:** 91-1867WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 3/25/1991  
**DATE CLOSED:** 3/14/2006

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 333      **DIST/DIR:** 0.38 SW      **ELEVATION:** 565      **MAP ID:** 103

**NAME:** 102 KEY STREET, BOCK OIL  
**ADDRESS:** 102 KEY ST  
HAGERSTOWN MD  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/1/08  
**ID1:** 43457237-7  
**ID2:** 12180  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**SITE INFORMATION:**

**RECIPIENT NAME:** HAGERSTOWN, CITY OF  
**GRANT PROJ NAME:** HAGERSTOWN, MD  
**CURRENT USE:**  
**FUTURE USE:**  
**PAST USAGE TYPE:**  
**FUTURE USAGE TYPE:**  
**START DATE:** 9/30/2001  
**COMPLETION DATE:** 9/30/2001  
**CLEANUP REQUIRED:**  
**ACCOMP TYPE:** PHASE I ENVIRONMENTAL ASSESSMENT  
**ACCOMP AMOUNT(ACRES):**

**PROPERTY ID:** 12180      **PROPRETY SIZE:** 1  
**PARCEL NUMBER:**

**CURRENT OWNER:**      **OWNER ENTITY:**

**CONTAMINATION FOUND**

**PETROLEUM PROD:**      **CONTROLLED SUB:**  
**ASBESTOS:**      **PCBS:**  
**VOCS:**      **LEAD:**  
**OTHER METALS:**      **PAHS:**  
**OTHER:**      **NONE:**  
**UNKNOWN:**

**MEDIA FOUND**

**SOIL:**      **AIR:**  
**SURFACE WATER:**      **GROUND WATER:**  
**DRINKING WATER:**      **SEDIMENTS:**

**CONTAMINANTS CLEANED UP**

**PETROLEUM:**      **CONTROLLED SUB:**  
**ASBESTOS:**      **PCB:**  
**VOC:**      **LEAD:**  
**OTHER METAL:**      **PAHS:**  
**OTHER:**      **UNKNOWN:**  
**NONE:**

**MEDIA CLEANED UP**

**SOIL:**      **AIR:**  
**SURFACE WATER:**      **GROUND WATER:**  
**DRINKING WATER:**      **SEDIMENTS:**  
**UNKNOWN:**      **NONE:**

- Continued on next page -



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

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<b>SEARCH ID:</b> 333	<b>DIST/DIR:</b> 0.38 SW	<b>ELEVATION:</b> 565	<b>MAP ID:</b> 103
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**NAME:** 102 KEY STREET, BOCK OIL  
**ADDRESS:** 102 KEY ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 10/1/08  
**ID1:** 43457237-7  
**ID2:** 12180  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**STATE/TRIBAL PROG ID:**  
**STATE/TRIBE PROG ENROLL:**  
**NOT ENROLLED:**  
**NFA ISSUE DATE:**  
**IC REQUIRED:**  
**IC IN PLACE:** U  
**IC IN PLACE DATE:**  
**PROPRIETARY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**ENFORCE PERM TOOLS:**  
**INFORM DEVICES:**  
**IC DATA ADDRESS:**  
**PHOTO AVAIL:**  
**VIDEO AVAIL:**

**PROPERTY DESC/ FORMER USE:** oil company

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 201      **DIST/DIR:** 0.38 SW      **ELEVATION:** 565      **MAP ID:** 103

<b>NAME:</b> BOCK OIL CO.	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> HIGHLAND AVE	<b>ID1:</b> 92-1961WA
HAGERSTOWN MD 21740	<b>ID2:</b> 92-1961WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 3/3/1992  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 253      **DIST/DIR:** 0.38 NW      **ELEVATION:** 595      **MAP ID:** 104

<b>NAME:</b> HAGERSTOWN CITY POLICE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 50 NORTH BURHANS BLVD	<b>ID1:</b> 99-0190WA
HAGERSTOWN MD 21740	<b>ID2:</b> 99-0190WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 7/22/1998  
**DATE CLOSED:** 1/29/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 185      **DIST/DIR:** 0.39 NE      **ELEVATION:** 594      **MAP ID:** 105

**NAME:** ALLEY 1-136  
**ADDRESS:** 25 WEST CHURCH ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 05-1150WA  
**ID2:** 05-1150WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 5/18/2005  
**DATE CLOSED:** 7/17/2006

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 226      **DIST/DIR:** 0.39 NE      **ELEVATION:** 579      **MAP ID:** 106

**NAME:** CREATIVE INVESTMENTS  
**ADDRESS:** 115 EAST FRANKLIN ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 99-2710WA  
**ID2:** 99-2710WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 5/12/1999  
**DATE CLOSED:** 10/2/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 306      **DIST/DIR:** 0.39 SE      **ELEVATION:** 587      **MAP ID:** 107

**NAME:** THUMA MOTOR CO  
**ADDRESS:** 219 FREDERICK ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 92-2094WA  
**ID2:** 92-2094WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 4/1/1992

**DATE CLOSED:** 4/7/1992

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 182      **DIST/DIR:** 0.40 SE      **ELEVATION:** 563      **MAP ID:** 108

**NAME:** ACTION PRODUCTS  
**ADDRESS:** 22 NORTH MULBERRY ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 00-0100WA  
**ID2:** 00-0100WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:** NO

**CLEANUP:** NO

**SECTION:** B-BELOW GROUND (RELEASE)

**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil

**DATE OPEN:** 7/15/1999

**DATE CLOSED:** 8/24/1999

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 200      **DIST/DIR:** 0.40 NW      **ELEVATION:** 602      **MAP ID:** 109

<b>NAME:</b>	BIG RED	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	90 BURNHAM BLVD HAGERSTOWN MD HAGERSTOWN	<b>ID1:</b>	91-0843WA
		<b>ID2:</b>	91-0843WA
<b>CONTACT:</b>		<b>STATUS:</b>	CLOSED
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	10/23/1993
<b>DATE CLOSED:</b>	7/15/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 234      **DIST/DIR:** 0.40 NE      **ELEVATION:** 589      **MAP ID:** 110

<b>NAME:</b>	DOMINO S PIZZA	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	CHURCH ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	90-0323WA
		<b>ID2:</b>	90-0323WA
<b>CONTACT:</b>		<b>STATUS:</b>	CLOSED
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	8/14/1989
<b>DATE CLOSED:</b>	8/14/1989

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 287      **DIST/DIR:** 0.40 NE      **ELEVATION:** 575      **MAP ID:** 111

<b>NAME:</b> RAPID LUBE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 120 WEST CHURCH ST	<b>ID1:</b> 09-0407WA
HAGERSTOWN MD 21740	<b>ID2:</b> 09-0407WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	1/7/2009
<b>DATE CLOSED:</b>	10/12/2011

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 329      **DIST/DIR:** 0.40 NE      **ELEVATION:** 613      **MAP ID:** 112

<b>NAME:</b> ZION EVANGELIST and REFORM CHURCH	<b>REV:</b> 01/01/10
<b>ADDRESS:</b> HAGERSTOWN MD 21740	<b>ID1:</b> 91-1210WA
	<b>ID2:</b> 91-1210WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	12/18/1990
<b>DATE CLOSED:</b>	10/27/2009

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

SWL

**SEARCH ID:** 112      **DIST/DIR:** 0.41 SE      **ELEVATION:**      **MAP ID:** 113

<b>NAME:</b> WASHINGTON CO. HOSP. ASSN. MWI	<b>REV:</b> 06/30/08
<b>ADDRESS:</b> 251 EAST ANTIETAM ROAD	<b>ID1:</b> 3535
HAGERSTOWN MD 21740	<b>ID2:</b> 2005-WMI-0553
WASHINGTON	<b>STATUS:</b> MEDICAL WASTE INCINERATOR
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

<b>TYPE:</b>	Medical Waste Incinerator
<b>OWNER:</b>	Private (Commercial)
<b>MD_GRID_E/N:</b>	658 / 598
<b>EXPIRATION DATE:</b>	6/15/2010
<b>FILL/SITE ACREAGE:</b>	0.25 / 77
<b>COMMENTS:</b>	
<b>OTHER:</b>	

LUST

**SEARCH ID:** 202      **DIST/DIR:** 0.41 NE      **ELEVATION:** 577      **MAP ID:** 114

<b>NAME:</b> BRIAN LAWYER	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 140 EAST FRANKLIN ST	<b>ID1:</b> 02-0300WA
HAGERSTOWN MD 21740	<b>ID2:</b> 02-0300WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	8/24/2001
<b>DATE CLOSED:</b>	1/30/2002

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 241      **DIST/DIR:** 0.41 NE      **ELEVATION:** 597      **MAP ID:** 115

<b>NAME:</b> FIL-TEC INC.	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 200 WEST PROSPECT ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 92-1519WA <b>ID2:</b> 92-1519WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/14/1992  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 240      **DIST/DIR:** 0.41 NE      **ELEVATION:** 597      **MAP ID:** 115

<b>NAME:</b> FIL-TEC CORP	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 200 PROSPECT ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 92-1832WA <b>ID2:</b> 92-1832WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/19/1992  
**DATE CLOSED:** 2/19/1992

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 261      **DIST/DIR:** 0.41 NW      **ELEVATION:** 595      **MAP ID:** 116

**NAME:** HAPPY HAMS USED CAR LOT  
**ADDRESS:** BURHAMS BLVD  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 93-2045WA  
**ID2:** 93-2045WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/22/1992

**DATE CLOSED:** 10/21/1992

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 315      **DIST/DIR:** 0.42 NE      **ELEVATION:** 608      **MAP ID:** 117

**NAME:** UNKNOWN  
**ADDRESS:** 45 EAST ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 97-0498WA  
**ID2:** 97-0498WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/11/1996

**DATE CLOSED:** 9/25/1996

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 180      **DIST/DIR:** 0.44 NE      **ELEVATION:** 597      **MAP ID:** 118

**NAME:** ABOVE GROUND      **REV:** 02/01/12  
**ADDRESS:** 304 WEST CHURCH ST      **ID1:** 93-1043WA  
HAGERSTOWN MD 21740      **ID2:** 93-1043WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 11/27/1992  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 269      **DIST/DIR:** 0.44 NE      **ELEVATION:** 597      **MAP ID:** 118

**NAME:** MARYLAND METALS, INC.      **REV:** 02/01/12  
**ADDRESS:** 304 WEST CHURCH ST      **ID1:** 94-1486WA  
HAGERSTOWN MD 21740      **ID2:** 94-1486WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 11/16/1993  
**DATE CLOSED:** 11/5/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 317      **DIST/DIR:** 0.44 NE      **ELEVATION:** 592      **MAP ID:** 119

**NAME:** VINCENT RESIDENCE      **REV:** 02/01/12  
**ADDRESS:** 46 EAST AVE      **ID1:** 91-2142WA  
HAGERSTOWN MD 21740      **ID2:** 91-2142WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 5/10/1991  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 323      **DIST/DIR:** 0.44 SE      **ELEVATION:** 583      **MAP ID:** 120

**NAME:** WASHINGTON COUNTY HOSPITAL      **REV:** 02/01/12  
**ADDRESS:** 251 EAST ANTITAM ST      **ID1:** 98-0603WA  
HAGERSTOWN MD 21740      **ID2:** 98-0603WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 9/17/1997  
**DATE CLOSED:** 9/17/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 324      **DIST/DIR:** 0.44 SE      **ELEVATION:** 583      **MAP ID:** 120

**NAME:** WASHINGTON COUNTY HOSPITAL  
**ADDRESS:** 251 EAST ANTIETAM ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 99-2643WA  
**ID2:** 99-2643WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 5/3/1999  
**DATE CLOSED:** 7/21/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 208      **DIST/DIR:** 0.45 SE      **ELEVATION:** 557      **MAP ID:** 121

**NAME:** CASSIDY TRUCKING INC  
**ADDRESS:** 441 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 95-0848WA  
**ID2:** 95-0848WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/28/1994  
**DATE CLOSED:** 9/28/1994

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 207      **DIST/DIR:** 0.45 SE      **ELEVATION:** 557      **MAP ID:** 121

**NAME:** CASSIDY TRUCKING CO      **REV:** 02/01/12  
**ADDRESS:** 441 SOUTH POTOMAC      **ID1:** 95-1454WA  
HAGERSTOWN MD 21746      **ID2:** 95-1454WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/20/1994  
**DATE CLOSED:** 2/2/1995

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 209      **DIST/DIR:** 0.45 SE      **ELEVATION:** 557      **MAP ID:** 121

**NAME:** CASSIDY TRUCKING INC.      **REV:** 02/01/12  
**ADDRESS:** 441 SOUTH POTOMAC ST      **ID1:** 99-2679WA  
HAGERSTOWN MD 21734      **ID2:** 99-2679WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 5/7/1999  
**DATE CLOSED:** 7/21/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 259      **DIST/DIR:** 0.46 SE      **ELEVATION:** 604      **MAP ID:** 122

<b>NAME:</b> HAGES OPTICAL	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 251 EAST BALTIMORE ST	<b>ID1:</b> 95-2562WA
HAGERSTOWN MD 21740	<b>ID2:</b> 95-2562WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 5/25/1995

**DATE CLOSED:** 5/25/1995

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 260      **DIST/DIR:** 0.46 SE      **ELEVATION:** 589      **MAP ID:** 123

<b>NAME:</b> HAMILTON PONTIAC	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 261 FREDERICK ST	<b>ID1:</b> 9-1756WA
HAGERSTOWN MD 21740	<b>ID2:</b> 9-1756WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 5/12/1989

**DATE CLOSED:** 5/12/1989

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 242      **DIST/DIR:** 0.47 NW      **ELEVATION:** 619      **MAP ID:** 124

<b>NAME:</b>	FIRST BAPTIST CHURCH	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	15 HIGH ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	94-0135WA
		<b>ID2:</b>	94-0135WA
<b>CONTACT:</b>		<b>STATUS:</b>	CLOSED
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	7/9/1993
<b>DATE CLOSED:</b>	7/15/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 250      **DIST/DIR:** 0.47 NE      **ELEVATION:** 596      **MAP ID:** 125

<b>NAME:</b>	GOODWILL INDUSTRIES	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	NORTH PROSPECT ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	94-1780WA
		<b>ID2:</b>	94-1780WA
<b>CONTACT:</b>		<b>STATUS:</b>	CLOSED
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	12/29/1993
<b>DATE CLOSED:</b>	12/29/1993

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 232      **DIST/DIR:** 0.48 NE      **ELEVATION:** 568      **MAP ID:** 126

<b>NAME:</b> DELPHEY BUILDING	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 237 EAST FRANKLIN ST HAGERSTOWN MD 21742 WASHINGTON	<b>ID1:</b> 97-2161WA <b>ID2:</b> 97-2161WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 5/23/1997  
**DATE CLOSED:** 5/23/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 281      **DIST/DIR:** 0.48 NW      **ELEVATION:** 622      **MAP ID:** 127

<b>NAME:</b> PILAH CORP	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 151 NORTH BURHANS HAGERSTOWN MD 21740	<b>ID1:</b> 9-1906WA <b>ID2:</b> 9-1906WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 6/6/1989  
**DATE CLOSED:** 6/7/1989

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 288      **DIST/DIR:** 0.48 NE      **ELEVATION:** 596      **MAP ID:** 128

<b>NAME:</b> REISNER BUILDING	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 240 NORTH PROSPECT ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 01-0379WA
	<b>ID2:</b> 01-0379WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 9/21/2000  
**DATE CLOSED:** 12/14/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 289      **DIST/DIR:** 0.48 NE      **ELEVATION:** 596      **MAP ID:** 128

<b>NAME:</b> REISNER INC	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 240 NORTH PROSPECT HAGERSTOWN MD 21740	<b>ID1:</b> 8-0473WA
	<b>ID2:</b> 8-0473WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/21/1987  
**DATE CLOSED:** 11/2/1987

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 325      **DIST/DIR:** 0.48 SW      **ELEVATION:** 566      **MAP ID:** 129

**NAME:** WASHINGTON COUNTY MUSEUM OF FINE ARTS  
**ADDRESS:** CITY PARK  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 93-1139WA  
**ID2:** 93-1139WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 3/16/1991

**DATE CLOSED:** 12/8/1992

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 320      **DIST/DIR:** 0.48 SW      **ELEVATION:** 566      **MAP ID:** 129

**NAME:** WASHINGTON CO. MUSEUM OF FINE ARTS  
**ADDRESS:** CITY PARK  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 93-0468WA  
**ID2:** 93-0468WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:** NO

**CLEANUP:** NO

**SECTION:** B-BELOW GROUND (RELEASE)

**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil

**DATE OPEN:** 8/31/1992

**DATE CLOSED:** 1/25/2001

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 321      **DIST/DIR:** 0.48 SW      **ELEVATION:** 566      **MAP ID:** 129

<b>NAME:</b> WASHINGTON CO. MUSEUM/HAGERSTOWN CITY PARK	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> CITY PARK	<b>ID1:</b> 94-2400WA
HAGERSTOWN MD 21740	<b>ID2:</b> 94-2400WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/8/1992  
**DATE CLOSED:** 12/8/1992

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 272      **DIST/DIR:** 0.50 NE      **ELEVATION:** 615      **MAP ID:** 130

<b>NAME:</b> MINNICK FUNERAL HOME	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 305 NORTH POTOMAC ST	<b>ID1:</b> 97-0100WA
HAGERSTOWN MD 21742	<b>ID2:</b> 97-0100WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 7/18/1996  
**DATE CLOSED:** 8/12/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 292      **DIST/DIR:** 0.50 SE      **ELEVATION:** 551      **MAP ID:** 131

<b>NAME:</b> SHEETZ 82	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 301 E WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 12-0065WA <b>ID2:</b> 12-0065WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 8/3/2011  
**DATE CLOSED:** 10/12/2011

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 293      **DIST/DIR:** 0.50 SE      **ELEVATION:** 551      **MAP ID:** 131

<b>NAME:</b> SHEETZ STORE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 301 EAST WASHINGTON ST HAGERSTOWN MD 21740	<b>ID1:</b> 95-0992WA <b>ID2:</b> 95-0992WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 10/19/1994  
**DATE CLOSED:** 6/21/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 290      **DIST/DIR:** 0.52 SE      **ELEVATION:** 569      **MAP ID:** 132

**NAME:** RITE AID DRUG STORE 21515  
**ADDRESS:** INT L RT. 40 and N. CANNON DR  
HAGERSTOWN MD  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 99-1257WA  
**ID2:** 99-1257WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 11/19/1998  
**DATE CLOSED:** 2/5/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 187      **DIST/DIR:** 0.53 NE      **ELEVATION:** 577      **MAP ID:** 133

**NAME:** AMOCO / WEAVER S AMOCO  
**ADDRESS:** 101 NORTH CANNON and FRANKLIN AVE  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 94-1701WA  
**ID2:** 94-1701WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/13/1993  
**DATE CLOSED:** 10/29/1994

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 245      **DIST/DIR:** 0.54 NE      **ELEVATION:** 603      **MAP ID:** 134

**NAME:** FORMER NATIONAL GUARD ARMORY  
**ADDRESS:** 328 NORTH POTOMAC AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 02-1323WA  
**ID2:** 02-1323WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 4/17/2002  
**DATE CLOSED:** 10/27/2009

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 276      **DIST/DIR:** 0.54 NE      **ELEVATION:** 603      **MAP ID:** 135

**NAME:** OLD NATIONAL GUARD ARMORY  
**ADDRESS:** 328 NORTH POTOMAC ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 01/01/10  
**ID1:** 02-1276WA  
**ID2:** 02-1276WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 4/5/2002  
**DATE CLOSED:** 10/27/2009

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

NFRAP

---

**SEARCH ID:** 4      **DIST/DIR:** 0.56 NW      **ELEVATION:** 631      **MAP ID:** 136

---

**NAME:** MAGNUS CO INC      **REV:** 4/30/12  
**ADDRESS:** ELIZABETH ST      **ID1:** MDD980538326  
HAGERSTOWN MD 21740      **ID2:** 0300271  
**CONTACT:**      **STATUS:** NFRAP-N  
**SOURCE:** EPA      **PHONE:**

---

**DESCRIPTION:**

<b>ACTION/QUALITY</b>	<b>AGENCY/RPS</b>	<b>START/RAA</b>	<b>END</b>
ARCHIVE SITE	EPA In-House		3/1/1984
DISCOVERY	EPA Fund-Financed		6/1/1981
PRELIMINARY ASSESSMENT	State, Fund Financed		3/1/1984

NFRAP: NO FURTHER REMEDIAL ACTION PLANNED

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 109      **DIST/DIR:** 0.56 NW      **ELEVATION:** 631      **MAP ID:** 136

<b>NAME:</b> MAGNUS CO. INC	<b>REV:</b> 01/01/12
<b>ADDRESS:</b> ELIZABETH ST	<b>ID1:</b> 121
HAGERSTOWN MD 21740	<b>ID2:</b>
WASHINGTON	<b>STATUS:</b> STATE MASTER LIST
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** STATE MASTER LIST

**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 108      **DIST/DIR:** 0.56 NW      **ELEVATION:** 631      **MAP ID:** 136

**NAME:** MAGNUS CO INC      **REV:** 02/01/09  
**ADDRESS:** ELIZABETH ST      **ID1:** 611  
HAGERSTOWN MD 21740      **ID2:**  
WASHINGTON      **STATUS:** ERRP  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**ENVIRONMENTAL RESTORATION and REDEVELOPMENT PROGRAM(ERRP) SITE INVENTORY LIST**

**ERRP DESIGNATION:** STATE MASTER LIST  
**ALIAS:**

LUST

**SEARCH ID:** 181      **DIST/DIR:** 0.56 NW      **ELEVATION:** 610      **MAP ID:** 137

**NAME:** ACandT STATION      **REV:** 02/01/12  
**ADDRESS:** 301 NORTH BURHAMS BLVD      **ID1:** 03-0984WA  
HAGERSTOWN MD 21742      **ID2:** 03-0984WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** C-BELOW GROUND (PREVENTATIVE)  
**CODE DESCRIPTION:** C-11-Compliance Inspections (C3, 4, 4B, 5, 9,10,11)  
**DATE OPEN:** 1/13/2003  
**DATE CLOSED:** 5/26/2004

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 199      **DIST/DIR:** 0.56 NE      **ELEVATION:** 594      **MAP ID:** 138

**NAME:** BETHEL GARDENS APTS COMPLEX COMMUNITY CENTER      **REV:** 02/01/12  
**ADDRESS:** 356 HENRY AVE      **ID1:** 96-1581WA  
HAGERSTOWN MD 21740      **ID2:** 96-1581WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/21/1996  
**DATE CLOSED:** 2/21/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 197      **DIST/DIR:** 0.56 NE      **ELEVATION:** 594      **MAP ID:** 138

**NAME:** BETHEL GARDENS APTS      **REV:** 02/01/12  
**ADDRESS:** BLDG F-356 HENRY AVE      **ID1:** 96-1583WA  
HAGERSTOWN MD 21740      **ID2:** 96-1583WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/21/1996  
**DATE CLOSED:** 2/21/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 193      **DIST/DIR:** 0.56 NE      **ELEVATION:** 594      **MAP ID:** 138

**NAME:** BETHEL GARDEN APTS      **REV:** 02/01/12  
**ADDRESS:** BLDG 8-356 HENRY AVE      **ID1:** 96-1585WA  
HAGERSTOWN MD 21740      **ID2:** 96-1585WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/21/1996  
**DATE CLOSED:** 2/21/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 194      **DIST/DIR:** 0.56 NE      **ELEVATION:** 594      **MAP ID:** 138

**NAME:** BETHEL GARDENS -BLDG 1 and 2      **REV:** 01/01/10  
**ADDRESS:** 356 HENRY AVE      **ID1:** 96-1835WA  
HAGERSTOWN MD 21740      **ID2:** 96-1835WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 3/27/1996  
**DATE CLOSED:** 10/27/2009

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 195      **DIST/DIR:** 0.56 NE      **ELEVATION:** 594      **MAP ID:** 138

**NAME:** BETHEL GARDENS -BLDG 56  
**ADDRESS:** 356 HENRY ROAD  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 01/01/10  
**ID1:** 96-1836WA  
**ID2:** 96-1836WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 3/27/1996  
**DATE CLOSED:** 10/27/2009

LUST

**SEARCH ID:** 196      **DIST/DIR:** 0.56 NE      **ELEVATION:** 594      **MAP ID:** 138

**NAME:** BETHEL GARDENS APTS  
**ADDRESS:** BLDG 5 -356 HENRY AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 96-1582WA  
**ID2:** 96-1582WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/21/1996  
**DATE CLOSED:** 2/21/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 198      **DIST/DIR:** 0.56 NE      **ELEVATION:** 594      **MAP ID:** 138

**NAME:** BETHEL GARDENS APTS      **REV:** 02/01/12  
**ADDRESS:** BLDG 3-356 HENRY AVE      **ID1:** 96-1584WA  
HAGERSTOWN MD 21740      **ID2:** 96-1584WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/21/1996  
**DATE CLOSED:** 2/21/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 211      **DIST/DIR:** 0.57 NW      **ELEVATION:** 608      **MAP ID:** 139

**NAME:** CHEVRON STATION      **REV:** 02/01/12  
**ADDRESS:** 305 BURHANS BLVD      **ID1:** 94-1888WA  
HAGERSTOWN MD 21740      **ID2:** 94-1888WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 1/13/1994  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 298      **DIST/DIR:** 0.57 NW      **ELEVATION:** 623      **MAP ID:** 140

**NAME:** ST. MARKS LUTHERAN CHURCH  
**ADDRESS:** 601 WASHINGTON ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 00-1907WA  
**ID2:** 00-1907WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 5/17/2000  
**DATE CLOSED:** 8/8/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 286      **DIST/DIR:** 0.58 SW      **ELEVATION:** 542      **MAP ID:** 141

**NAME:** PUBLIC WORKS DEPT.  
**ADDRESS:** 51 WEST MEMORIAL BLVD  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 08-0017WA  
**ID2:** 08-0017WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9B-Tank Closure Commercial Heating Oil  
**DATE OPEN:** 7/11/2007  
**DATE CLOSED:** 10/1/2007

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 217      **DIST/DIR:** 0.58 SW      **ELEVATION:** 542      **MAP ID:** 141

**NAME:** CITY OF HAGERSTOWN      **REV:** 02/01/12  
**ADDRESS:** 51 WEST MEMORIAL BLVD      **ID1:** 97-2043WA  
HAGERSTOWN MD 21740      **ID2:** 97-2043WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 5/7/1997  
**DATE CLOSED:** 6/16/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 309      **DIST/DIR:** 0.58 SW      **ELEVATION:** 542      **MAP ID:** 141

**NAME:** TOWN OF HAGERSTOWN/PUBLIC WAYS and RECREATION      **REV:** 02/01/12  
**ADDRESS:** 51 WEST MEMORIAL BLVD      **ID1:** 7-1349WA  
HAGERSTOWN MD 21740      **ID2:** 7-1349WA  
**CONTACT:**      **STATUS:** CLOSED  
**SOURCE:** MDE      **PHONE:**

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 1/14/1987  
**DATE CLOSED:** 7/24/1987

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 219      **DIST/DIR:** 0.58 SW      **ELEVATION:** 542      **MAP ID:** 141

**NAME:** CITY OF HAGERSTOWN PW DEPT  
**ADDRESS:** 51 WEST MEMORIAL BLVD  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 08-0309WA  
**ID2:** 08-0309WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 11/7/2007  
**DATE CLOSED:** 3/11/2008

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 264      **DIST/DIR:** 0.59 SE      **ELEVATION:** 545      **MAP ID:** 142

**NAME:** INNER FAITH HOUSING  
**ADDRESS:** 501 SOUTH POTOMAC ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 97-0421WA  
**ID2:** 97-0421WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/4/1996  
**DATE CLOSED:** 9/5/1996

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 227      **DIST/DIR:** 0.60 NW      **ELEVATION:** 614      **MAP ID:** 143

**NAME:** CSX RAIL TERMINAL      **REV:** 02/01/12  
**ADDRESS:** BURHANS BLVD      **ID1:** 90-2738WA  
HAGERSTOWN MD 21740      **ID2:** 90-2738WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 3/12/1990  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 228      **DIST/DIR:** 0.60 NW      **ELEVATION:** 614      **MAP ID:** 143

**NAME:** CSX ROUNDHOUSE      **REV:** 02/01/12  
**ADDRESS:** BURHANS BLVD      **ID1:** 91-0405WA  
HAGERSTOWN MD 21740      **ID2:** 91-0405WA  
WA      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 9/7/1990  
**DATE CLOSED:** 8/27/2010

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 229      **DIST/DIR:** 0.60 NW      **ELEVATION:** 614      **MAP ID:** 143

<b>NAME:</b> CSX TRANSPORTATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 300 SOUTH BURHANS BLVD	<b>ID1:</b> 00-0453WA
HAGERSTOWN MD 21740	<b>ID2:</b> 00-0453WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	A-AST/SPILLS/INSPECTIONS
<b>CODE DESCRIPTION:</b>	A-5-Aboveground Tank Leak - Motor/Lube Oil
<b>DATE OPEN:</b>	9/3/1999
<b>DATE CLOSED:</b>	10/4/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 230      **DIST/DIR:** 0.60 NW      **ELEVATION:** 614      **MAP ID:** 143

<b>NAME:</b> CSX TRANSPORTATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> BURHANS BLVD	<b>ID1:</b> 02-1049WA
HAGERSTOWN MD 21740	<b>ID2:</b> 02-1049WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	2/13/2002
<b>DATE CLOSED:</b>	11/21/2002

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 258      **DIST/DIR:** 0.60 NE      **ELEVATION:** 605      **MAP ID:** 144

<b>NAME:</b> HAGERSTOWN TRUST CO	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 360 EAST BURHANS BLVD	<b>ID1:</b> 96-0413WA
HAGERSTOWN MD 21740	<b>ID2:</b> 96-0413WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/1/1995  
**DATE CLOSED:** 9/1/1995

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 310      **DIST/DIR:** 0.60 NW      **ELEVATION:** 638      **MAP ID:** 145

<b>NAME:</b> TURNER S TAXI SERVICE INC	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 655 WEST WASHINGTON ST	<b>ID1:</b> 91-0658WA
HAGERSTOWN MD 21740	<b>ID2:</b> 91-0658WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 10/3/1990  
**DATE CLOSED:** 10/4/1990

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 311      **DIST/DIR:** 0.60 NW      **ELEVATION:** 638      **MAP ID:** 145

**NAME:** TURNER TAXI SERVICE  
**ADDRESS:** 655 WEST WASHINGTON ST  
HAGERSTOWN MD 21741  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 96-0174WA  
**ID2:** 96-0174WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 7/27/1995

**DATE CLOSED:** 1/28/1999

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 312      **DIST/DIR:** 0.60 NW      **ELEVATION:** 638      **MAP ID:** 145

**NAME:** TURNER TAXI SERVICE  
**ADDRESS:** 655 WEST WASHINGTON ST  
HAGERSTOWN MD 21741  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 96-0161WA  
**ID2:** 96-0161WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:** NO

**CLEANUP:** NO

**SECTION:** B-BELOW GROUND (RELEASE)

**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil

**DATE OPEN:** 7/27/1995

**DATE CLOSED:** 1/28/1999

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 291      **DIST/DIR:** 0.61 SE      **ELEVATION:** 520      **MAP ID:** 146

**NAME:** RPM PRODUCTS      **REV:** 02/01/12  
**ADDRESS:** 339 E ANTIETAM ST      **ID1:** 93-2650WA  
HAGERSTOWN MD 21740      **ID2:** 93-2650WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 6/4/1993  
**DATE CLOSED:** 10/2/1993

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 280      **DIST/DIR:** 0.62 SW      **ELEVATION:** 558      **MAP ID:** 147

**NAME:** PETER BAUGH RESIDENCE      **REV:** 02/01/12  
**ADDRESS:** 320 GARLINGER ST      **ID1:** 97-1802WA  
HAGERSTOWN MD 21742      **ID2:** 97-1802WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** YES  
**CLEANUP:** YES  
**SECTION:** A-AST/SPILLS/INSPECTIONS  
**CODE DESCRIPTION:** A-5-Aboveground Tank Leak - Motor/Lube Oil  
**DATE OPEN:** 4/7/1997  
**DATE CLOSED:** 4/11/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 282      **DIST/DIR:** 0.62 SE      **ELEVATION:** 550      **MAP ID:** 148

**NAME:** POTOMAC EDISON  
**ADDRESS:** 425 EAST BALTIMORE ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 7-1668WA  
**ID2:** 7-1668WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 3/21/1987

**DATE CLOSED:** 6/10/1987

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 224      **DIST/DIR:** 0.63 SE      **ELEVATION:** 527      **MAP ID:** 149

**NAME:** CONSOLIDATED FREIGHT LINES  
**ADDRESS:** 351 EAST ANTIETAM ST  
HAGERSTOWN MD 21240  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 96-0414WA  
**ID2:** 96-0414WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/1/1995

**DATE CLOSED:** 9/8/1995

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 225      **DIST/DIR:** 0.63 SE      **ELEVATION:** 527      **MAP ID:** 149

**NAME:** CONSOLIDATED FREIGHTWAYS  
**ADDRESS:** 351 EAST ANTIETAM ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 93-0119WA  
**ID2:** 93-0119WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 7/17/1992

**DATE CLOSED:** 9/1/1992

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 254      **DIST/DIR:** 0.63 NE      **ELEVATION:** 602      **MAP ID:** 150

**NAME:** HAGERSTOWN HOUSING AUTHORITY  
**ADDRESS:** 412 SUMANS AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 95-2407WA  
**ID2:** 95-2407WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 5/3/1995

**DATE CLOSED:** 5/3/1995

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 255      **DIST/DIR:** 0.63 NE      **ELEVATION:** 602      **MAP ID:** 150

<b>NAME:</b> HAGERSTOWN HOUSING AUTHORITY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> FREDERICK MANOR COMMUNITY CENTER	<b>ID1:</b> 96-0024WA
HAGERSTOWN MD	<b>ID2:</b> 96-0024WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 7/7/1995  
**DATE CLOSED:** 4/17/2002

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 328      **DIST/DIR:** 0.63 NW      **ELEVATION:** 659      **MAP ID:** 151

<b>NAME:</b> WINTER STREET ELEMENTARY SCHOOL	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 59 WINTER ST	<b>ID1:</b> 91-0324WA
HAGERSTOWN MD 21740	<b>ID2:</b> 91-0324WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 8/13/1990  
**DATE CLOSED:** 8/13/1990

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 330      **DIST/DIR:** 0.63 SW      **ELEVATION:** 562      **MAP ID:** 152

<b>NAME:</b>		<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	312 GARLANG ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	93-1194WA
		<b>ID2:</b>	93-1194WA
<b>CONTACT:</b>		<b>STATUS:</b>	CLOSED
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/16/1992  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 273      **DIST/DIR:** 0.64 NW      **ELEVATION:** 626      **MAP ID:** 153

<b>NAME:</b>	NORTH BAY DISTRIBUTORS	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	420 MECHANIC ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	91-2037WA
		<b>ID2:</b>	91-2037WA
<b>CONTACT:</b>		<b>STATUS:</b>	CLOSED
<b>SOURCE:</b>	MDE	<b>PHONE:</b>	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 4/25/1991  
**DATE CLOSED:** 4/25/1991

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 274      **DIST/DIR:** 0.64 NW      **ELEVATION:** 626      **MAP ID:** 153

**NAME:** NORTH BAY DISTRIBUTORS/EWING OIL  
**ADDRESS:** 420 MECHANIC ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 91-2036WA  
**ID2:** 91-2036WA  
**STATUS:** CANCELLED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CANCELLED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 4/25/1991

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 334      **DIST/DIR:** 0.66 SE      **ELEVATION:** 540      **MAP ID:** 154

**NAME:** 367 EAST FRANKLIN STREET  
**ADDRESS:** 361-371 EAST FRANKLIN ST  
HAGERSTOWN MD  
WASHINGTON  
**CONTACT:**  
**SOURCE:** EPA

**REV:** 10/1/08  
**ID1:** 43457237-4  
**ID2:** 12177  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**SITE INFORMATION:**

**RECIPIENT NAME:** HAGERSTOWN, CITY OF  
**GRANT PROJ NAME:** HAGERSTOWN, MD  
**CURRENT USE:**  
**FUTURE USE:**  
**PAST USAGE TYPE:**  
**FUTURE USAGE TYPE:**  
**START DATE:** 9/30/2001  
**COMPLETION DATE:** 9/30/2001  
**CLEANUP REQUIRED:**  
**ACCOMP TYPE:** PHASE I ENVIRONMENTAL ASSESSMENT  
**ACCOMP AMOUNT(ACRES):**

**PROPERTY ID:** 12177      **PROPRETY SIZE:** 2  
**PARCEL NUMBER:**

**CURRENT OWNER:**      **OWNER ENTITY:**

**CONTAMINATION FOUND**

**PETROLEUM PROD:**      **CONTROLLED SUB:**  
**ASBESTOS:**      **PCBS:**  
**VOCS:**      **LEAD:**  
**OTHER METALS:**      **PAHS:**  
**OTHER:**      **NONE:**  
**UNKNOWN:**

**MEDIA FOUND**

**SOIL:**      **AIR:**  
**SURFACE WATER:**      **GROUND WATER:**  
**DRINKING WATER:**      **SEDIMENTS:**

**CONTAMINANTS CLEANED UP**

**PETROLEUM:**      **CONTROLLED SUB:**  
**ASBESTOS:**      **PCB:**  
**VOC:**      **LEAD:**  
**OTHER METAL:**      **PAHS:**  
**OTHER:**      **UNKNOWN:**  
**NONE:**

**MEDIA CLEANED UP**

**SOIL:**      **AIR:**  
**SURFACE WATER:**      **GROUND WATER:**  
**DRINKING WATER:**      **SEDIMENTS:**  
**UNKNOWN:**      **NONE:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

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<b>SEARCH ID:</b> 334	<b>DIST/DIR:</b> 0.66 SE	<b>ELEVATION:</b> 540	<b>MAP ID:</b> 154
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**NAME:** 367 EAST FRANKLIN STREET  
**ADDRESS:** 361-371 EAST FRANKLIN ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 10/1/08  
**ID1:** 43457237-4  
**ID2:** 12177  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**STATE/TRIBAL PROG ID:**  
**STATE/TRIBE PROG ENROLL:**  
**NOT ENROLLED:**  
**NFA ISSUE DATE:**  
**IC REQUIRED:**  
**IC IN PLACE:** U  
**IC IN PLACE DATE:**  
**PROPRIETARY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**ENFORCE PERM TOOLS:**  
**INFORM DEVICES:**  
**IC DATA ADDRESS:**  
**PHOTO AVAIL:**  
**VIDEO AVAIL:**

**PROPERTY DESC/ FORMER USE:** dyeing/finishing

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 335      **DIST/DIR:** 0.67 NE      **ELEVATION:** 635      **MAP ID:** 155

**NAME:** BLUE MOUNTAIN WOODWORKS, INC.  
**ADDRESS:** 403 NORTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 10/1/08  
**ID1:** 10000003-151  
**ID2:** 10280  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

**RECIPIENT NAME:** R3 TBA (SUPERFUND FUNDED)  
**GRANT PROJ NAME:** R3 TBA (SUPERFUND FUNDED)  
**CURRENT USE:**  
**FUTURE USE:**  
**PAST USAGE TYPE:**  
**FUTURE USAGE TYPE:**  
**START DATE:** 1/2/2004  
**COMPLETION DATE:** 1/2/2004  
**CLEANUP REQUIRED:**  
**ACCOMP TYPE:** PHASE II ENVIRONMENTAL ASSESSMENT  
**ACCOMP AMOUNT(ACRES):**

**PROPERTY ID:** 10280      **PROPRETY SIZE:** 1.5  
**PARCEL NUMBER:**

**CURRENT OWNER:**      **OWNER ENTITY:**

**CONTAMINATION FOUND**

**PETROLEUM PROD:**      **CONTROLLED SUB:**  
**ASBESTOS:**      **PCBS:**  
**VOCS:**      **LEAD:**  
**OTHER METALS:**      **PAHS:**  
**OTHER:**      **NONE:**  
**UNKNOWN:**

**MEDIA FOUND**

**SOIL:**      **AIR:**  
**SURFACE WATER:**      **GROUND WATER:**  
**DRINKING WATER:**      **SEDIMENTS:**

**CONTAMINANTS CLEANED UP**

**PETROLEUM:**      **CONTROLLED SUB:**  
**ASBESTOS:**      **PCB:**  
**VOC:**      **LEAD:**  
**OTHER METAL:**      **PAHS:**  
**OTHER:**      **UNKNOWN:**  
**NONE:**

**MEDIA CLEANED UP**

**SOIL:**      **AIR:**  
**SURFACE WATER:**      **GROUND WATER:**  
**DRINKING WATER:**      **SEDIMENTS:**  
**UNKNOWN:**      **NONE:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

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**SEARCH ID:** 335      **DIST/DIR:** 0.67 NE      **ELEVATION:** 635      **MAP ID:** 155

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**NAME:** BLUE MOUNTAIN WOODWORKS, INC.  
**ADDRESS:** 403 NORTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 10/1/08  
**ID1:** 10000003-151  
**ID2:** 10280  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**STATE/TRIBAL PROG ID:**  
**STATE/TRIBE PROG ENROLL:**  
**NOT ENROLLED:**  
**NFA ISSUE DATE:**  
**IC REQUIRED:**  
**IC IN PLACE:** U  
**IC IN PLACE DATE:**  
**PROPRIETARY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**ENFORCE PERM TOOLS:**  
**INFORM DEVICES:**  
**IC DATA ADDRESS:**  
**PHOTO AVAIL:**  
**VIDEO AVAIL:**

**PROPERTY DESC/ FORMER USE:** Since at least 1897, the property has been industrial in use. The property was used for making organ pipes. Blue Mountain leased the facility in 1999.

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 101      **DIST/DIR:** 0.67 NE      **ELEVATION:** 635      **MAP ID:** 155

<p><b>NAME:</b> BLUE MOUNTAIN WOOD WORKS <b>ADDRESS:</b> 403 NORTH PROSPECT ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 01/01/12 <b>ID1:</b> 522 <b>ID2:</b> <b>STATUS:</b> NON MASTER LIST <b>PHONE:</b></p>
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**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** NON MASTER LIST

**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 336      **DIST/DIR:** 0.67 NE      **ELEVATION:** 635      **MAP ID:** 155

**NAME:** BLUE MOUNTAIN WOODWORKS, INC.  
**ADDRESS:** 403 NORTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 10000003-10280  
**ID2:** 10280  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

Y= YES    N=NO    U=UNKNOWN

**GRANT RECIPIENT:** R3 BROWNFIELDS TBA (PREVIOUSLY SUPERFUND TBA)  
**TYPE OF GRANT:** TBA  
**TYPE OF FUNDING:** H  
**ACRES PROPERTY ID:** 10280  
**PROPERTY SIZE (ACRES):** 1.5  
**LOCAL PROPERTY NUMBER:**  
**OWNERSHIP ENTITTY:**  
**CURRENT OWNER:**  
**DID OWNERSHIP CHANGE:**  
**SUPERFUND LANDOWNER LIABILITY CHANGE:**  
**PAST USE GREENSPACE (ACRES):**  
**PAST USE RESIDENTIAL(ACRES):**  
**PAST USE COMMERCIAL (ACRES):**  
**PAST USE INDUSTRIAL (ACRES):**

**CONTAMINATION FOUND**

**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**CONTAMINATION CLEANED UP:**

**CLEANUP REQUIRED:**  
**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**MEDIA AFFECTED**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**  
**NO MEDIA:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**  
**UNKNOWN:**

**MEDIA CLEANED:**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**

**STATE OR TRIBAL PROGRAM:**  
**NFA/CLEANUP COMPL ISSUED:**

**STATE/TRIBAL ID:**  
**DATE ENROLLED IN PROG:**

- Continued on next page -



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 336      **DIST/DIR:** 0.67 NE      **ELEVATION:** 635      **MAP ID:** 155

**NAME:** BLUE MOUNTAIN WOODWORKS, INC.  
**ADDRESS:** 403 NORTH PROSPECT ST  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 10000003-10280  
**ID2:** 10280  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**INSTITUTIONAL CONTROL INFORMATION (IC)**

**IC REQUIRED:**  
**INFORMATIONAL DEVICES:**  
**ENFORCEMENT/PERMIT TOOLS:**  
**DATE IC IN PLACE:**

**PROPERTY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**IC IN PLACE:** U

**CLEANUP START DATE:**  
**ACRES CLEANED UP:**  
**PROVIDING CLEANUP FUNDS:**  
**REDEVELOP START:**

**CLEANUP COMPLETION:**  
**CLEANUP FUNDING SOURCE:**  
**AMOUNT OF FUNDING:**

**FUTURE USE (acres)**

**GREEN SPACE:**  
**COMMERCIAL:**

**RESIDENTIAL:**  
**INDUSTRIAL:**

**PROPERTY HIGHLIGHTS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

BROWNFIELD

**SEARCH ID:** 331      **DIST/DIR:** 0.67 NE      **ELEVATION:** 635      **MAP ID:** 155

**NAME:** BLUE MOUNTAIN WOOD WORKS  
**ADDRESS:** 403 NORTH PROSPECT ST  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 01/01/12  
**ID1:** BF-1766  
**ID2:**  
**STATUS:** BROWNFIELD  
**PHONE:**

**MD LAND RESTORATION PRORAM BROWNFIELD SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** BROWNFIELD  
**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 235      **DIST/DIR:** 0.67 SW      **ELEVATION:** 564      **MAP ID:** 156

**NAME:** DRIVER ATTENDANCE/HARDELL FUEL CO.  
**ADDRESS:** 44 GARLINGER AVE  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 02/01/12  
**ID1:** 91-1555WA  
**ID2:** 91-1555WA  
**STATUS:** CLOSED  
**PHONE:**

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/8/1991  
**DATE CLOSED:** 2/8/1991

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 294      **DIST/DIR:** 0.68 NE      **ELEVATION:** 592      **MAP ID:** 157

**NAME:** SHIFFLER ELECTRIC CO  
**ADDRESS:** 426 CANNON AVE  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 02/01/12  
**ID1:** 94-3054WA  
**ID2:** 94-3054WA  
**STATUS:** CLOSED  
**PHONE:**

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 5/24/1994  
**DATE CLOSED:** 5/3/1994

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 303      **DIST/DIR:** 0.68 SE      **ELEVATION:** 552      **MAP ID:** 158

<b>NAME:</b> SUN S MUFFLER SRVC	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 501 FREDERICK ST	<b>ID1:</b> 95-1596WA
HAGERSTOWN MD 21740	<b>ID2:</b> 95-1596WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	1/9/1995
<b>DATE CLOSED:</b>	3/7/2000

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 316      **DIST/DIR:** 0.68 SE      **ELEVATION:** 546      **MAP ID:** 159

<b>NAME:</b> VENICE INN	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 431 DUAL HWY	<b>ID1:</b> 98-1871WA
HAGERSTOWN MD 21740	<b>ID2:</b> 98-1871WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	3/23/1998
<b>DATE CLOSED:</b>	4/13/1998

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 283      **DIST/DIR:** 0.72 NE      **ELEVATION:** 599      **MAP ID:** 160

**NAME:** POTOMAC PROPERTY MGMT.  
**ADDRESS:** 113-115 BROADWAY ST  
HAGERSTOWN MD  
WASHINGTON

**REV:** 06/01/09  
**ID1:** 04-1528WA  
**ID2:** 04-1528WA  
**STATUS:** OPEN  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** OPEN  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** A-AST/SPILLS/INSPECTIONS  
**CODE DESCRIPTION:** A-5A-Aboveground Tank Leak - Residential Heating Oil  
**DATE OPEN:**  
**DATE CLOSED:**

LUST

**SEARCH ID:** 251      **DIST/DIR:** 0.73 NW      **ELEVATION:** 613      **MAP ID:** 161

**NAME:** GOWEN MOTOR SERVICES  
**ADDRESS:** 810 LANVALE ST  
HAGERTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 99-1866WA  
**ID2:** 99-1866WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 2/1/1999  
**DATE CLOSED:** 3/1/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 265      **DIST/DIR:** 0.73 NW      **ELEVATION:** 613      **MAP ID:** 161

<b>NAME:</b> JEFFREY WHITE PROPERTY/GOWEN MOTOR SERVICE INC.	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 810 LANVALE ST	<b>ID1:</b> 98-0638WA
HAGERSTOWN MD 21740	<b>ID2:</b> 98-0638WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	9/22/1997
<b>DATE CLOSED:</b>	9/22/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 249      **DIST/DIR:** 0.73 NW      **ELEVATION:** 613      **MAP ID:** 161

<b>NAME:</b> GATEWAY CROSSING	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 810 LANVALE ST	<b>ID1:</b> 05-0798WA
HAGERSTOWN MD 21740	<b>ID2:</b> 05-0798WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	1/6/2005
<b>DATE CLOSED:</b>	7/20/2006

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 206      **DIST/DIR:** 0.74 SE      **ELEVATION:** 520      **MAP ID:** 162

**NAME:** C and P TELEPHONE CO.  
**ADDRESS:** 223 EAST MEMORIAL BLVD  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 94-1234WA  
**ID2:** 94-1234WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 10/26/1993  
**DATE CLOSED:** 10/26/1993

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 221      **DIST/DIR:** 0.74 NE      **ELEVATION:** 596      **MAP ID:** 163

**NAME:** COCA-COLA  
**ADDRESS:** 100 CHARLES ST  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 7-0450WA  
**ID2:** 7-0450WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 9/10/1986  
**DATE CLOSED:** 3/16/2001

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 231      **DIST/DIR:** 0.74 NW      **ELEVATION:** 640      **MAP ID:** 164

**NAME:** DAUB S REPAIR SHOP      **REV:** 02/01/12  
**ADDRESS:** 805 WEST FRANKLIN ST      **ID1:** 91-2234WA  
HAGERSTOWN MD 21740      **ID2:** 91-2234WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 5/20/1991  
**DATE CLOSED:** 5/20/1991

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 239      **DIST/DIR:** 0.74 NE      **ELEVATION:** 613      **MAP ID:** 165

**NAME:** F and T ASSOCIATION      **REV:** 02/01/12  
**ADDRESS:** 473 NORTH POTOMAC      **ID1:** 02-0158WA  
HAGERSTOWN MD 21740      **ID2:** 02-0158WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:** NO  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 7/31/2001  
**DATE CLOSED:** 2/9/2002

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 268      **DIST/DIR:** 0.74 SE      **ELEVATION:** 549      **MAP ID:** 166

**NAME:** LEE F STEIN PROPERTY      **REV:** 02/01/12  
**ADDRESS:** 401 EAST ANTIETAM ST      **ID1:** 95-2575WA  
HAGERSTOWN MD 21740      **ID2:** 95-2575WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 5/31/1995  
**DATE CLOSED:** 5/31/1995

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 275      **DIST/DIR:** 0.74 NW      **ELEVATION:** 626      **MAP ID:** 167

**NAME:** OLD KEY MARKET      **REV:** 02/01/12  
**ADDRESS:** 806 WEST WASHINGTON ST      **ID1:** 96-0956WA  
HAGERSTOWN MD      **ID2:** 96-0956WA  
WASHINGTON      **STATUS:** CLOSED  
**CONTACT:**      **PHONE:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 11/16/1995  
**DATE CLOSED:** 11/16/1995

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 267      **DIST/DIR:** 0.75 SE      **ELEVATION:** 554      **MAP ID:** 168

<b>NAME:</b>	KIMCO CORP/OASIS GAS CNTR/AMES SHOPPING CENTER	<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	RT 40 and CLEVELAND AVE HAGERSTOWN MD WASHINGTON	<b>ID1:</b>	95-1644WA
<b>CONTACT:</b>		<b>ID2:</b>	95-1644WA
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	CLOSED
		<b>PHONE:</b>	

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 1/13/1995

**DATE CLOSED:** 8/23/1995

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 104      **DIST/DIR:** 0.85 SW      **ELEVATION:** 607      **MAP ID:** 169

<p><b>NAME:</b> FORMER KOPPERS COMPANY <b>ADDRESS:</b> 100 CLAIR ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 01/01/12 <b>ID1:</b> 036 <b>ID2:</b> <b>STATUS:</b> STATE MASTER LIST <b>PHONE:</b></p>
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**MD LAND RESTORATION PRORAM SITES**

**ALIAS:** Koppers Co. - Hagerstown  
**PROGRAM DESIGNATION:** STATE MASTER LIST  
**FACT SHEET LINK:** [http://www.mde.state.md.us/assets/document/Former\\_Koppers\\_Company\(1\).pdf](http://www.mde.state.md.us/assets/document/Former_Koppers_Company(1).pdf)  
**ASSESSMENT ONGOING:** No  
**REMEDIATION ONGIONG:** No  
**WITHDRAWN:** No  
**DETERMINATION ISSUED:** No  
**CHLORINATED SOLVENTS IN GROUND WATER:** No  
**PETROLEUM IN GROUND WATER:** Yes  
**METALS IN GROUND WATER:** Yes  
**PESTICIDES IN GROUND WATER:** No  
**PCBs IN GROUND WATER:** No  
**PAHs IN GROUND WATER:** Yes  
**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No  
**PETROLEUM IN SOIL:** No  
**METALS IN SOIL:** Yes  
**PESTICIDES IN SOIL:** No  
**PCBs IN SOIL:** No  
**PAHs IN SOIL:** Yes

**CHLORINATED SOLVENTS IN SEDIMENT:** No  
**PETROLEUM IN SEDIMENT:** No  
**METALS IN SEDIMENT:** No  
**PESTICIDES IN SEDIMENT:** No  
**PCBs IN SEDIMENT:** No  
**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No  
**PETROLEUM IN SURFACE WATER:** No  
**METALS IN SURFACE WATER:** No  
**PESTICIDES IN SURFACE WATER:** No  
**PCBs IN SURFACE WATER:** No  
**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 105      **DIST/DIR:** 0.93 SE      **ELEVATION:** 492      **MAP ID:** 170

**NAME:** FORMER MUNICIPAL ELECTRIC LIGHT PLANT  
**ADDRESS:** INT OF MT AETNA RD and S EASTERN BLVD  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 01/01/12  
**ID1:** 569  
**ID2:**  
**STATUS:** NON MASTER LIST  
**PHONE:**

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** NON MASTER LIST

**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

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<b>SEARCH ID:</b> 103	<b>DIST/DIR:</b> 1.10 NE	<b>ELEVATION:</b> 644	<b>MAP ID:</b> 171
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<b>NAME:</b> CENTRAL CHEMICAL NORTHWEST SITE	<b>REV:</b> 02/01/09
<b>ADDRESS:</b> OPEN FIELD NORTHWEST OF MITCHELL ST. FAC HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 534
<b>CONTACT:</b>	<b>ID2:</b>
<b>SOURCE:</b> MDE	<b>STATUS:</b> ERRP
	<b>PHONE:</b>

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**ENVIRONMENTAL RESTORATION and REDEVELOPMENT PROGRAM(ERRP) SITE INVENTORY LIST**

**ERRP DESIGNATION:** STATE MASTER LIST  
**ALIAS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 102      **DIST/DIR:** 1.10 NE      **ELEVATION:** 644      **MAP ID:** 171

**NAME:** CENTRAL CHEMICAL CORP.  
**ADDRESS:** 40 NORTH JOHNATHAN ST  
HAGERSTOWN MD 21740

**REV:** 01/01/12  
**ID1:** 442  
**ID2:**  
**STATUS:** STATE MASTER LIST  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** STATE MASTER LIST

**FACT SHEET LINK:** [http://www.mde.state.md.us/assets/document/Central\\_Chemical\(1\).pdf](http://www.mde.state.md.us/assets/document/Central_Chemical(1).pdf)

**ASSESSMENT ONGOING:** No

**REMEDIATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 111      **DIST/DIR:** 1.23 SE      **ELEVATION:** 519      **MAP ID:** 172

**NAME:** WEST MANUFACTURING CO.  
**ADDRESS:** 910 ELDRIDGE DR  
HAGERSTOWN MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 01/01/12  
**ID1:** 418  
**ID2:**  
**STATUS:** STATE MASTER LIST  
**PHONE:**

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** STATE MASTER LIST

**FACT SHEET LINK:** <http://www.mde.state.md.us/assets/document/brownfields/westmanu.pdf>

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 393      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> MOLTEN MFG CO	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> LEITERSBURG PIKE	<b>ID1:</b> 92-0784WA
LEITERSBURG MD 21740	<b>ID2:</b> 92-0784WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/26/1991

**DATE CLOSED:** 9/26/1991

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 402      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> SOUTH END CHEVRON	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 1055 MARYLAND AVE	<b>ID1:</b> 10-0241WA
HAGERSTOWN MD 21740	<b>ID2:</b> 10-0241WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:** YES

**CLEANUP:** YES

**SECTION:** B-BELOW GROUND (RELEASE)

**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil

**DATE OPEN:** 11/4/2009

**DATE CLOSED:** 12/17/2009

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 401      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** SMITH TRANSFER  
**ADDRESS:** HOPWELL AVE  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 9-1777WA  
**ID2:** 9-1777WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 5/16/1989

**DATE CLOSED:** 5/6/1989

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 400      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** SHEETZ 163  
**ADDRESS:** 17550 VIRGINIA AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 09-0787WA  
**ID2:** 09-0787WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:** NO

**CLEANUP:** NO

**SECTION:** C-BELOW GROUND (PREVENTATIVE)

**CODE DESCRIPTION:** C-7-Retrofit/Repair Motor/Lube Oil

**DATE OPEN:** 3/12/2009

**DATE CLOSED:** 6/30/2009

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 399      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** SERV-U-VENDING  
**ADDRESS:** RT 11  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 9-1327WA  
**ID2:** 9-1327WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 3/14/1989

**DATE CLOSED:** 3/14/1989

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 398      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** SAFELITE AUTO GLASS  
**ADDRESS:** 17600 VIRGINIA AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 10-0651WA  
**ID2:** 10-0651WA  
**STATUS:** OPEN  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** OPEN

**RELEASE:** NO

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:** B-BELOW GROUND (RELEASE)

B-10-Other Motor/Lube Oil

**DATE OPEN:** 5/27/2010

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 397      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> PROPERTY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> ANTIETAM DR	<b>ID1:</b> 93-0675WA
HAGERSTOWN MD 21740	<b>ID2:</b> 93-0675WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/6/1992  
**DATE CLOSED:** 9/7/1992

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 396      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> PIE NATIONWIDE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> RT 11,NORTH NEAR AIRPORT	<b>ID1:</b> 7-0864WA
HAGERSTOWN MD 21740	<b>ID2:</b> 7-0864WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 11/7/1986  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 392      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** JOHN R. OLIVER CO  
**ADDRESS:** RT 5 BOX 2  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 5-5013WA  
**ID2:** 5-5013WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 6/26/1984

**DATE CLOSED:** 4/29/1985

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 394      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** OLD FIRST NATIONAL BANK  
**ADDRESS:** VIRGINIA AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 93-0075WA  
**ID2:** 93-0075WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 7/13/1992

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 411      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** WA CO FIRE and RESCUE  
**ADDRESS:** 229 SHADYBROOK TER  
HAGERSTOWN MD

**REV:** 02/01/12  
**ID1:** 9-0390WA  
**ID2:** 9-0390WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 9/11/1988

**DATE CLOSED:** 9/11/1988

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 391      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** JOHN R. OLIVER  
**ADDRESS:** RT 5  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 4-0000WA  
**ID2:** 4-0000WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 4/27/1989

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 390      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> JOE PURTLE CO	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> MITCHELL AVE	<b>ID1:</b> 92-3057WA
HAGERSTOWN MD 21740	<b>ID2:</b> 92-3057WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 11/5/1992

**DATE CLOSED:** 11/5/1991

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 389      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> INDEPENMENT CEMENT INCOP	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> SECURITY BLVD	<b>ID1:</b> 8-0514WA
HAGERSTOWN MD 21740	<b>ID2:</b> 8-0514WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:**

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 388      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> HI-LO STATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> ROUTE 40 WEST	<b>ID1:</b> 94-0319WA
HAGERSTOWN MD 21740	<b>ID2:</b> 94-0319WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 7/21/1993

**DATE CLOSED:** 8/3/1993

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 387      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> HENSON AVIATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> WASH CO AIRPORT	<b>ID1:</b> 7-1358WA
HAGERSTOWN MD 21740	<b>ID2:</b> 7-1358WA
	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 1/16/1987

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**LUST**

**SEARCH ID:** 395      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> OVERNIGHT EXPRESS	<b>REV:</b> 06/01/10
<b>ADDRESS:</b> EASTBOUND RT 70, and HAGERSTOWN MD 21740	<b>ID1:</b> 7-0976WA
	<b>ID2:</b> 7-0976WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	A-AST/SPILLS/INSPECTIONS
<b>CODE DESCRIPTION:</b>	A-2E-Vehicle Accident Emergency
<b>DATE OPEN:</b>	11/24/1986
<b>DATE CLOSED:</b>	

**LUST**

**SEARCH ID:** 414      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> WASH.CO. WATER and SEWER DEPT./FARM LANE PUMPING STA	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> OFF FARM LANE	<b>ID1:</b> 97-2370WA
HAGERSTOWN MD 21740	<b>ID2:</b> 97-2370WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9-Tank Closure Heating Oil
<b>DATE OPEN:</b>	6/19/1997
<b>DATE CLOSED:</b>	6/19/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 420      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** 102 KEY STREET, BOCK OIL  
**ADDRESS:** 102 KEY ST  
HAGERSTOWN MD

**REV:** 5/1/12  
**ID1:** 12180  
**ID2:** 12180  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

Y= YES    N=NO    U=UNKNOWN

**GRANT RECIPIENT:** HAGERSTOWN, CITY OF  
**TYPE OF GRANT:** ASSESSMENT  
**TYPE OF FUNDING:** N/A  
**ACRES PROPERTY ID:** 12180  
**PROPERTY SIZE (ACRES):** 1  
**LOCAL PROPERTY NUMBER:**  
**OWNERSHIP ENTITTY:**  
**CURRENT OWNER:**  
**DID OWNERSHIP CHANGE:**  
**SUPERFUND LANDOWNER LIABILITY CHANGE:**  
**PAST USE GREENSPACE (ACRES):**  
**PAST USE RESIDENTIAL(ACRES):**  
**PAST USE COMMERCIAL (ACRES):**  
**PAST USE INDUSTRIAL (ACRES):**

**CONTAMINATION FOUND**

**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**CONTAMINATION CLEANED UP:**

**CLEANUP REQUIRED:**  
**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**MEDIA AFFECTED**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**  
**NO MEDIA:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**  
**UNKNOWN:**

**MEDIA CLEANED:**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**

**STATE OR TRIBAL PROGRAM:**  
**NFA/CLEANUP COMPL ISSUED:**

**STATE/TRIBAL ID:**  
**DATE ENROLLED IN PROG:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 420      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** 102 KEY STREET, BOCK OIL  
**ADDRESS:** 102 KEY ST  
HAGERSTOWN MD

**REV:** 5/1/12  
**ID1:** 12180  
**ID2:** 12180  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**INSTITUTIONAL CONTROL INFORMATION (IC)**

**IC REQUIRED:**  
**INFORMATIONAL DEVICES:**  
**ENFORCEMENT/PERMIT TOOLS:**  
**DATE IC IN PLACE:**

**PROPERTY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**IC IN PLACE:** U

**CLEANUP START DATE:**  
**ACRES CLEANED UP:**  
**PROVIDING CLEANUP FUNDS:**  
**REDEVELOP START:**

**CLEANUP COMPLETION:**  
**CLEANUP FUNDING SOURCE:**  
**AMOUNT OF FUNDING:**

**FUTURE USE (acres)**

**GREEN SPACE:**  
**COMMERCIAL:**

**RESIDENTIAL:**  
**INDUSTRIAL:**

**PROPERTY HIGHLIGHTS:**

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 421      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** 367 EAST FRANKLIN STREET  
**ADDRESS:** 361 EAST FRANKLIN ST  
HAGERSTOWN MD

**REV:** 5/1/12  
**ID1:** 12177  
**ID2:** 12177  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

Y= YES    N=NO    U=UNKNOWN

**GRANT RECIPIENT:** HAGERSTOWN, CITY OF  
**TYPE OF GRANT:** ASSESSMENT  
**TYPE OF FUNDING:** N/A  
**ACRES PROPERTY ID:** 12177  
**PROPERTY SIZE (ACRES):** 2  
**LOCAL PROPERTY NUMBER:**  
**OWNERSHIP ENTITTY:**  
**CURRENT OWNER:**  
**DID OWNERSHIP CHANGE:**  
**SUPERFUND LANDOWNER LIABILITY CHANGE:**  
**PAST USE GREENSPACE (ACRES):**  
**PAST USE RESIDENTIAL(ACRES):**  
**PAST USE COMMERCIAL (ACRES):**  
**PAST USE INDUSTRIAL (ACRES):**

**CONTAMINATION FOUND**

**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**CONTAMINATION CLEANED UP:**

**CLEANUP REQUIRED:**  
**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**MEDIA AFFECTED**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**  
**NO MEDIA:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**  
**UNKNOWN:**

**MEDIA CLEANED:**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**

**STATE OR TRIBAL PROGRAM:**  
**NFA/CLEANUP COMPL ISSUED:**

**STATE/TRIBAL ID:**  
**DATE ENROLLED IN PROG:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

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**SEARCH ID:** 421      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

---

**NAME:** 367 EAST FRANKLIN STREET  
**ADDRESS:** 361 EAST FRANKLIN ST  
HAGERSTOWN MD

**REV:** 5/1/12  
**ID1:** 12177  
**ID2:** 12177  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**INSTITUTIONAL CONTROL INFORMATION (IC)**

**IC REQUIRED:**  
**INFORMATIONAL DEVICES:**  
**ENFORCEMENT/PERMIT TOOLS:**  
**DATE IC IN PLACE:**

**PROPERTY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**IC IN PLACE:** U

**CLEANUP START DATE:**  
**ACRES CLEANED UP:**  
**PROVIDING CLEANUP FUNDS:**  
**REDEVELOP START:**

**CLEANUP COMPLETION:**  
**CLEANUP FUNDING SOURCE:**  
**AMOUNT OF FUNDING:**

**FUTURE USE (acres)**

**GREEN SPACE:**  
**COMMERCIAL:**

**RESIDENTIAL:**  
**INDUSTRIAL:**

**PROPERTY HIGHLIGHTS:**

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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<b>SEARCH ID:</b> 357	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
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<b>NAME:</b> INTL SALT CO <b>ADDRESS:</b> SOUTH BURHANS AVE HAGERSTOWN MD 21740	<b>REV:</b> <b>ID1:</b> MDD985414390 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
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**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS : MD0062855  
AFS/AIRS : 2404300188, 240430188  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 422      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** 562 NORTHERN AVENUE, OLD RICKEL S  
**ADDRESS:** 562 NORTHERN AVE  
HAGERSTOWN MD

**REV:** 5/1/12  
**ID1:** 12178  
**ID2:** 12178  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

Y= YES    N=NO    U=UNKNOWN

**GRANT RECIPIENT:** HAGERSTOWN, CITY OF  
**TYPE OF GRANT:** ASSESSMENT  
**TYPE OF FUNDING:** N/A  
**ACRES PROPERTY ID:** 12178  
**PROPERTY SIZE (ACRES):** 6  
**LOCAL PROPERTY NUMBER:**  
**OWNERSHIP ENTITTY:**  
**CURRENT OWNER:**  
**DID OWNERSHIP CHANGE:**  
**SUPERFUND LANDOWNER LIABILITY CHANGE:**  
**PAST USE GREENSPACE (ACRES):**  
**PAST USE RESIDENTIAL(ACRES):**  
**PAST USE COMMERCIAL (ACRES):**  
**PAST USE INDUSTRIAL (ACRES):**

**CONTAMINATION FOUND**

**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**CONTAMINATION CLEANED UP:**

**CLEANUP REQUIRED:** N  
**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**MEDIA AFFECTED**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**  
**NO MEDIA:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**  
**UNKNOWN:**

**MEDIA CLEANED:**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**

**STATE OR TRIBAL PROGRAM:**  
**NFA/CLEANUP COMPL ISSUED:**

**STATE/TRIBAL ID:**  
**DATE ENROLLED IN PROG:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

---

**SEARCH ID:** 422      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

---

**NAME:** 562 NORTHERN AVENUE, OLD RICKEL S  
**ADDRESS:** 562 NORTHERN AVE  
HAGERSTOWN MD

**REV:** 5/1/12  
**ID1:** 12178  
**ID2:** 12178  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**INSTITUTIONAL CONTROL INFORMATION (IC)**

**IC REQUIRED:**  
**INFORMATIONAL DEVICES:**  
**ENFORCEMENT/PERMIT TOOLS:**  
**DATE IC IN PLACE:**

**PROPERTY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**IC IN PLACE:** U

**CLEANUP START DATE:**  
**ACRES CLEANED UP:**  
**PROVIDING CLEANUP FUNDS:**  
**REDEVELOP START:**

**CLEANUP COMPLETION:**  
**CLEANUP FUNDING SOURCE:**  
**AMOUNT OF FUNDING:**

**FUTURE USE (acres)**

**GREEN SPACE:**  
**COMMERCIAL:**

**RESIDENTIAL:**  
**INDUSTRIAL:**

**PROPERTY HIGHLIGHTS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 386      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** HALDERMAN POULTRY FARM  
**ADDRESS:** RT 40 WEST  
HAGERSTOWN MD  
WASHINGTON  
**CONTACT:**  
**SOURCE:** MDE

**REV:** 02/01/12  
**ID1:** 92-0273WA  
**ID2:** 92-0273WA  
**STATUS:** CLOSED  
**PHONE:**

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 7/25/1991  
**DATE CLOSED:** 7/31/1991

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

TRIBALLAND

**SEARCH ID:** 419      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION  
**ADDRESS:** UNKNOWN  
MD 21740  
WASHINGTON  
**CONTACT:**  
**SOURCE:** BIA

**REV:** 01/15/08  
**ID1:** BIA-21740  
**ID2:**  
**STATUS:**  
**PHONE:**

**BUREAU OF INDIAN AFFAIRS CONTACT INFORMATION**

**OFFICE:** Eastern Regional Office  
**CONTACT:** FRANKLIN KEEL, REGIONAL DIRECTOR  
**ADDRESS:** 545 MARRIOTT DR, SUITE 700  
Nashville TN 37214  
**PHONE:** Phone: 615-564-6700  
**FAX:** Fax: 615-564-6701

The Native American Consultation Database (NACD) is a tool for identifying consultation contacts for Indian tribes, Alaska Native villages and corporations, and Native Hawaiian organizations. The database is not a comprehensive source of information, but it does provide a starting point for the consultation process by identifying tribal leaders and NAGPRA contacts. This database can be accessed online at the following web address  
<http://home.nps.gov/nacd/>



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 418      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b>		<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	MEMORIAL BLVD	<b>ID1:</b>	90-2764WA
	HAGERSTOWN MD 21740	<b>ID2:</b>	90-2764WA
	WASHINGTON	<b>STATUS:</b>	CLOSED
<b>CONTACT:</b>		<b>PHONE:</b>	
<b>SOURCE:</b>	MDE		

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 5/10/1990  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 417      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b>		<b>REV:</b>	02/01/12
<b>ADDRESS:</b>	WEST WASHINGTON ST	<b>ID1:</b>	9-0876WA
	HAGERSTOWN MD 21740	<b>ID2:</b>	9-0876WA
		<b>STATUS:</b>	CLOSED
<b>CONTACT:</b>		<b>PHONE:</b>	
<b>SOURCE:</b>	MDE		

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:**  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 409      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> UNKNOWN	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> ALLEY BEHIND HAMILTON BLVD	<b>ID1:</b> 94-0752WA
HAGERSTOWN MD 21740	<b>ID2:</b> 94-0752WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 8/30/1993  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 415      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> WASH.CO. WATER and SEWER DEPT./MAUGANSVILLE PUMPING	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> SOUTH MAIN ST	<b>ID1:</b> 97-2371WA
MAUGANSVILLE MD 21740	<b>ID2:</b> 97-2371WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-9-Tank Closure Heating Oil  
**DATE OPEN:** 6/20/1997  
**DATE CLOSED:** 6/20/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 403      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> SSE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> WASHINGTON ST HAGERSTOWN MD 21740	<b>ID1:</b> 9-0875WA
	<b>ID2:</b> 9-0875WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:**  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 413      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> WA CO WATER and SEWER PUMPING STATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> RT. 675 and I-70 SHARPSBURG MD 21740 WASHINGTON	<b>ID1:</b> 98-0775WA
	<b>ID2:</b> 98-0775WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 10/8/1997  
**DATE CLOSED:** 10/8/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 412      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** WA CO GOV./COLUMBIA 1ST BANK  
**ADDRESS:** FRANKLIN ST  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 93-0939WA  
**ID2:** 93-0939WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 11/10/1992

**DATE CLOSED:** 11/10/1992

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 410      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** WA CO FIRE and RESCUE  
**ADDRESS:** 229 SHADYBROOK TER  
HAGERSTOWN MD

**REV:** 01/15/06  
**ID1:** 89-0390WA  
**ID2:** 89-0390WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 408      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> UNK ASPHALT TRUCK	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> I-70	<b>ID1:</b> 8-0557FR
HAGERSTOWN MD 21740	<b>ID2:</b> 8-0557FR
	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/25/1987  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 407      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> TRACTOR TRAILER OIL LEAK	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> MOUNT LENA ROAD	<b>ID1:</b> 90-2804WA
JUGTOWN MD 21740	<b>ID2:</b> 90-2804WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 3/5/1990  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 406      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** THE POTOMAC EDISON CO GENERAL OFFICE  
**ADDRESS:** DOWNSVILLE PIKE  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 7-0108WA  
**ID2:** 7-0108WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 7/18/1986

**DATE CLOSED:** 1/27/1987

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 405      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** STATE HWY/HAGERSTOWN SHOP  
**ADDRESS:** MD ROUTE 65 and I-70  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 7-0854WA  
**ID2:** 7-0854WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 11/6/1986

**DATE CLOSED:** 11/12/1986

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 404      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> STATE HIGHWAY ADMINISTRATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 18320 COLONEL HENRY DOUGLAS DR	<b>ID1:</b> 10-0127WA
HAGERSTOWN MD 21740	<b>ID2:</b> 10-0127WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	9/10/2009
<b>DATE CLOSED:</b>	12/28/2010

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 416      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> WASHINGTON CO HOUSING AUTHORITY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> OFF LEE ST	<b>ID1:</b> 95-0052WA
HAGERSTOWN MD 21740	<b>ID2:</b> 95-0052WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	7/11/1994
<b>DATE CLOSED:</b>	

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 347      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> ALPHA PAINTING COMPANY	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> MD RTE NO 60 ANTIETAM CREEK	<b>ID1:</b> 110022381901
HAGERSTOWN MD 21740	<b>ID2:</b> 5515
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> MD-RCRA	<b>PROGRAM ID:</b> 5515
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

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**NIAC INFORMATION**

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FINDS

**SEARCH ID:** 358      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> MD SHA BRIDGE 2101403	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> US 40 EB and ANTIETAM CREEK	<b>ID1:</b> 110043547837
HAGERSTOWN MD 21740	<b>ID2:</b> MDR000525134
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> RCRAINFO	<b>PROGRAM ID:</b> MDR000525134
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

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**NIAC INFORMATION**

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**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 356      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> INTERNATIONAL SALT CO.	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> SOUTH BURHANS AVE	<b>ID1:</b> 110028105921
HAGERSTOWN MD 21740	<b>ID2:</b> MD0062855
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> NPDES	<b>PROGRAM ID:</b> MD0062855
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

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**NIAC INFORMATION**

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FINDS

**SEARCH ID:** 355      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> INTERNATIONAL SALT	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> SOUTH BURHANS BLVD	<b>ID1:</b> 110007258136
HAGERSTOWN MD 21740	<b>ID2:</b> 2404300188
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> AIRS/AFS	<b>PROGRAM ID:</b> 2404300188
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

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**NIAC INFORMATION**

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## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 354      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b>      HOMEWOOD RETIREMENT CENTER <b>ADDRESS:</b> 16505 VIRGINIA AVE HAGERSTOWN MD 21795 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b>      5/22/09 <b>ID1:</b>      110002023471 <b>ID2:</b>      2404300145 <b>STATUS:</b>      FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300145
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	AIRS/AFS
<b>LAST REPORTED:</b>	9/25/2000	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	AIR MINOR - A FACILITY IS CLASSIFIED AS A CLEAN AIR ACT STATIONARY SOURCE MINOR DISCHARGER OF AIR POLLUTANTS IF: (A) POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR; OR (B) MAJOR SOURCE THRESHOLDS ARE NOT DEFINED, OR CLASSIFICATION IS UNKNOWN.		

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110002023471
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** A  
**DATA QUALITY:** iZ  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/1/2000  
**DATA UPDATED:** 12/30/2006 10:21:43 AM  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:** N  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:** N  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** N  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:** 06  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:** 02070004  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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<b>SEARCH ID:</b> 354	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
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**NAME:** HOMEWOOD RETIREMENT CENTER  
**ADDRESS:** 16505 VIRGINIA AVE  
HAGERSTOWN MD 21795  
WASHINGTON

**REV:** 5/22/09  
**ID1:** 110002023471  
**ID2:** 2404300145  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 353      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** HAGERSTOWN LIGHT and HEAT CO  
**ADDRESS:** WEST WASHINGTON ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MDD981115124  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS :  
SSTS :  
CERCLIS : MDD981115124  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 352      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> EASTERN ORGAN PIPES INC	<b>REV:</b> 7/11/07
<b>ADDRESS:</b> 402 NORTH PROSPECT AVE	<b>ID1:</b> 110029081972
HAGERSTOWN MD 21740	<b>ID2:</b>
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b>	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110029081972
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/22/2007 8:27:40 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NJ-NJEMS
<b>LAST REPORTED:</b>	4/22/2007 8:27:41 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	NJ-NJEMS	<b>PROGRAM ID:</b>	282178
<b>PROVIDED BY:</b>	STATE AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	NJEMS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	4/22/2007 8:27:41 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	STATE MASTER -		

**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** A  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** REGULAR URBAN  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/22/2007 8:27:41 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:** N  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 351      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> CENTRAL CHEMICAL WAREHOUSE <b>ADDRESS:</b> E/S SUMMIT AVE HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> 9/12/05 <b>ID1:</b> 110013802046 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b></p>
---	--

**FACILITY REGISTRATION INFORMATION:**

<p><b>PROGRAM:</b> FRS <b>PROVIDED BY:</b> FEDERAL AGENCY <b>AGENCY INT QUAL:</b> <b>INT END QUAL:</b> <b>LAST REPORTED:</b> 3/26/2003 5:58:46 PM <b>ENFORCEMENT ACT:</b> <b>REG PROGRAM:</b> FACILITY -</p>	<p><b>PROGRAM ID:</b> 110013802046 <b>AGENCY INTERESTED:</b> 3/26/2003 5:58:45 PM <b>INTEREST ENDED:</b> <b>SOURCE OF DATA:</b> CERCLIS <b>LAST EXTRACTED:</b></p>
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<p><b>PROGRAM:</b> CERCLIS <b>PROVIDED BY:</b> FEDERAL AGENCY <b>AGENCY INT QUAL:</b> DISCOVERY DATE <b>INT END QUAL:</b> <b>LAST REPORTED:</b> <b>ENFORCEMENT ACT:</b> <b>REG PROGRAM:</b> SUPERFUND - AN UNCONTROLLED OR ABANDONED PLACE WHERE HAZARDOUS WASTE IS LOCATED, POSSIBLY AFFECTING LOCAL ECOSYSTEMS OR PEOPLE.</p>	<p><b>PROGRAM ID:</b> MDN000305924 <b>AGENCY INTERESTED:</b> 3/4/2003 <b>INTEREST ENDED:</b> <b>SOURCE OF DATA:</b> CERCLIS <b>LAST EXTRACTED:</b> 3/26/2003 5:58:46 PM</p>
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**SITE TYPE:** STATIONARY  
**INTEREST STATUS:** A  
**DATA QUALITY:** V  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 3/26/2003 5:58:46 PM  
**DATA UPDATED:** 3/27/2003 9:50:39 AM  
**ENTERED PERSON/METHOD:** BEAR  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:** MEDIUM  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:**  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 350      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> BLACK DIAMOND ENERGIES <b>ADDRESS:</b> PROSPECT ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110007272183 <b>ID2:</b> 2404300275 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	MD-PEMIS	<b>PROGRAM ID:</b>	043-0275
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			
<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300275
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

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FINDS

**SEARCH ID:** 359      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> MD-SHA BRIDGE 2112003 <b>ADDRESS:</b> I70 and ANTIETAM CREEK FUNKSTOWN MD 21734 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 10/25/11 <b>ID1:</b> 110043305777 <b>ID2:</b> MDR000513788 <b>STATUS:</b> FRS <b>PHONE:</b></p>
---	--

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	RCRAINFO	<b>PROGRAM ID:</b>	MDR000513788
<b>FEDERAL FACILITY:</b>			
<b>TRIBAL LAND:</b>			

**SIC INFORMATION**

**NIAC INFORMATION**

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## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

### FINDS

**SEARCH ID:** 348      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> BESTER, HENRY and SONS - MEMORIAL BLV <b>ADDRESS:</b> POTOMAC STREET and MEMO HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> 11/1/06 <b>ID1:</b> 110007260061 <b>ID2:</b> 2404300156 <b>STATUS:</b> FRS <b>PHONE:</b></p>
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**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110007260061
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	FRS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	AIRS/AFS	<b>PROGRAM ID:</b>	2404300156
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	AIRS/AFS
<b>LAST REPORTED:</b>	8/17/1994	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	AIR MINOR - A FACILITY IS CLASSIFIED AS A CLEAN AIR ACT STATIONARY SOURCE MINOR DISCHARGER OF AIR POLLUTANTS IF: (A) POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR; OR (B) MAJOR SOURCE THRESHOLDS ARE NOT DEFINED, OR CLASSIFICATION IS UNKNOWN.		

<b>SITE TYPE:</b>	STATIONARY
<b>INTEREST STATUS:</b>	A
<b>DATA QUALITY:</b>	V
<b>LOCATION DESC:</b>	
<b>ADDRESS TYPE:</b>	DIRECTION
<b>LAST REPORTED:</b>	
<b>POSTED TO DATABASE:</b>	3/1/2000
<b>DATA UPDATED:</b>	2/4/2006 8:48:53 AM
<b>ENTERED PERSON/METHOD:</b>	REFRESH
<b>PARENT REG ID:</b>	
<b>CONFIDENCE IN ADDR:</b>	MEDIUM
<b>ENFORCEMENT SENSITIVE:</b>	N
<b>REQ MANUAL REVIEW:</b>	
<b>REASON MAN REVIEW:</b>	
<b>SMALL BUS POLICY:</b>	
<b>ENFORCEMENT ACTION:</b>	
<b>DATA PUB ACCESS:</b>	Y
<b>INTERNAL SYS ID:</b>	

<b>FEDERAL FACILITY:</b>	N
<b>FEDERAL AGENCY:</b>	
<b>TRIBAL LAND:</b>	
<b>TRIBAL LAND NAME:</b>	
<b>CONGRESSIONAL DIST:</b>	06
<b>LEGISLATIVE DIST:</b>	
<b>HYDROLOGICAL UNTIS:</b>	02070004
<b>EPA REGION:</b>	03
<b>AIRSHED:</b>	
<b>CENSUS BLOCK:</b>	

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 348

**DIST/DIR:** NON GC

**ELEVATION:**

**MAP ID:**

**NAME:** BESTER, HENRY and SONS - MEMORIAL BLV  
**ADDRESS:** POTOMAC STREET and MEMO  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 11/1/06  
**ID1:** 110007260061  
**ID2:** 2404300156  
**STATUS:** FRS  
**PHONE:**

**CONTACT:**  
**SOURCE:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 364      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> CSX ROUNDHOUSE PROPERTY <b>ADDRESS:</b> EAST BURNHAMS BLVD HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> MDE</p>	<p><b>REV:</b> 01/01/12 <b>ID1:</b> 552 <b>ID2:</b> <b>STATUS:</b> NON MASTER LIST <b>PHONE:</b></p>
--	--

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** NON MASTER LIST

**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

ERNS

**SEARCH ID:** 346      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> PVT. CITIZEN <b>ADDRESS:</b> POTOMAC AVE HAGERSTOWN MD 21740  <b>CONTACT:</b> <b>SOURCE:</b> EPA	<b>REV:</b> 1/28/93 <b>ID1:</b> 304106 <b>ID2:</b> <b>STATUS:</b> HIGHWAY RELATED <b>PHONE:</b>
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**SPILL INFORMATION**

**DATE OF SPILL:** 1/28/93      **TIME OF SPILL:** 0900

**PRODUCT RELEASED (1):** OIL, MISC: LUBRICATING  
**QUANTITY (1):** 1  
**UNITS (1):** GAL

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b> NO	<b>GROUNDWATER:</b> NO
<b>LAND:</b> YES	<b>FIXED FACILITY:</b> NO
<b>WATER:</b> NO	<b>OTHER:</b> NO
<b>WATERBODY AFFECTED BY RELEASE:</b> NONE	

**CAUSE OF RELEASE**

<b>DUMPING:</b> NO	<b>EQUIPMENT FAILURE:</b> NO	
<b>NATURAL PHENOMENON:</b> NO	<b>OPERATOR ERROR:</b> NO	
<b>OTHER CAUSE:</b> NO	<b>TRANSP. ACCIDENT:</b> YES	
<b>UNKNOWN:</b> NO		

**ACTIONS TAKEN:** COUNTY RECOVERED WITH SORBENTS.  
**RELEASE DETECTION:** AUTOMOBILE  
**MISC. NOTES:**

**DISCHARGER INFORMATION**

<b>DISCHARGER ID:</b> 304106 <b>TYPE OF DISCHARGER:</b> PUBLIC UTILITY <b>NAME OF DISCHARGER:</b> PVT. CITIZEN <b>ADDRESS:</b> 1531 CRESTVIEW AVE. HAGERSTOWN MD 21740	<b>DUN and BRADSTREET :</b>
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## Environmental FirstSearch Site Detail Report

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

<b>SEARCH ID:</b> 345	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
<b>NAME:</b> MD-SHA BRIDGE 2112003		<b>REV:</b> 1/10/12	
<b>ADDRESS:</b> I-70 EB and ANTIETAM CREEK FUNKSTOWN MD 21740 WASHINGTON		<b>ID1:</b> MDR000513788	
<b>CONTACT:</b>		<b>ID2:</b>	
<b>SOURCE:</b> EPA		<b>STATUS:</b> SGN	
		<b>PHONE:</b>	

**SITE INFORMATION**

**CONTACT INFORMATION:** TAD DANIEL  
N CALVERT ST  
BALTIMORE MD 21202

**PHONE:** 443-465-8920

**OWNER NAME:** TAD DANIEL  
**OWNER TYPE:** S-STATE  
**OPERATOR:** TAD DANIEL  
**OPERATOR TYPE:** S-STATE  
**MAILING ADDRESS:** 707 N CALVERT ST  
BALTIMORE, MD 21202

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 08/10/2005

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000
<b>KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>	S-STATE	<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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<b>SEARCH ID:</b> 345	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
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<b>NAME:</b> MD-SHA BRIDGE 2112003	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> I-70 EB and ANTIETAM CREEK FUNKSTOWN MD 21740 WASHINGTON	<b>ID1:</b> MDR000513788
<b>CONTACT:</b>	<b>ID2:</b>
<b>SOURCE:</b> EPA	<b>STATUS:</b> SGN
	<b>PHONE:</b>

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23731 - HIGHWAY, STREET, AND BRIDGE CONSTRUCTION  
23412 - BRIDGE AND TUNNEL CONSTRUCTION

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

D008 - Lead

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 344      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> MD SHA BRIDGE 2101403 <b>ADDRESS:</b> US 40 EB OVER ANTIETAM CREEK HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 1/10/12 <b>ID1:</b> MDR000525134 <b>ID2:</b> <b>STATUS:</b> LGN <b>PHONE:</b></p>
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**SITE INFORMATION**

**CONTACT INFORMATION:** RYAN M HUGHES  
707 N CALVERT ST  
BALTIMORE MD 21202

**PHONE:** 4105458435

**OWNER NAME:** MARYLAND STATE HIGHWAY ADMINISTRATION  
**OWNER TYPE:** S-STATE  
**OPERATOR:** MARYLAND STATE HIGHWAY ADMINISTRATION  
**OPERATOR TYPE:** S-STATE  
**MAILING ADDRESS:** 707 N CA

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 04/04/2011

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	LQG - LARGE QUANTITY GENERATORS: GENERATES MORE THAN 1000
<b>KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>	S-STATE	<b>SHORT TERM GEN:</b>	Y
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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<b>SEARCH ID:</b> 344	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
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<b>NAME:</b> MD SHA BRIDGE 2101403	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> US 40 EB OVER ANTIETAM CREEK HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> MDR000525134
<b>CONTACT:</b>	<b>ID2:</b>
<b>SOURCE:</b> EPA	<b>STATUS:</b> LGN
	<b>PHONE:</b>

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92612 - REGULATION AND ADMINISTRATION OF TRANSPORTATION PROGRAMS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

D008 - Lead

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

**SEARCH ID:** 343      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> CITY OF HAGERSTOWN LIGHT DEPT <b>ADDRESS:</b> 425 EAST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b> EPA</p>	<p><b>REV:</b> 1/10/12 <b>ID1:</b> MDD000621375 <b>ID2:</b> <b>STATUS:</b> SGN <b>PHONE:</b></p>
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**SITE INFORMATION**

**CONTACT INFORMATION:** PAUL A SCHETROMPF SR  
E BALTIMORE ST  
HAGERSTOWN MD 21740

**PHONE:** 3017902600

**OWNER NAME:** CITY OF HAGERSTOWN LIGHT DEPT  
**OWNER TYPE:** M-MUNICIPAL  
**OPERATOR:** CITY OF HAGERSTOWN LIGHT DEPT  
**OPERATOR TYPE:** M-MUNICIPAL  
**MAILING ADDRESS:** 425 E BALTIMORE S

**UNIVERSE INFORMATION:**

**RECEIVED DATE:** 02/26/2010

**SUBJECT TO CORRECTIVE ACTION (SUBJCA)**

<b>SUBJCA:</b>	N - NO
<b>SUBJCA TSD 3004:</b>	N - NO
<b>SUBJCA NON TSD:</b>	N - NO
<b>SIGNIFICANT NON-COMPLIANCE(SNC):</b>	N - NO
<b>BEGINNING OF THE YEAR SNC:</b>	
<b>PERMIT WORKLOAD:</b>	----
<b>CLOSURE WORKLOAD:</b>	----
<b>POST CLOSURE WORKLOAD:</b>	----
<b>PERMITTING /CLOSURE/POST-CLOSURE PROGRESS:</b>	----
<b>CORRECTIVE ACTION WORKLOAD:</b>	N - NO
<b>GENERATOR STATUS:</b>	SQG - SMALL QUANTITY GENERATOR; GENERATES 100 - 1000
<b>KG/MONTH OF HAZARDOUS WASTE</b>	

<b>INSTITUTIONAL CONTROL:</b>	N-NO	<b>ENGINEERING CONTROL:</b>	N
<b>HUMAN EXPOSURE:</b>	N-NO	<b>GW CONTROLS:</b>	N- NO
<b>LAND TYPE:</b>	M-MUNICIPAL	<b>SHORT TERM GEN:</b>	N
<b>TRANS FACILITY:</b>	N	<b>REC WASTE FROM OFF SITE:</b>	N
<b>IMPORTER ACTIVITY:</b>	N - NO	<b>MIXED WASTE GEN:</b>	N - NO
<b>TRANS ACTIVITY:</b>	N - NO	<b>TSD ACTIVITY:</b>	N - NO
<b>RECYCLER ACTIVITY:</b>	N - NO	<b>ONSITE BURNER EXEMPT:</b>	N - NO
<b>FURNACE EXEMPTION:</b>	N - NO	<b>UNDER INJECT ACTIVITY:</b>	N - NO
<b>REC WASTE FROM OFF SITE:</b>	N - NO	<b>UNIV WASTE DEST FAC:</b>	N
<b>USED OIL TRANS:</b>	N - NO	<b>USED OIL PROCESSOR:</b>	N - NO
<b>USED OIL REFINER:</b>	N - NO	<b>USED OIL FUEL BURNER:</b>	N - NO
<b>UO FUEL MARKETER TO BURNER:</b>	N	<b>USED OIL SPEC MARKETER:</b>	N - NO

**NAIC INFORMATION**

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

RCRAGN

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<b>SEARCH ID:</b> 343	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
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<b>NAME:</b> CITY OF HAGERSTOWN LIGHT DEPT	<b>REV:</b> 1/10/12
<b>ADDRESS:</b> 425 EAST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> MDD000621375
<b>CONTACT:</b>	<b>ID2:</b>
<b>SOURCE:</b> EPA	<b>STATUS:</b> SGN
	<b>PHONE:</b>

---

2211 - ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION  
92119 - OTHER GENERAL GOVERNMENT SUPPORT

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**HAZARDOUS WASTE INFORMATION:**

D000  
D001 - Ignitable waste  
D002 - Corrosive waste  
D003 - Reactive waste

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

NFRAP

**SEARCH ID:** 342      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> HAGERSTOWN LIGHT and HEAT CO	<b>REV:</b> 4/30/12
<b>ADDRESS:</b> WEST WASHINGTON ST HAGERSTOWN MD 21740	<b>ID1:</b> MDD981115124
	<b>ID2:</b> 0300400
	<b>STATUS:</b> NFRAP-N
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**DESCRIPTION:**  
(MD-247)

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		12/1/1986
DISCOVERY	EPA Fund-Financed		7/7/1986
PRELIMINARY ASSESSMENT	State, Fund Financed		12/1/1986

NFRAP: NO FURTHER REMEDIAL ACTION PLANNED

NFRAP

**SEARCH ID:** 341      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> CENTRAL CHEMICAL WAREHOUSE	<b>REV:</b> 4/30/12
<b>ADDRESS:</b> E/S SUMMIT AVE HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> MDN000305924
	<b>ID2:</b> 0305924
	<b>STATUS:</b> NFRAP-N
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		10/3/2006
DISCOVERY	EPA Fund-Financed		3/4/2003
PRELIMINARY ASSESSMENT HIGHER PRIORITY FOR FURTHER ASSESSMENT	State, Fund Financed	/2-03-4/16	6/6/2003
SITE INSPECTION	State, Fund Financed	20-03-6/6/	10/3/2006

NFRAP: NO FURTHER REMEDIAL ACTION PLANNED

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

**SEARCH ID:** 423      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** SOUTH MONT VALLA  
**ADDRESS:** SOUTH END OF MONT VALLA  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 12179  
**ID2:** 12179  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**SITE INFORMATION:**

Y= YES    N=NO    U=UNKNOWN

**GRANT RECIPIENT:** HAGERSTOWN, CITY OF  
**TYPE OF GRANT:** ASSESSMENT  
**TYPE OF FUNDING:** N/A  
**ACRES PROPERTY ID:** 12179  
**PROPERTY SIZE (ACRES):** 8.8  
**LOCAL PROPERTY NUMBER:**  
**OWNERSHIP ENTITTY:**  
**CURRENT OWNER:**  
**DID OWNERSHIP CHANGE:**  
**SUPERFUND LANDOWNER LIABILITY CHANGE:**  
**PAST USE GREENSPACE (ACRES):**  
**PAST USE RESIDENTIAL(ACRES):**  
**PAST USE COMMERCIAL (ACRES):**  
**PAST USE INDUSTRIAL (ACRES):**

**CONTAMINATION FOUND**

**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**CONTAMINATION CLEANED UP:**

**CLEANUP REQUIRED:** N  
**PETROLEUM:**  
**ASBESTOS:**  
**VOCs:**  
**OTHER METALS:**  
**OTHER:**  
**OTHER DESCRIPTION:**

**CONTROLLED SUBSTANCES:**  
**PCBs:**  
**LEAD:**  
**PAHs:**

**MEDIA AFFECTED**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**  
**NO MEDIA:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**  
**UNKNOWN:**

**MEDIA CLEANED:**

**SOIL:**  
**SURFACE WATER:**  
**DRINKING WATER:**

**AIR:**  
**GROUND WATER:**  
**SEDIMENTS:**

**STATE OR TRIBAL PROGRAM:**  
**NFA/CLEANUP COMPL ISSUED:**

**STATE/TRIBAL ID:**  
**DATE ENROLLED IN PROG:**

- Continued on next page -

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FEDBF

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**SEARCH ID:** 423      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

---

**NAME:** SOUTH MONT VALLA  
**ADDRESS:** SOUTH END OF MONT VALLA  
HAGERSTOWN MD 21740

**REV:** 5/1/12  
**ID1:** 12179  
**ID2:** 12179  
**STATUS:** EPA BROWNFIELD  
**PHONE:**

**CONTACT:**  
**SOURCE:** EPA

**INSTITUTIONAL CONTROL INFORMATION (IC)**

**IC REQUIRED:**  
**INFORMATIONAL DEVICES:**  
**ENFORCEMENT/PERMIT TOOLS:**  
**DATE IC IN PLACE:**

**PROPERTY CONTROLS:**  
**GOVERNMENTAL CONTROLS:**  
**IC IN PLACE:** U

**CLEANUP START DATE:**  
**ACRES CLEANED UP:**  
**PROVIDING CLEANUP FUNDS:**  
**REDEVELOP START:**

**CLEANUP COMPLETION:**  
**CLEANUP FUNDING SOURCE:**  
**AMOUNT OF FUNDING:**

**FUTURE USE (acres)**

**GREEN SPACE:**  
**COMMERCIAL:**

**RESIDENTIAL:**  
**INDUSTRIAL:**

**PROPERTY HIGHLIGHTS:**

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

**SEARCH ID:** 361      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> ONE HOUR MARTINIZING	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> 45 POTOMAC ST	<b>ID1:</b> 110038970147
HAGERSTOWN MD 21740	<b>ID2:</b> 2404300134
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> AIRS/AFS	<b>PROGRAM ID:</b> 2404300134
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

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**NIAC INFORMATION**

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FINDS

**SEARCH ID:** 360      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> NEWELL ENTERPRISES	<b>REV:</b> 10/25/11
<b>ADDRESS:</b> EARLEY S INDUSTRIAL PARK	<b>ID1:</b> 110038970174
HAGERSTOWN MD 21740	<b>ID2:</b> 2404300163
WASHINGTON	<b>STATUS:</b> FRS
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> EPA	

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b> AIRS/AFS	<b>PROGRAM ID:</b> 2404300163
<b>FEDERAL FACILITY:</b>	
<b>TRIBAL LAND:</b>	

**SIC INFORMATION**

--  
**NIAC INFORMATION**

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**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

FINDS

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<b>SEARCH ID:</b> 349	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
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**NAME:** BLACK DIAMOND ENERGIES  
**ADDRESS:** PROSPECT ST  
HAGERSTOWN MD 21740

**REV:**  
**ID1:** MD0001262948  
**ID2:**  
**STATUS:**  
**PHONE:**

**CONTACT:**  
**SOURCE:**

RCRIS :  
PCS :  
AFS/AIRS : 2404300275, 240430275  
SSTS :  
CERCLIS :  
NCDB :  
ENF DOCKET :  
CONTR LIST :  
CRIM DOCKET :  
FFIS :  
CICIS :  
STATE :  
PADS :  
TRIS :  
DandB :  
UNKNOWN :

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 373      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> BOWMAN RESIDENCE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 22117 THOMSVILLE ROAD	<b>ID1:</b> 95-1194WA
HAGERSTOWN MD 21740	<b>ID2:</b> 95-1194WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 11/10/1994  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 384      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> FRANKLIN NEILD,JR.RESIDENCE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> WASHINGTON ST	<b>ID1:</b> 91-0903WA
HAGERSTOWN MD 21740	<b>ID2:</b> 91-0903WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 11/1/1990  
**DATE CLOSED:** 11/1/1990

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 383      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> FEDERAL AVIATION SITE	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> OFF HICKSVILLE ROAD	<b>ID1:</b> 98-0754WA
HAGERSTOWN MD 21740	<b>ID2:</b> 98-0754WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	10/7/1997
<b>DATE CLOSED:</b>	10/7/1997

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 382      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> FDIC\OLD COLUMBIA SAVINGS BANK	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> VIRGINIA AVE	<b>ID1:</b> 93-0165WA
HAGERSTOWN MD 21740	<b>ID2:</b> 93-0165WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	7/17/1992
<b>DATE CLOSED:</b>	7/23/1992

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 381      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> EXXON USA GESFORD	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> I-81 MAUGANS AVE	<b>ID1:</b> 5-5034PG
HAGERSTOWN MD 21740	<b>ID2:</b> 5-5034PG
	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 9/18/1984  
**DATE CLOSED:** 6/28/1985

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 380      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> DELAUGHTER PROPERTY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> RT 418	<b>ID1:</b> 91-1638WA
HAGERSTOWN MD 21740	<b>ID2:</b> 91-1638WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 2/22/1991  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 379      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** DARRELL SHEPLEY RESIDENCE  
**ADDRESS:** PO BOX 320B, RT 9  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 9-0880WA  
**ID2:** 9-0880WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 11/9/1988

**DATE CLOSED:** 10/3/1995

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 378      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** CUMBERLAND VALLEY TRUCKING  
**ADDRESS:** EAST OAK RIDGE DR  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 95-1790WA  
**ID2:** 95-1790WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 2/3/1995

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 377      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** CSX CORP RAILROAD YARD  
**ADDRESS:** JAMISON YD HUMP  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 8-0593WA  
**ID2:** 8-0593WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 12/3/1987  
**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 376      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** CITY OF HAGERSTOWN PUMP STA. 15  
**ADDRESS:** OFF NOLAND AVE  
HAGERSTOWN MD 21740  
WASHINGTON

**REV:** 02/01/12  
**ID1:** 99-2922WA  
**ID2:** 99-2922WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:** NO  
**CLEANUP:**  
**SECTION:** B-BELOW GROUND (RELEASE)  
**CODE DESCRIPTION:** B-8-Tank Closure Motor/Lube Oil  
**DATE OPEN:** 6/9/1999  
**DATE CLOSED:** 6/9/1999

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

**FINDS**

**SEARCH ID:** 362      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<p><b>NAME:</b> <b>ADDRESS:</b> POTOMAC HEIGHTS ELEM SCHOOL, HAGERSTOWN HAGERSTOWN MD WASHINGTON <b>CONTACT:</b> <b>SOURCE:</b></p>	<p><b>REV:</b> 9/12/05 <b>ID1:</b> 110020910987 <b>ID2:</b> <b>STATUS:</b> FRS <b>PHONE:</b></p>
---	--

**FACILITY REGISTRATION INFORMATION:**

<b>PROGRAM:</b>	FRS	<b>PROGRAM ID:</b>	110020910987
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	4/18/2005 10:52:51 AM
<b>AGENCY INT QUAL:</b>		<b>INTEREST ENDED:</b>	
<b>INT END QUAL:</b>		<b>SOURCE OF DATA:</b>	AIRS/AQS
<b>LAST REPORTED:</b>	4/18/2005 10:52:54 AM	<b>LAST EXTRACTED:</b>	
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	FACILITY -		

<b>PROGRAM:</b>	AIRS/AQS	<b>PROGRAM ID:</b>	240430001
<b>PROVIDED BY:</b>	FEDERAL AGENCY	<b>AGENCY INTERESTED:</b>	1/1/1977
<b>AGENCY INT QUAL:</b>	MONITORING START DATE	<b>INTEREST ENDED:</b>	1/1/1979
<b>INT END QUAL:</b>	MONITORING END DATE	<b>SOURCE OF DATA:</b>	AIRS/AQS
<b>LAST REPORTED:</b>		<b>LAST EXTRACTED:</b>	4/18/2005 10:52:54 AM
<b>ENFORCEMENT ACT:</b>			
<b>REG PROGRAM:</b>	AIR QUALITY MONITOR -		

**SITE TYPE:** MONITORING STATION  
**INTEREST STATUS:** A  
**DATA QUALITY:** mNmZ  
**LOCATION DESC:**  
**ADDRESS TYPE:** IRREGULAR  
**LAST REPORTED:**  
**POSTED TO DATABASE:** 4/18/2005 10:52:54 AM  
**DATA UPDATED:**  
**ENTERED PERSON/METHOD:** REFRESH  
**PARENT REG ID:**  
**CONFIDENCE IN ADDR:**  
**ENFORCEMENT SENSITIVE:**  
**REQ MANUAL REVIEW:**  
**REASON MAN REVIEW:**  
**SMALL BUS POLICY:**  
**ENFORCEMENT ACTION:**  
**DATA PUB ACCESS:** Y  
**INTERNAL SYS ID:**

**FEDERAL FACILITY:**  
**FEDERAL AGENCY:**  
**TRIBAL LAND:**  
**TRIBAL LAND NAME:**  
**CONGRESSIONAL DIST:**  
**LEGISLATIVE DIST:**  
**HYDROLOGICAL UNTIS:**  
**EPA REGION:** 03  
**AIRSHED:**  
**CENSUS BLOCK:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 374      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** BROOK LANE PSYCHIATRIC CTR  
**ADDRESS:** RT 5  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 7-0735WA  
**ID2:** 7-0735WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 10/21/1986

**DATE CLOSED:** 1/16/1987

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 363      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> CENTRAL CHEMICAL WAREHOUSE	<b>REV:</b> 01/01/12
<b>ADDRESS:</b> SUMMIT AVE BETWEEN MEMORIAL BLVD AND SYCAMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 849
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> NON MASTER LIST
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** NON MASTER LIST

**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** Yes

**PESTICIDES IN SOIL:** Yes

**PCBs IN SOIL:** No

**PAHs IN SOIL:** Yes

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 372      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> ATandT	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> ROUTE 58	<b>ID1:</b> 95-0011WA
CEARFOSS MD 21740	<b>ID2:</b> 95-0011WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 7/1/1994  
**DATE CLOSED:** 12/13/1994

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 371      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> ARA/SMITH S BROS TRANSFER CORP	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> STOTLER RD, and PO BOX 1184	<b>ID1:</b> 9-1689WA
HAGERSTOWN MD 21740	<b>ID2:</b> 9-1689WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

**STATUS:** CLOSED  
**RELEASE:**  
**CLEANUP:**  
**SECTION:**  
**CODE DESCRIPTION:**  
**DATE OPEN:** 6/6/1989  
**DATE CLOSED:** 6/6/1989

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 370      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** AMOCO  
**ADDRESS:** DUAL HWY  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 9-0889WA  
**ID2:** 9-0889WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:**

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 369      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

**NAME:** ACT OIL CO  
**ADDRESS:** HOPEWELL ROAD and HALFWAY BLVD  
HAGERSTOWN MD 21740

**REV:** 02/01/12  
**ID1:** 8-0751WA  
**ID2:** 8-0751WA  
**STATUS:** CLOSED  
**PHONE:**

**CONTACT:**  
**SOURCE:** MDE

**LEAK INFORMATION**

**STATUS:** CLOSED

**RELEASE:**

**CLEANUP:**

**SECTION:**

**CODE DESCRIPTION:**

**DATE OPEN:** 11/17/1987

**DATE CLOSED:**

The Maryland Department of the Environment provides the most up to date info online at:

[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)



**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 368      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> ACandT CO./HALFWAY BLVD FUEL CNTR	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 11564 HOPEWELL ROAD	<b>ID1:</b> 10-0320WA
HAGERSTOWN MD 21740	<b>ID2:</b> 10-0320WA
WASHINGTON	<b>STATUS:</b> CLOSED
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	YES
<b>CLEANUP:</b>	YES
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-8-Tank Closure Motor/Lube Oil
<b>DATE OPEN:</b>	11/12/2009
<b>DATE CLOSED:</b>	12/17/2009

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 367      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> A.C. and T/GULF STATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> BURHAMS BLVD	<b>ID1:</b> 6-0508WA
HAGERSTOWN MD 21740	<b>ID2:</b> 6-0508WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	4/16/1986
<b>DATE CLOSED:</b>	4/17/1986

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

UST

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<b>SEARCH ID:</b> 366	<b>DIST/DIR:</b> NON GC	<b>ELEVATION:</b>	<b>MAP ID:</b>
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<b>NAME:</b> MAUGANSVILLE PUMP STATION	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> SOUTH MAIN ST MAUGANSVILLE MD 21767	<b>ID1:</b> 3012158
	<b>ID2:</b> 7471
	<b>STATUS:</b> INACTIVE
<b>CONTACT:</b>	<b>PHONE:</b>
<b>SOURCE:</b> MDE	

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**OWNER INFORMATION**

<b>OWNER ID NUMBER:</b>	4438
<b>OWNER NAME:</b>	Washington County Water and Sewer
<b>OWNER ADDRESS:</b>	16232 Elliott Parkway Williamsport MD 21795
<b>OWNER PHONE:</b>	(301) 791-3083
<b>CONTACT:</b>	Cynthia C . Glessner

**TANK INFORMATION**

<b>TANK ID:</b>	1
<b>TANK STATUS:</b>	Permanently Out of Use
<b>TANK CAPACITY:</b>	280
<b>SUBSTANCE:</b>	Diesel
<b>OPERATOR:</b>	Brain Brandt
<b>OPERATOR PHONE:</b>	

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

STATE

**SEARCH ID:** 365      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b>	HAGERSTOWN LIGHT AND HEAT - WASHINGTON ST.	<b>REV:</b>	01/01/12
<b>ADDRESS:</b>	WEST WASHINGTON ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b>	247
<b>CONTACT:</b>		<b>ID2:</b>	
<b>SOURCE:</b>	MDE	<b>STATUS:</b>	STATE MASTER LIST
		<b>PHONE:</b>	

**MD LAND RESTORATION PRORAM SITES**

**ALIAS:**

**PROGRAM DESIGNATION:** STATE MASTER LIST

**FACT SHEET LINK:** No Fact Sheet Available.

**ASSESSMENT ONGOING:** No

**REMEDIAATION ONGIONG:** No

**WITHDRAWN:** No

**DETERMINATION ISSUED:** No

**CHLORINATED SOLVENTS IN GROUND WATER:** No

**PETROLEUM IN GROUND WATER:** No

**METALS IN GROUND WATER:** No

**PESTICIDES IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**PAHs IN GROUND WATER:** No

**PCBs IN GROUND WATER:** No

**CHLORINATED SOLVENTS IN SOIL:** No

**PETROLEUM IN SOIL:** No

**METALS IN SOIL:** No

**PESTICIDES IN SOIL:** No

**PCBs IN SOIL:** No

**PAHs IN SOIL:** No

**CHLORINATED SOLVENTS IN SEDIMENT:** No

**PETROLEUM IN SEDIMENT:** No

**METALS IN SEDIMENT:** No

**PESTICIDES IN SEDIMENT:** No

**PCBs IN SEDIMENT:** No

**PAHs IN SEDIMENT:** No

**CHLORINATED SOLVENTS IN SURFACE WATER:** No

**PETROLEUM IN SURFACE WATER:** No

**METALS IN SURFACE WATER:** No

**PESTICIDES IN SURFACE WATER:** No

**PCBs IN SURFACE WATER:** No

**PAHs IN SURFACE WATER:** No

**Environmental FirstSearch  
Site Detail Report**

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

LUST

**SEARCH ID:** 385      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> HAGERSTOWN HOUSING AUTHORITY	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> 35 WEST BALTIMORE ST HAGERSTOWN MD 21740 WASHINGTON	<b>ID1:</b> 10-0379WA <b>ID2:</b> 10-0379WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	NO
<b>CLEANUP:</b>	NO
<b>SECTION:</b>	B-BELOW GROUND (RELEASE)
<b>CODE DESCRIPTION:</b>	B-9B-Tank Closure Commercial Heating Oil
<b>DATE OPEN:</b>	1/13/2010
<b>DATE CLOSED:</b>	7/15/2010

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

LUST

**SEARCH ID:** 375      **DIST/DIR:** NON GC      **ELEVATION:**      **MAP ID:**

<b>NAME:</b> CARLYLE and MARTIN	<b>REV:</b> 02/01/12
<b>ADDRESS:</b> RT 6 and MUNGS AVE HAGERSTOWN MD 21740	<b>ID1:</b> 8-0166WA <b>ID2:</b> 8-0166WA
<b>CONTACT:</b>	<b>STATUS:</b> CLOSED
<b>SOURCE:</b> MDE	<b>PHONE:</b>

**LEAK INFORMATION**

<b>STATUS:</b>	CLOSED
<b>RELEASE:</b>	
<b>CLEANUP:</b>	
<b>SECTION:</b>	
<b>CODE DESCRIPTION:</b>	
<b>DATE OPEN:</b>	7/27/1987
<b>DATE CLOSED:</b>	8/10/1987

The Maryland Department of the Environment provides the most up to date info online at:  
[http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil\\_Control/RemediationSites/index.aspx](http://www.mde.state.md.us/programs/Land/OilControl/RemediationSites/Pages/Programs/LandPrograms/Oil_Control/RemediationSites/index.aspx)

## Environmental FirstSearch Descriptions

**NPL: EPA NATIONAL PRIORITY LIST** - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

**NPL DELISTED: EPA NATIONAL PRIORITY LIST Subset** - Database of delisted NPL sites. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

DELISTED - Deleted from the Final NPL

**CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)**- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

**NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES** - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

**RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES** - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

**RCRA TSD: EPA** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that treat, store, dispose, or incinerate hazardous waste.

**RCRA GEN: EPA/MA DEP/CT DEP** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

CONNECTICUT HAZARDOUS WASTE MANIFEST – Database of all shipments of hazardous waste within, into or from Connecticut. The data includes date of shipment, transporter and TSD info, and material shipped and quantity. This data is appended to the details of existing generator records.

MASSACHUSETTES HAZARDOUS WASTE GENERATOR – database of generators that are regulated under the MA DEP.

VQN-MA = generates less than 220 pounds or 27 gallons per month of hazardous waste or waste oil.

SQN-MA = generates 220 to 2,200 pounds or 27 to 270 gallons per month of waste oil.

LQG-MA = generates greater than 2,200 lbs of hazardous waste or waste oil per month.

**ERNS: EPA/NRC** EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

**Tribal Lands: DOI/BIA** INDIAN LANDS OF THE UNITED STATES - Database of areas with boundaries established by treaty, statute, and (or) executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian Lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.

BUREAU OF INDIAN AFFIARS CONTACT - Regional contact information for the Bureau of Indian Affairs offices.

**State/Tribal Sites: MDE** VOLUNTARY CLEANUP PROGRAM & STATE MASTER LIST - The Maryland Department of the Environment (MDE) Voluntary Cleanup Program site listing and the Environmental Restoration & Redevelopment Program State Master List

**State Spills 90: MDE** DATABASE OF SPILL CASES – This list is derived from the MDE's Oil Control Program spill listing. The listing contains OCP sites that did not occur below ground and did not originate from an aboveground storage tank leak.

**State/Tribal SWL: MDE** SOLID WASTE ACCEPTANCE (SWA) FACILITIES - All permitted solid waste acceptance facilities such as municipal landfills, rubble landfills, land clearing debris landfills, industrial

landfills, incinerators, medical waste incinerators, special medical waste processing facilities, processing facilities, waste-to-energy facilities and incinerators, and transfer stations.

**State/Tribal LUST:** *MDE* DATABASE OF SPILL CASES – This list is derived from the MDE's Oil Control Program spill listing. The listing contains OCP sites that occurred below ground, from an aboveground storage tank leak, or have a blank status on the OCP listing.

**State/Tribal UST/AST:** *MDE* REGISTERED UNDERGROUND STORAGE TANK DATABASE - Database of registered storage tanks

**State/Tribal VCP:** *MDE* VOLUNTARY CLEANUP PROGRAM - The Maryland Department of the Environment (MDE) Voluntary Cleanup Program site listing

**State/Tribal Brownfields:** *MDEQ* BROWNFIELD LISTING - Sites that are listed as a brownfield site on The Maryland Department of the Environment's (MDE) Internet Mapping Center.

**FINDS:** *EPA* FACILITY INDEX SYSTEM(FINDS)/FACILITY REGISTRY SYSTEM(FRS) - The index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. A Facility Registry System site has an FRS in the status field.

**TRIS:** *EPA* TOXIC RELEASE INVENTORY SYSTEM (TRIS)– Database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

**PADS:** *EPA* DATABASE OF PCB HANDLERS - Database of PolyChlorinatedBiPhenol generators, transporters, storers and/or disposers that are required to register with the EPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

## Environmental FirstSearch Database Sources

**NPL:** *EPA* Environmental Protection Agency

*Updated quarterly*

**NPL DELISTED:** *EPA* Environmental Protection Agency

*Updated quarterly*

**CERCLIS:** *EPA* Environmental Protection Agency

*Updated quarterly*

**NFRAP:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA COR ACT:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA TSD:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA GEN:** *EPA/MA DEP/CT DEP* Environmental Protection Agency, Massachusetts Department of Environmental Protection, Connecticut Department of Environmental Protection

*Updated quarterly*

**ERNS:** *EPA/NRC* Environmental Protection Agency

*Updated annually*

**Tribal Lands:** *DOI/BIA* United States Department of the Interior

*Updated annually*

**State/Tribal Sites:** *MDE* MDE's Maryland Brownfields and Voluntary Cleanup Programs

*Updated annually*

**State Spills 90:** *MDE* MDE's Oil Control Program

*Updated annually*



**State/Tribal SWL:** *MDE* MDE's Solid Waste Program (SWP)

*Updated annually*

**State/Tribal LUST:** *MDE* MDE's Oil Control Program

*Updated annually*

**State/Tribal UST/AST:** *MDE* MDE's Oil Control Program

*Updated annually*

**State/Tribal VCP:** *MDE* MDE's Maryland Brownfields and Voluntary Cleanup Programs

*Updated annually*

**State/Tribal Brownfields:** *MDEQ*

*Updated*

**FINDS:** *EPA* Environmental Protection Agency

*Updated annually*

**TRIS:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**PADS:** *EPA* Environmental Protection Agency

*Updated quarterly*

**RADON:** *NTIS* Environmental Protection Agency, National Technical Information Services

*Updated periodically*

***Environmental FirstSearch***  
***Street Name Report for Streets within .25 Mile(s) of Target Property***

**Target Property:** 100 SUMMIT AVE  
HAGERSTOWN MD 21740

**JOB:** 13-5048

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
Ayers Aly	0.07 SE		
Berger Ave	0.20 SE		
Court Pl	0.09 NE		
Cramer Aly	0.16 SE		
E Antietam St	0.14 NE		
E Baltimore St	0.13 SE		
E Washington St	0.22 NE		
Gerbers Aly	0.16 SE		
Hays Aly	0.21 NE		
Holburn Ave	0.09 NW		
Hood St	0.04 SW		
Library Aly	0.14 NE		
Market Walk	0.20 NE		
N Jonathan St	0.20 NE		
N Potomac St	0.22 NE		
N Prospect St	0.24 NW		
National Pike	0.19 NE		
Public Sq	0.22 NE		
Rochester Pl	0.11 NE		
S Potomac St	0.12 SE		
S Prospect St	0.14 NW		
S Walnut St	0.20 NW		
Smith St	0.25 SE		
South St	0.25 SE		
State Highway 65	0.12 SE		
Summit Ave	0.05 NW		
United States Highwa	0.19 NE		
United States Highwa	0.13 SE		
W Antietam St	0.09 NE		
W Baltimore St	0.07 SW		
W Lee St	0.22 SW		
W Washington St	0.19 NE		
Walnut Ln	0.20 NW		
Wareham Aly	0.24 NE		
Washington St E	0.22 NE		

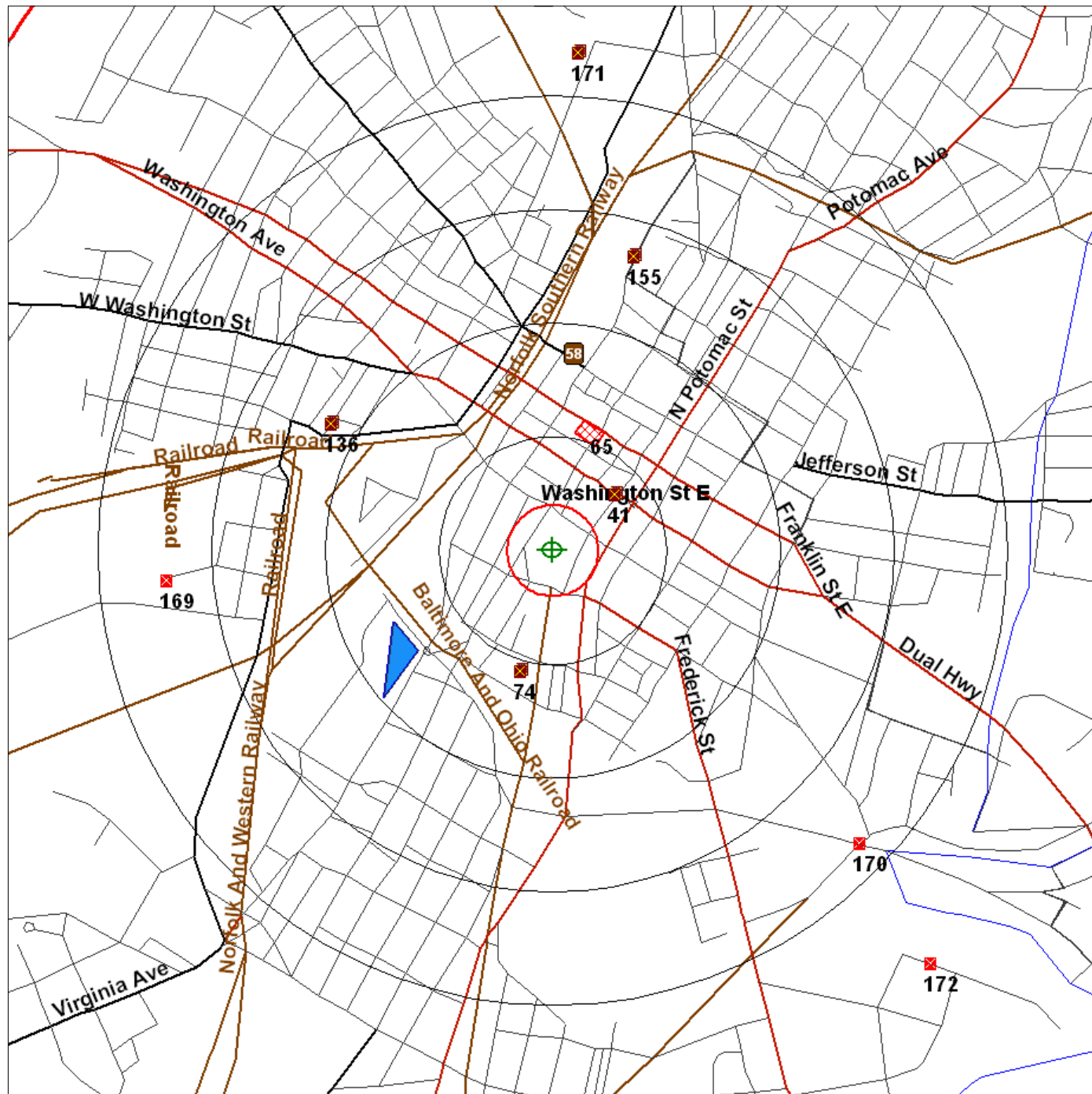


# Environmental FirstSearch

1 Mile Radius  
ASTM Map: NPL, RCACOR, STATE Sites

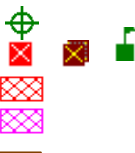


**100 SUMMIT AVE, HAGERSTOWN MD 21740**



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 39.640474 Longitude: -77.723579) .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste .....
- Triballand.....
- Railroads .....
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



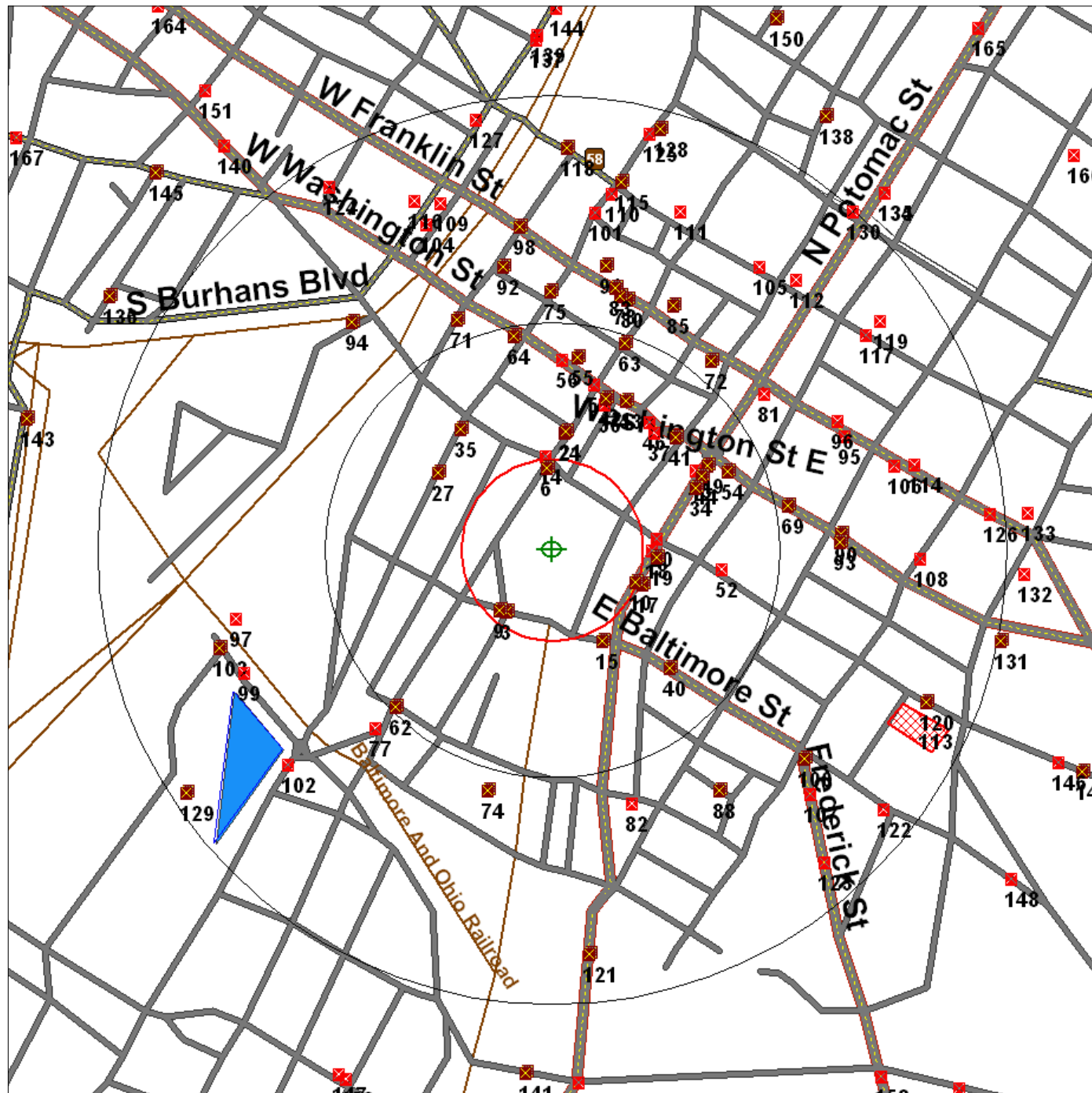


# Environmental FirstSearch

.5 Mile Radius  
ASTM Map: CERCLIS, RCRATSD, LUST, SWL

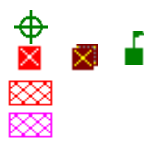


**100 SUMMIT AVE, HAGERSTOWN MD 21740**



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 39.640474 Longitude: -77.723579) .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste .....
- Triballand.....
- Railroads .....
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





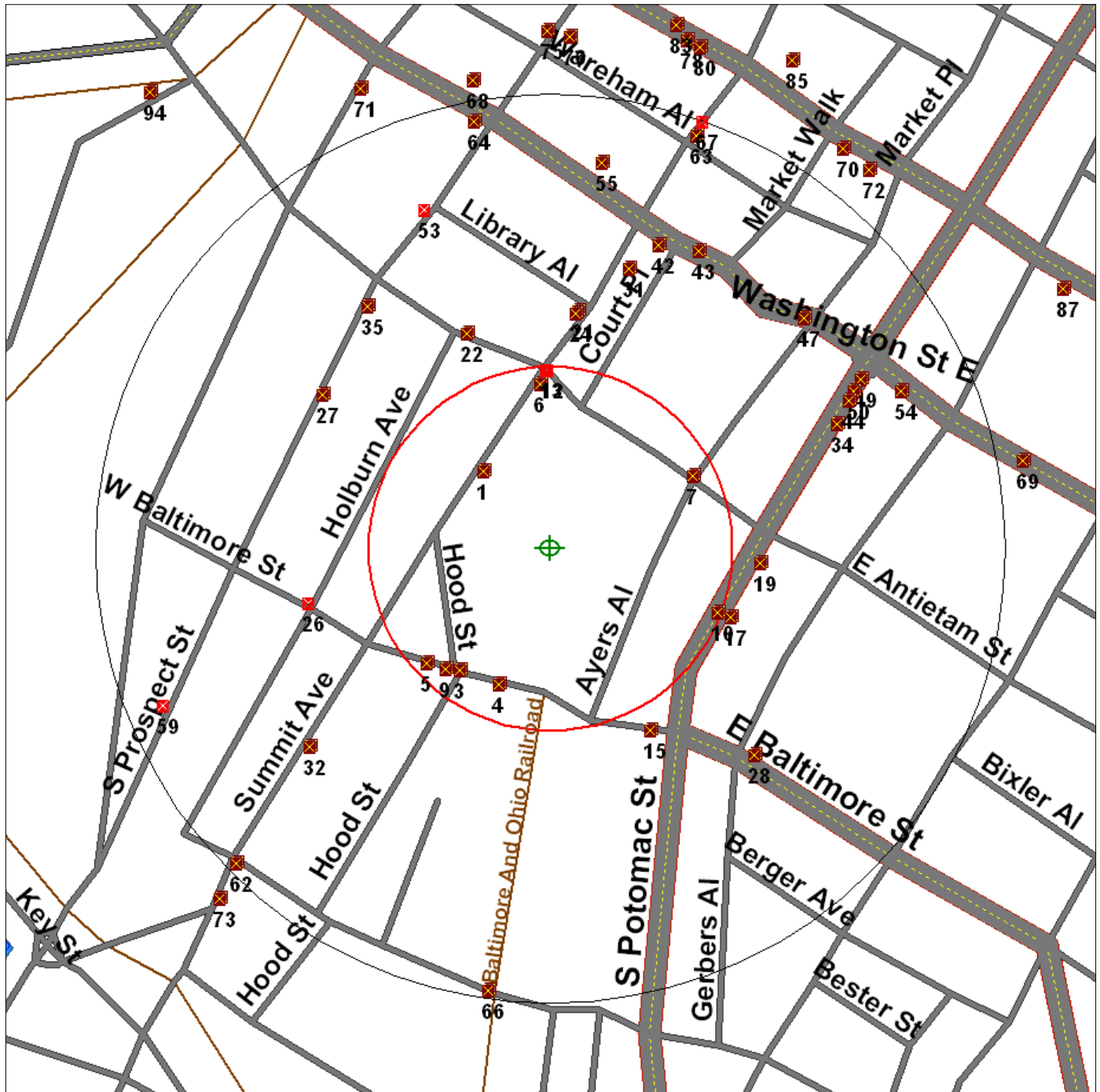
# Environmental FirstSearch

.25 Mile Radius

ASTM Map: RC RAGEN, ERNS, UST, FED IC/EC, METH LABS

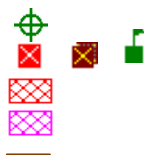


## 100 SUMMIT AVE, HAGERSTOWN MD 21740



Source: 2005 U.S. Census TIGER Files

- Target Site (Latitude: 39.640474 Longitude: -77.723579) .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste .....
- Triballand.....
- Railroads .....
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius





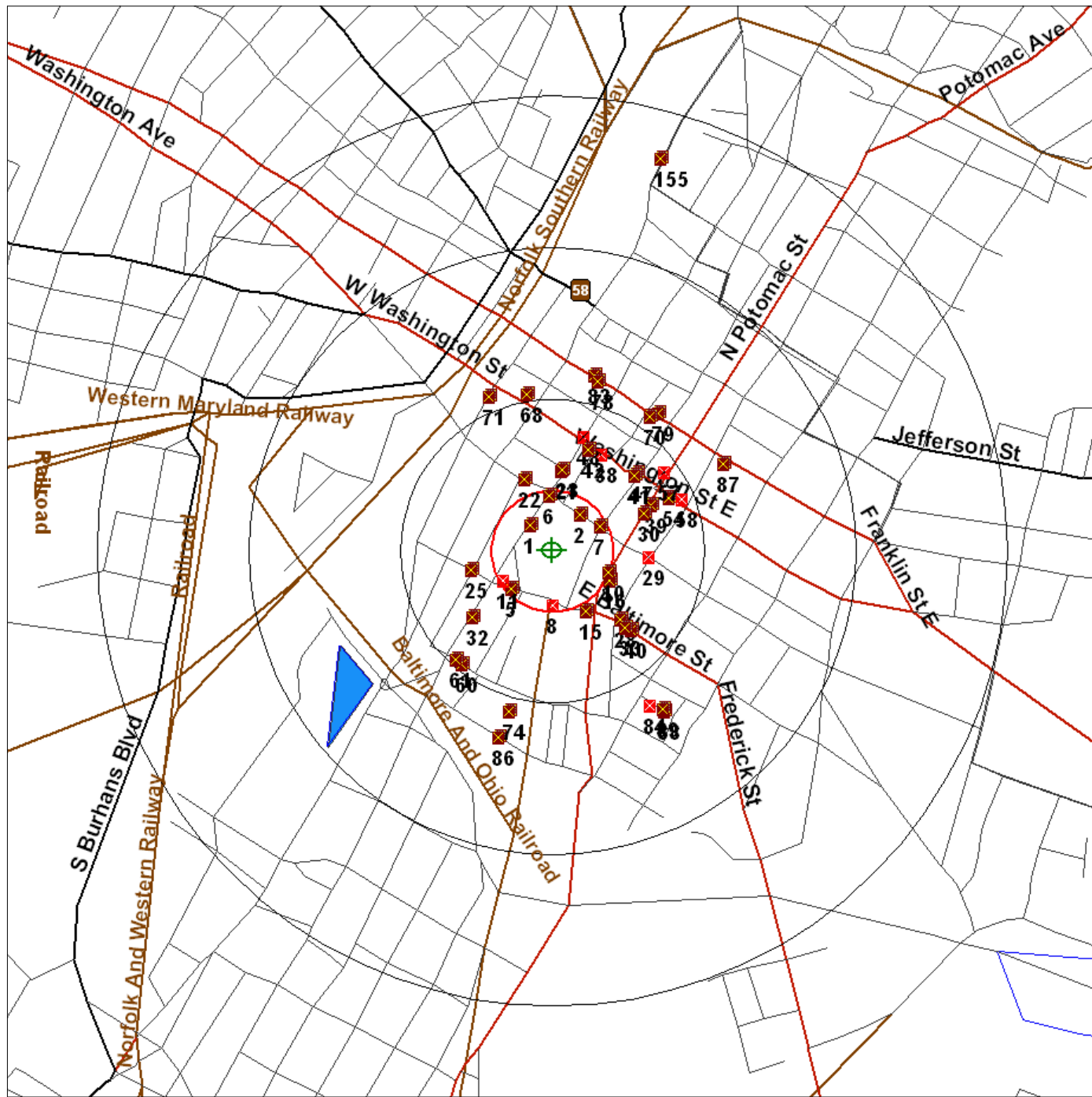
# Environmental FirstSearch

.75 Mile Radius

Non-ASTM Map: FINDS, Brownfield



## 100 SUMMIT AVE, HAGERSTOWN MD 21740



Source: 2005 U.S. Census TIGER Files

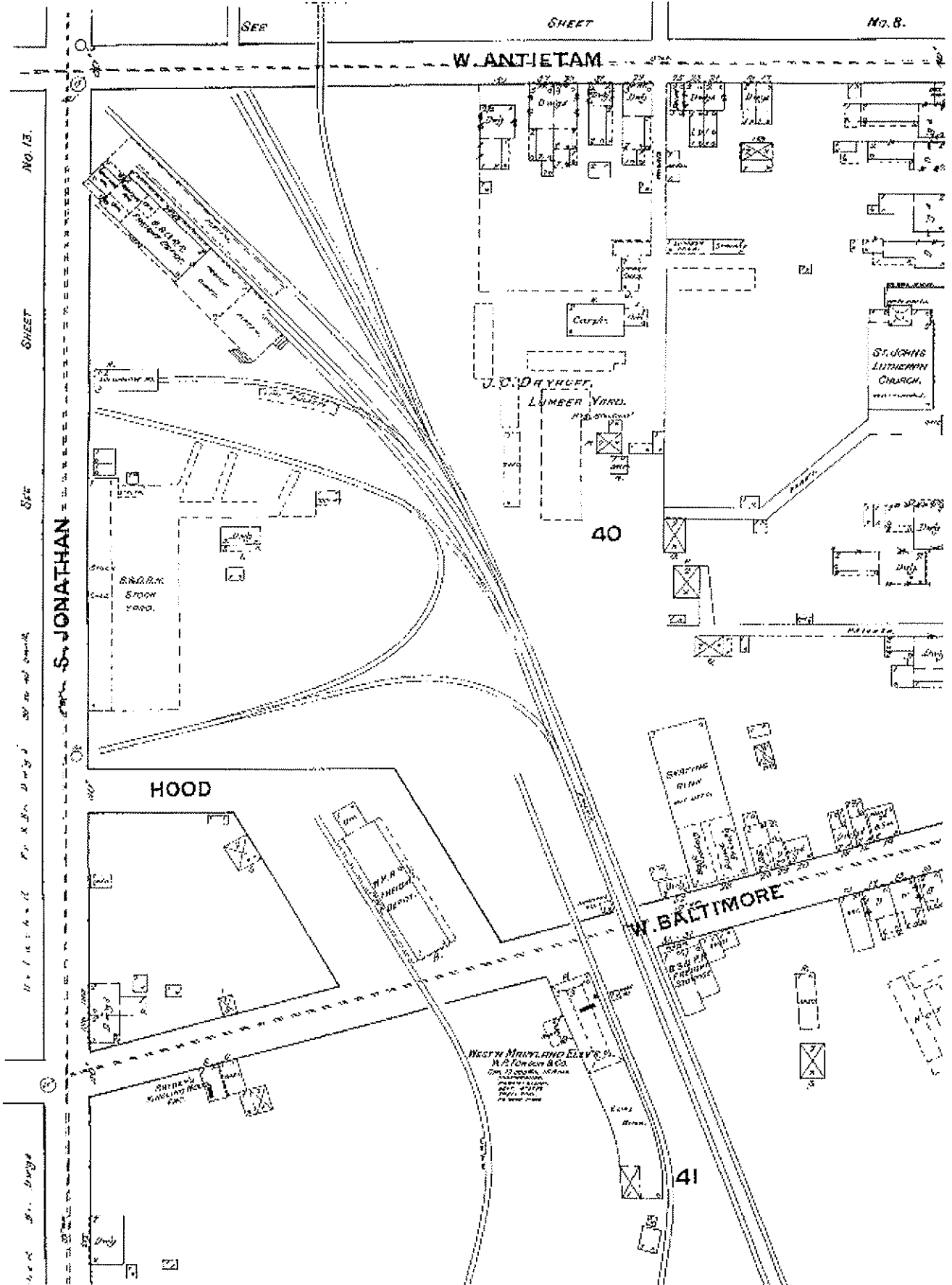
- Target Site (Latitude: 39.640474 Longitude: -77.723579) .....
- Identified Site, Multiple Sites, Receptor .....
- NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste .....
- Triballand.....
- National Historic Sites and Landmark Sites .....
- Railroads .....
- Black Rings Represent 1/4 Mile Radius; Red Ring Represents 500 ft. Radius



**APPENDIX IV**

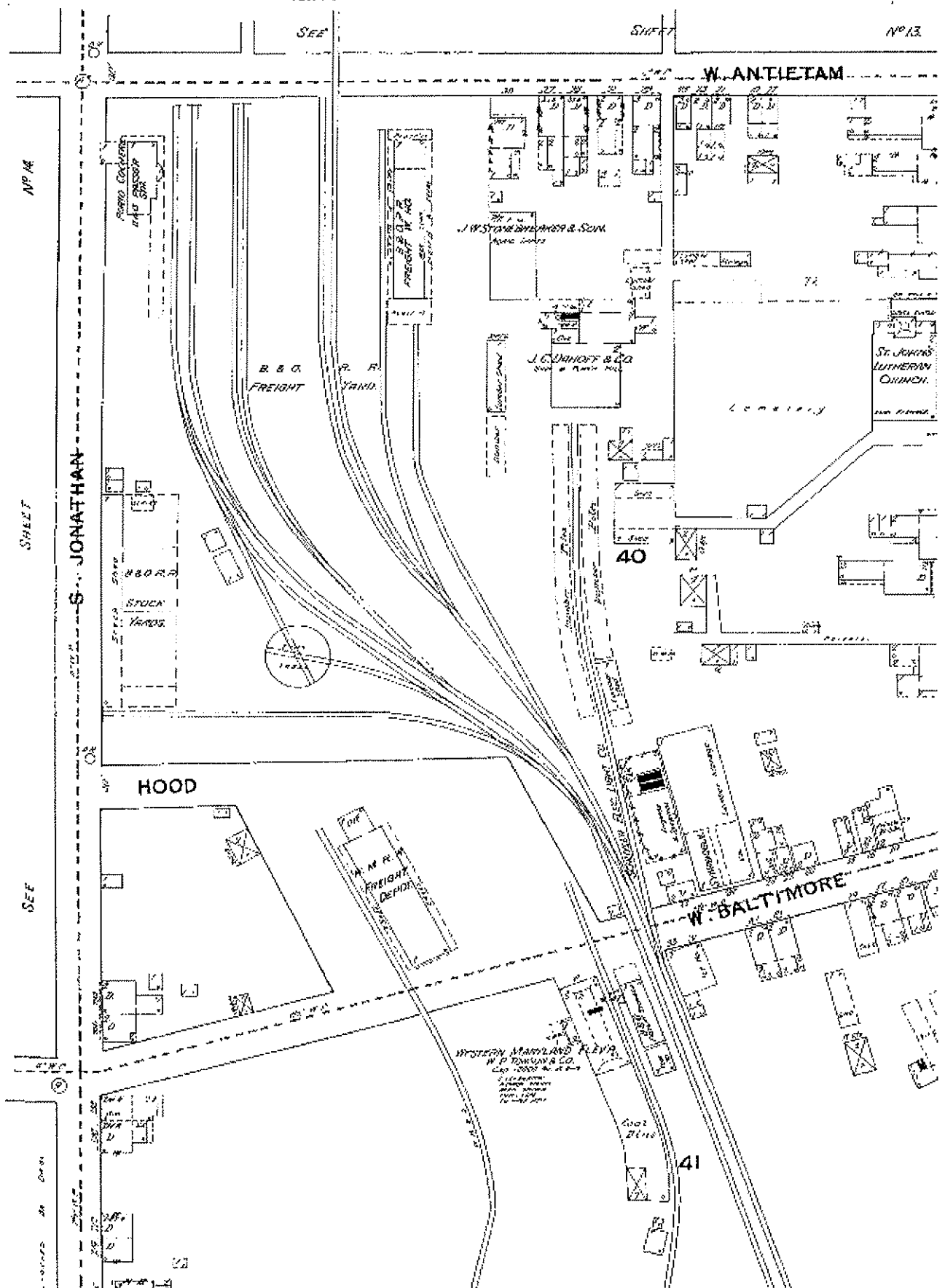
**HISTORICAL RESEARCH DOCUMENTATION**

1887

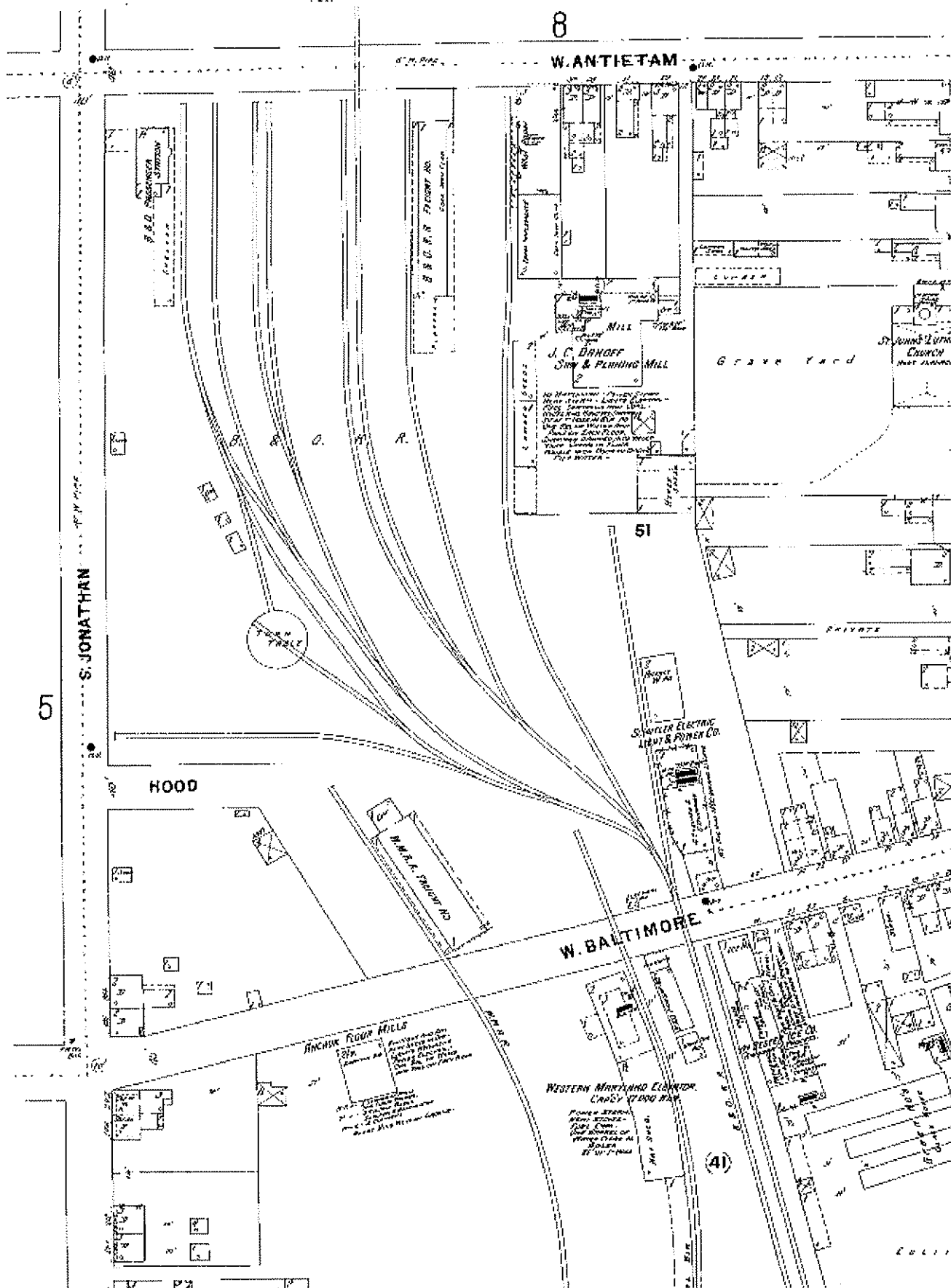




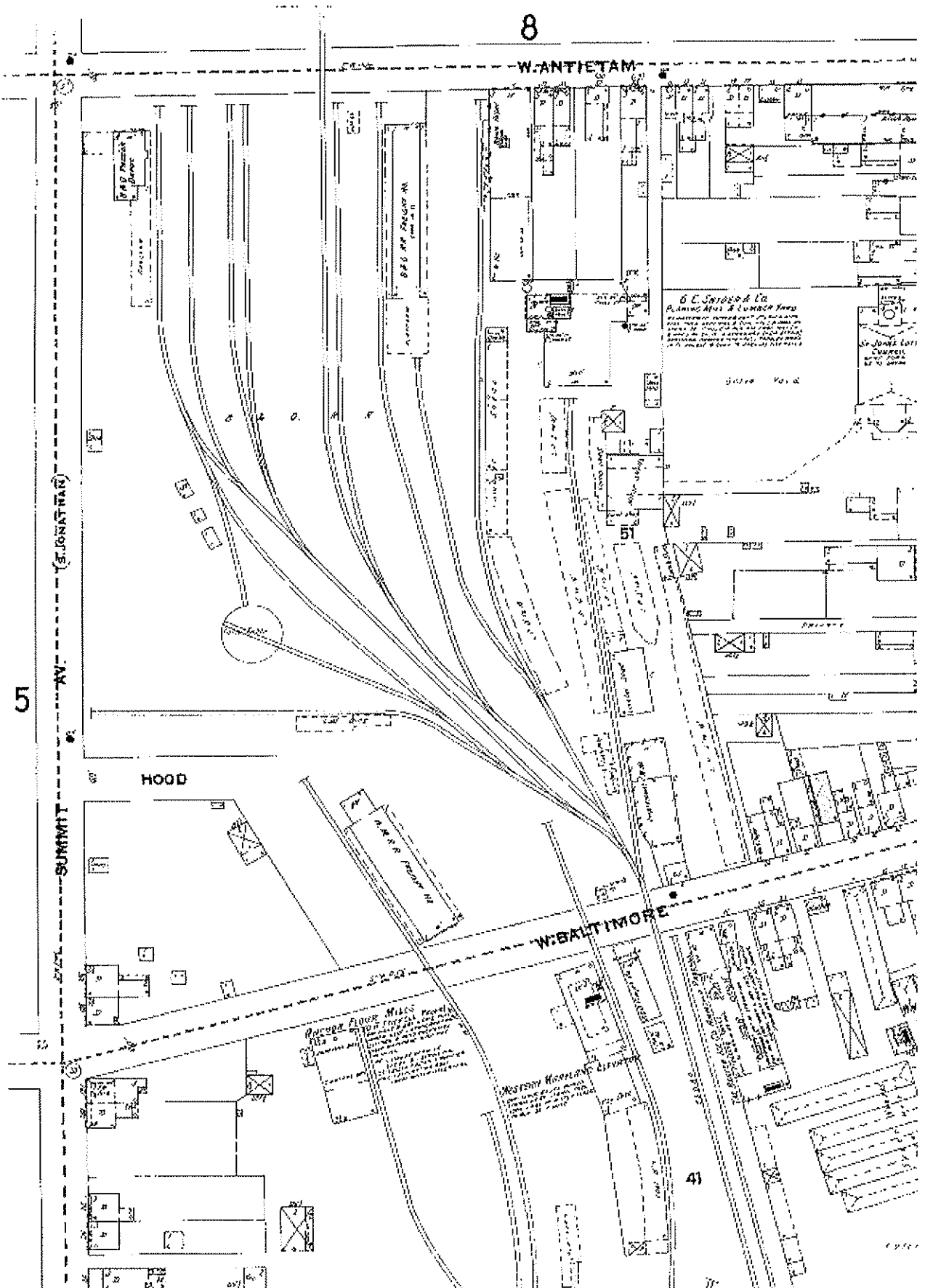
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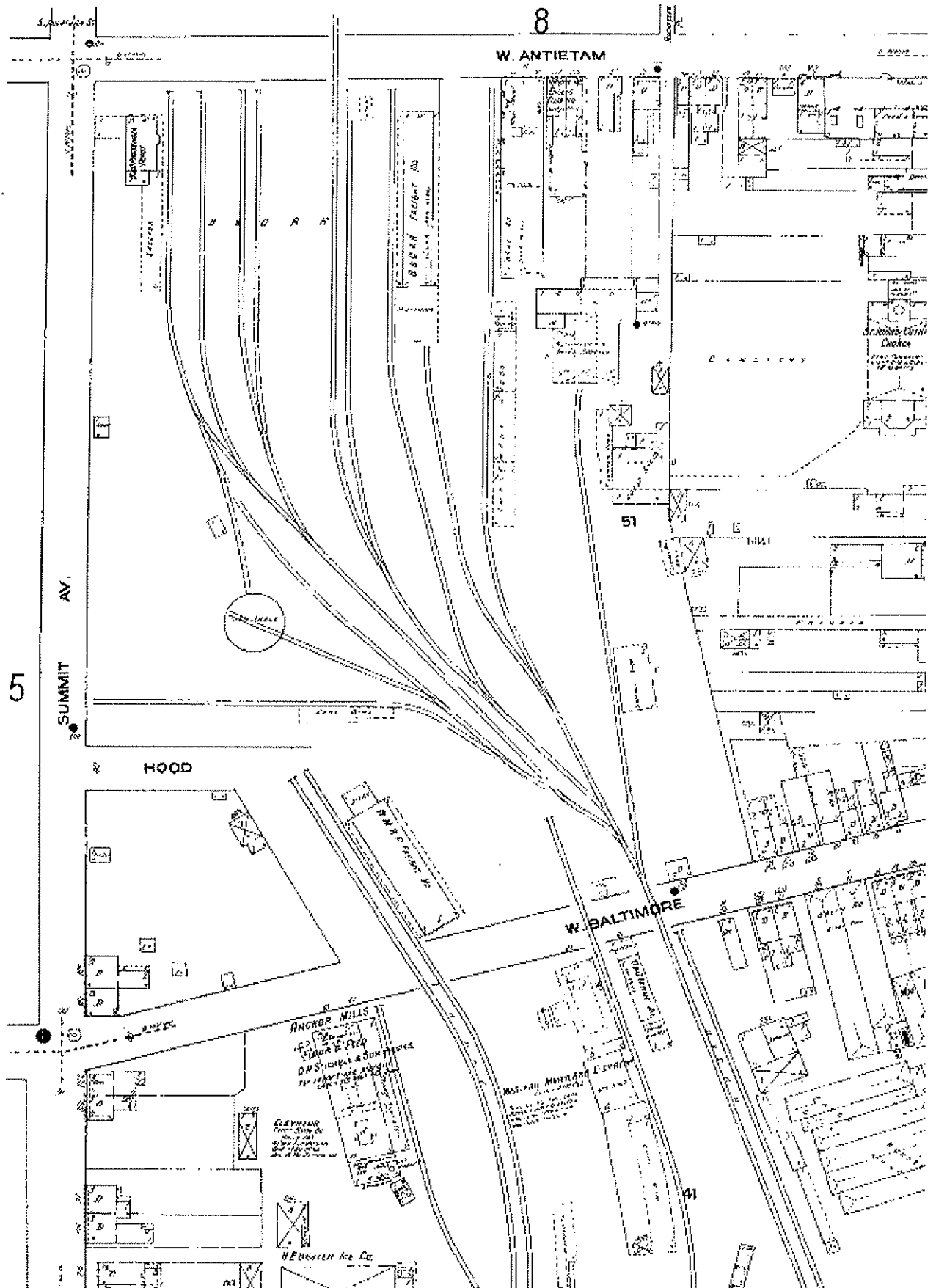
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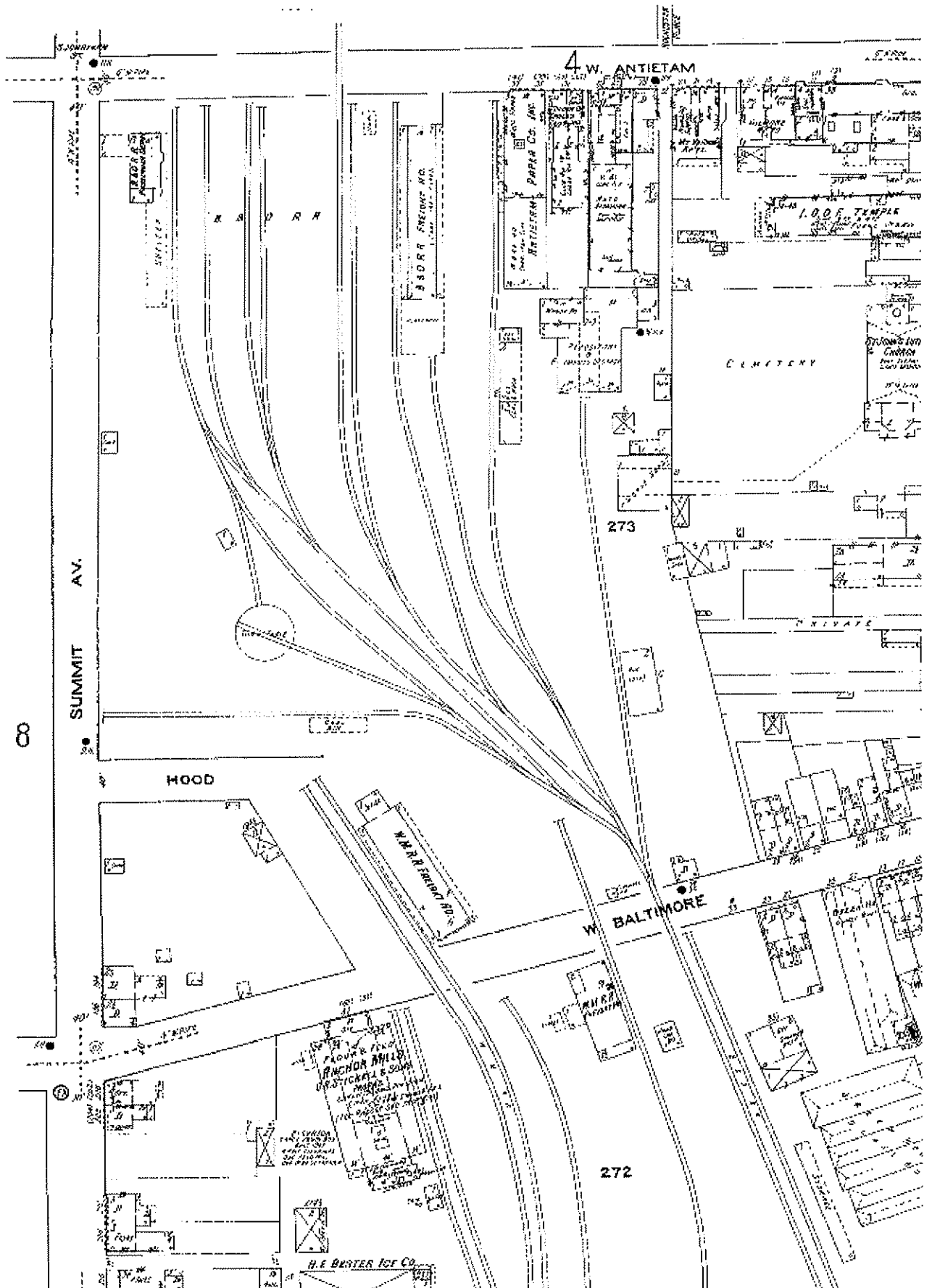
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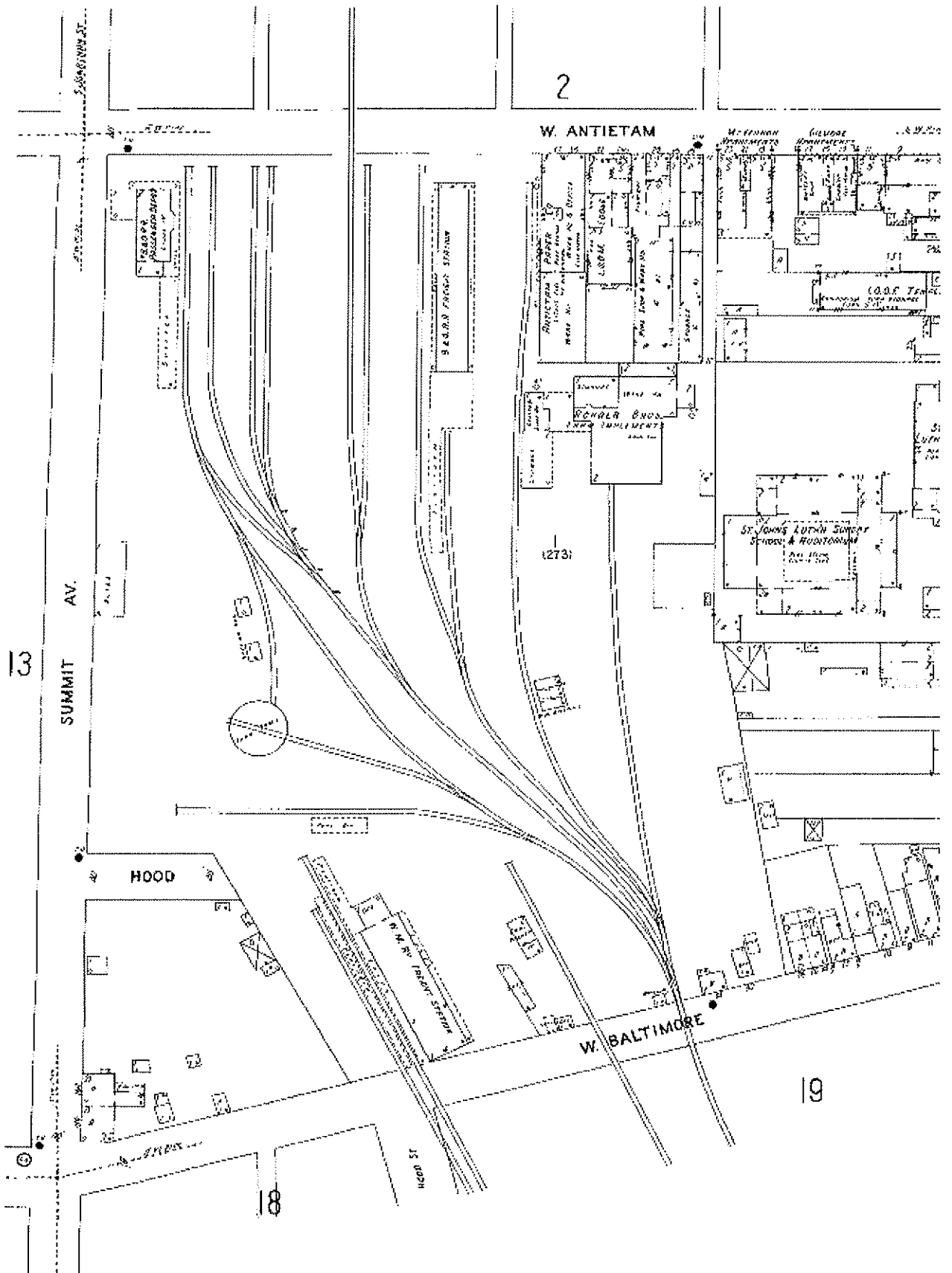


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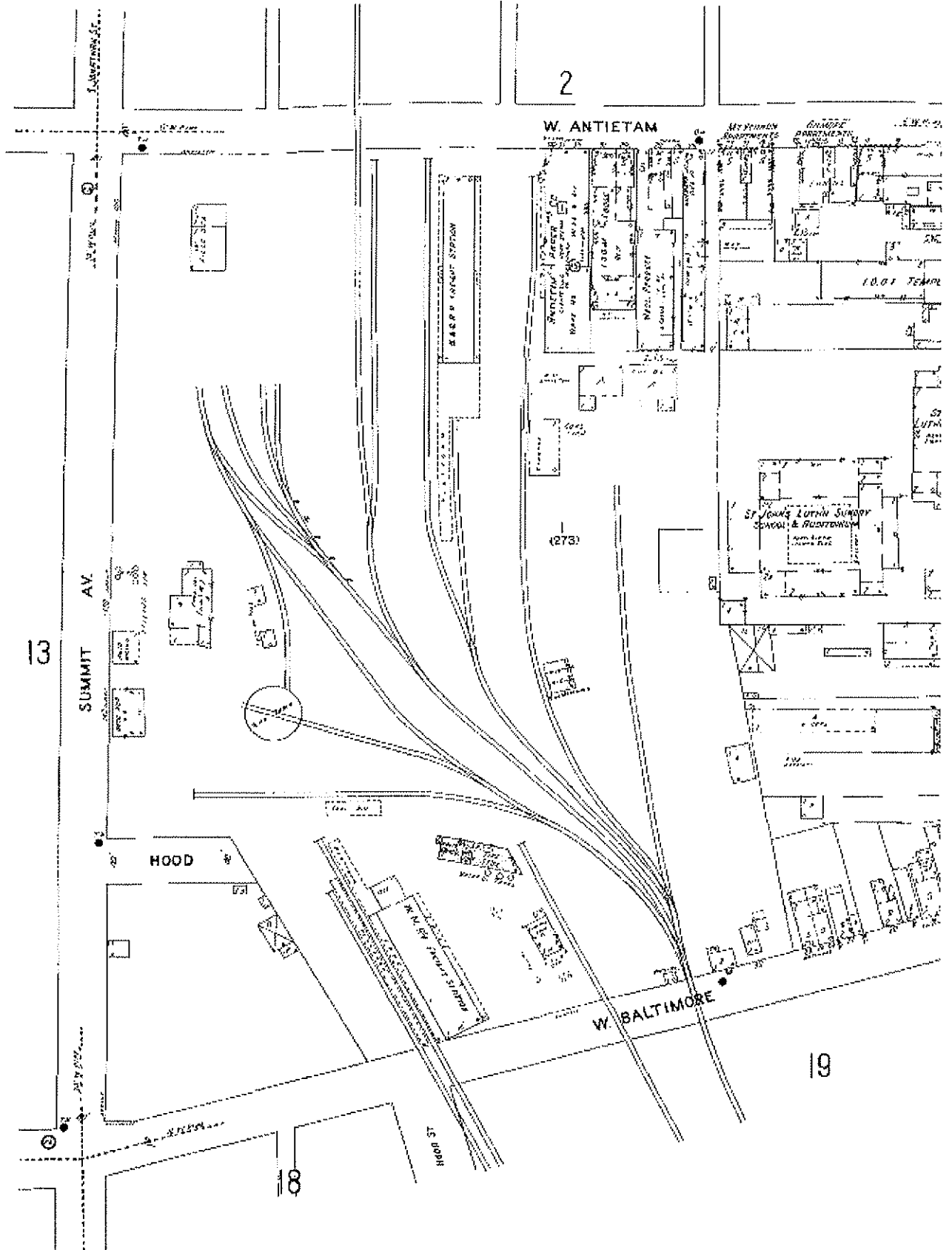


1918





1951





**OFFICE OF THE COUNTY ATTORNEY  
WASHINGTON COUNTY, MARYLAND**

Washington County Administration Building  
100 West Washington Street, Room 202  
Hagerstown, Maryland 21740-4735  
Telephone: 240-313-2230  
FAX: 240-313-2231  
Deaf and Hard of Hearing call: 7-1-1 for Maryland Relay

June 18, 2012

Erik J. Schaberl  
Senior Environmental Scientist  
5112 Pegasus Court; Suite S  
Frederick, Maryland 21704

Re: Public Information Request – ECS Project 13-5048

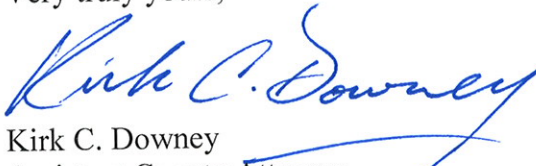
Dear Mr. Schaberl:

We have received your correspondence requesting information related to any use, storage, spillage or generation of hazardous materials, waste or petroleum products at various locations in Hagerstown, Maryland associated with ECS Project 13-5048. Please be advised that there are no documents responsive to your request.

You may want to check with the Maryland Department of the Environment at the Western Maryland Regional Office, phone number 301-689-5756, regarding environmental issues or records.

Please let me know if you have any questions concerning this correspondence.

Very truly yours,

  
Kirk C. Downey  
Assistant County Attorney

KCD/dev







# MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230  
410-537-3000 • 1-800-633-6101 • www.mde.state.md.us

Martin O'Malley  
Governor

Robert M. Summers, Ph.D.  
Secretary

Anthony G. Brown  
Lieutenant Governor

May 30, 2012

Erik Schaberl  
ECS LTD  
5112 Pegasus Court  
Suite S  
Frederick MD 21704

RE: Tracking Number: 2012-50922  
Request Received May 30, 2012

MULTI

Dear Requester:

The Maryland Department of the Environment (MDE) received your recent request for information under the Public Information Act (PIA).

Your request has been assigned the tracking number listed above. Please use this number in all communications referring to this request. Your request has been reviewed and distributed to all appropriate MDE programs. After all programs have completed the search, you will be notified by mail as to whether or not pertinent records exist. If files exist, the notification letter will contain instructions for reviewing the records. Only after you schedule an appointment to review files will the requested files be gathered in preparation for your review.

There may be fees associated with the search whether or not files are located. The PIA fees are limited to standard charges for direct document search, review, duplication, and postage. The first two hours of search are free of charge. If your request did not indicate a willingness to pay fees, you will be notified only if the fees are likely to exceed \$25.

When requesting information regarding this request, please cite the tracking number referenced above. If you have any questions, please call me at (410) 537-3422.

Sincerely,

Maria Stephens  
PIA Liaison  
Land Management Administration





**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

1800 Washington Boulevard • Baltimore MD 21230  
410-537-3000 • 1-800-633-6101 • www.mde.state.md.us

Martin O'Malley  
Governor

Robert M. Summers, Ph.D.  
Secretary

Anthony G. Brown  
Lieutenant Governor

June 13, 2012

Erik Schaberl  
ECS LTD  
5112 Pegasus Court  
Suite S  
Frederick MD 21704

RE: Tracking Number: 2012-50922  
Request Received May 30, 2012

MULTI

Dear Requester:

The Maryland Department of the Environment (MDE) received your recent request for information under the Public Information Act (PIA).

The Land Management Administration has information and data available on the site(s) listed above. Please call me to schedule an appointment for file review or to arrange for photocopies of all releasable materials. You will be invoiced for all applicable search, review, duplication and postage charges. It is requested that you make arrangements to review available files within 30 days of receipt of this letter. After 30 days your request will be closed and it will be necessary to file a new request.

When requesting information regarding this request, please cite the tracking number referenced above. If you have any questions, please call me at (410) 537-3422.

Sincerely,

Maria Stephens  
PIA Liaison  
Land Management Administration





# WASHINGTON COUNTY HEALTH DEPARTMENT

1302 Pennsylvania Avenue • Hagerstown, MD 21742

[www.washhealth.org](http://www.washhealth.org)

June 7, 2012

ECS Mid-Atlantic, LLC  
Attn: Erik J. Shaberl, Senior Environmental Scientist  
5112 Pegasus Court, Suite S  
Frederick, MD 21704

RE: 80 East Baltimore Street  
Hagerstown, Maryland

32 West Baltimore Street  
Hagerstown, Maryland

140 Summit Avenue  
Hagerstown, Maryland

31-33 West Antietam Street  
Hagerstown, Maryland

100 Summit Avenue  
Hagerstown, Maryland

29 West Antietam Street  
Hagerstown, Maryland

37 West Antietam Street  
Hagerstown, Maryland

25 West Antietam Street  
Hagerstown, Maryland

Mr. Shaberl:

We received your request for information pertinent to an Environmental Site Assessment for the above-referenced location. The property addresses submitted are currently served by public water and sewer and have been for many years. Hence, no records of potable water wells or septic systems exist. Questions regarding monitoring wells should be directed to The Maryland Department of the Environment, 33 West Franklin Street, Suite 302, Hagerstown, Maryland 21740.

If you need any additional information, I can be reached at 240-313-3400.

Sincerely,

David L. Barnhart, Director

DLB/dt

ENVIRONMENTAL HEALTH  
13332 Pennsylvania Avenue  
Hagerstown, Maryland 21742



STATE OF MARYLAND  
DEPARTMENT OF THE ENVIRONMENT  
WASTE MANAGEMENT ADMINISTRATION  
18450 SHOWALTER ROAD, SUITE #107  
HAGERSTOWN, MD 21742-1347

REGISTRATION # \_\_\_\_\_

**UNDERGROUND LEAK SUMMARY AND TANK CLOSURE**

HSWMA CASE # 96-0561WA      DATE OPENED 09/31/95      DATE CLOSED 10/03/95

FILE NAME: HERALD MAIL COMPANY      INSPECTOR'S INITIALS RH

**TYPE OF CASE:**

- |                       |                   |                         |                   |
|-----------------------|-------------------|-------------------------|-------------------|
| A) PULL               | <u>    X    </u>  | E) COMPLIANCE CHECK     | <u>          </u> |
| B) INSTALLATION       | <u>          </u> | F) TANK TEST FAILURE    | <u>          </u> |
| C) SURFACE            | <u>          </u> | G) ABANDONMENT IN PLACE | <u>          </u> |
| D) LEAK INVESTIGATION | <u>          </u> | H) OTHER                | <u>          </u> |

\*\*\*\*\*

**SPILL AFFECTED:**

- |                   |                   |                               |                              |
|-------------------|-------------------|-------------------------------|------------------------------|
| A) GROUNDWATERS   | <u>          </u> | F) SANITARY LINE              | <u>          </u>            |
| B) DOMESTIC WELLS | <u>          </u> | G) UTILITY WORK OR LINES      | <u>          </u>            |
| C) SURFACE WATERS | <u>          </u> | H) REACHED ADJOINING PROPERTY | <u>          </u>            |
| D) A BUILDING     | <u>          </u> | I) NONE/ (SPECIFY)            | <u>          X          </u> |
| E) STORM DRAIN    | <u>          </u> | J) SOILS                      | <u>          </u>            |

\*\*\*\*\*

**OWNER OF SYSTEM:**

- |                        |                   |                        |                              |
|------------------------|-------------------|------------------------|------------------------------|
| A) MAJOR OIL COMPANY   | <u>          </u> | F) PRIVATE RESIDENT    | <u>          </u>            |
| B) LOCAL OIL COMPANY   | <u>          </u> | G) APARTMENT           | <u>          </u>            |
| C) PRIVATELY OWNED     | <u>          </u> | H) SCHOOL              | <u>          </u>            |
| SERVICE STATION        | <u>          </u> | I) COMMERCIAL BUSINESS | <u>          X          </u> |
| D) GOVERNMENT FACILITY | <u>          </u> | J) OTHER (SPECIFY)     | <u>          </u>            |
| E) MARINA              | <u>          </u> |                        |                              |

\*\*\*\*\*

IF UNDER TYPE OF CASE ITEM "B", "C", OR "E" IS CHECKED, DO NOT FILL IN CHART "B".

WHERE OBSERVATION WELLS INSTALLED?         YES      X   NO    NUMBER OF WELLS     

CHART "B"

	CAPACITY OF TANK	TANK TYPE	LINE TYPE	AGE	PRODUCT	STATUS OF TANK	LEAK FOUND
1	2000	B	B		A	B	H
2	20000	B	B		B	B	H

## CODES FOR USE ON REVERSE SIDE

### TYPE:

- |                                 |               |
|---------------------------------|---------------|
| A) Steel                        | D) Other      |
| B) Fiberglass                   | E) Clad Steel |
| C) Cathodically-Protected Steel | F) Copper     |

### AGE:

- |                |                  |
|----------------|------------------|
| A) 1-5 years   | D) 16-20 years   |
| B) 6-10 years  | E) Over 20 years |
| C) 11-15 years |                  |

### PRODUCT:

- |             |              |
|-------------|--------------|
| A) Gasoline | G) Jet Fuel  |
| B) #2 Oil   | H) Waste Oil |
| C) Kerosene | I) Asphalt   |
| D) #4 Oil   | J) Other     |
| E) #5 Oil   | K) Diesel    |
| F) #6 Oil   |              |

### LEAK FOUND IN:

- |                |                   |
|----------------|-------------------|
| A) Tank        | F) Fill Pipe      |
| B) Supply Line | G) Air Pocket     |
| C) Return Line | H) None           |
| D) Vent Line   | I) Other          |
| E) Fittings    | J) Flex Connector |

### STATUS:

- |                       |
|-----------------------|
| A) In Service         |
| B) Removed            |
| C) Abandoned-In-Place |



# TANK REMOVAL/ABANDONMENT

State of Maryland  
Department of the Environment  
Hazardous and Solid Waste Management Administration  
2500 Broening Highway, Baltimore, Maryland 21224  
(301) 631-3442

Date: 9/21/95  
Site Name: The Herald mail Company  
Site Address: 1001 Summit Ave  
Hagerstown MD

Facility # \_\_\_\_\_  
Case # 96-0561 wa  
OPEN \_\_\_\_\_  
INITIAL \_\_\_\_\_  
CLOSE \_\_\_\_\_  
FOLLOW-UP (circled)

- 1a. 2 Tank(s) removed  
1b. \_\_\_\_\_ Tank(s) abandoned in place
- Has an environmental assessment been completed? YES  (Go to 2) NO   
 Complete an environmental assessment within \_\_\_\_\_ days in compliance with COMAR
2. Has piping been properly abandoned? YES  (Go to 3) NO  UNKNOWN   
 Properly abandon piping within \_\_\_\_\_ days in compliance with COMAR
3. Has all liquid been removed from tank(s)? YES  (Go to 4) NO   
 Stop operations and pump out liquid as ordered by this Administration
4. Have tank(s) been purged of explosive or combustible vapors? YES  (Go to 5) NO   
 Can operation continue safely? YES  (Go to 5) NO   
 Stop operations as ordered by this Administration
5. Were perforations observed during visual inspection of tank or piping? YES  NO

Tank #	Type of product	Age (yrs.)	Size	Type of tank	Type of piping	System tested? (Y/N)	Date of last test?	Disposal site
1	Gasoline		2000	Glass	Steel			Sinsing
2	Heating oil		20000	"	"			Salvage

6. Is groundwater contaminated? YES  NO  (Go to 7) UNKNOWN   
 Perform a site assessment and submit report to this Administration within \_\_\_\_\_ days
7. Is soil contaminated? YES  NO  (Go to 8)  
 Were contaminated soils removed? YES  NO   
 If YES: Disposal site? \_\_\_\_\_  
 If NO:  Removal of soils not required
8. Perform specified tasks or submit additional information to this Administration within \_\_\_\_\_ days:  
 \_\_\_\_\_ monitoring well(s) required in specified location(s)  
 Complete a site assessment and submit report  
 Daily inventory records  Past testing info.  All repair work info.  
 Other: \_\_\_\_\_  
 All documentation associated with tank removal/abandonment:  
 Including: Receipts for disposal of the tanks must be sent to MDE

9. Comments:  
The piping & the dispenser must be capped @ ground level, & the sump recanted closed.  
All piping & the heating oil excavation must be capped as was the piping & the gasoline excavation  
The inspector will re-inspect dispenser site w/in the next week  
The Herald mail will be sent a letter of closure after this inspection and after compliance w/ sections 8 above.

10. UST notification form amended? YES  NO   
 11. Is follow-up required by this Administration? YES  NO   
 Inspector's name (printed) and signature: Robert Hill  
 Contact person's name (printed) and signature: \_\_\_\_\_  
 Contractor's name (printed) and signature: Jodd A. Monn

Transfer of Responsibility to  
**Sensenig Salvage**  
 Chambersburg, Pennsylvania

Phone-- 717-369-4283

DATE 9-27-95

The undersigned Salvage Facility accepts responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State and Local regulations.

Having been permanently removed from service, these tanks ARE NOT

1. Vapor free
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE/COMBUSTIBLE/HAZARDOUS Liquids or materials.

<u>20000</u>	Gallon tank	Former Contents	<u># 2 Heating Oil</u>
<u>2000</u>	Gallon tank	Former Contents	<u>gasoline</u>
_____	Gallon tank	Former Contents	_____
_____	Gallon tank	Former Contents	_____
_____	Gallon tank	Former Contents	_____
_____	Gallon tank	Former Contents	_____
_____	Gallon tank	Former Contents	_____
_____	Gallon tank	Former Contents	_____

\* CONTRACTOR \*

Owner Location  
 Name: Ronald Mail  
 Address: 100 Summit Ave  
Highstown Md.  
 Signature: [Signature]  
 Date: 9-27-95

D L George + Sons

Salvage Facility  
 Sensenig Salvage  
 792 Coble Road  
 Chambersburg, PA 17201  
 Signature: Keith Sensenig  
 Date: 9-27-95

HAZARDOUS MATERIALS REGISTRATION # 060394 010 010C E.P.A.# PA0000554758

# Notification for Underground Storage Tanks

FORM APPROVED  
OMB NO. 2550-0049  
APPROVAL EXPIRES 6-30-88

FOR TANKS IN MD

RETURN COMPLETED FORM TO

Science & Health Advisory Group  
Office of Environmental Programs  
201 W. Preston Street  
Baltimore, MD 21201

I.D. Number **3 1193**  
Date Received **05/21/86**

STATE USE ONLY

## GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

**Who Must Notify?** Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

**What Tanks Are Included?** Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

**What Tanks Are Excluded?** Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;

5. surface impoundments, pits, ponds, or lagoons;

6. storm water or waste water collection systems;

7. flow-through process tanks;

8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;

9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

**What Substances Are Covered?** The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

**Where To Notify?** Completed notification forms should be sent to the address given at the top of this page.

**When To Notify?** 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

**Penalties:** Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

## INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

### I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)  
**Herald Mail Co. 4679**

Street Address  
**100 Summit Ave.**

County  
**Washington**

City State ZIP Code  
**Hagerstown Md. 21740**

Area Code Phone Number  
**301 733-5131**

Type of Owner (Mark all that apply )

Current  State or Local Gov't  Private or Corporate  
 Former  Federal Gov't (GSA facility I.D. no.)  Ownership uncertain

### II. LOCATION OF TANK(S)

(If same as Section I, mark box here )

Facility Name or Company Site Identifier, as applicable **7954**

Street Address or State Road, as applicable

County

City (nearest) State ZIP Code

Indicate number of tanks at this location

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

### III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ) Job Title Area Code Phone Number  
**Clyde W. Myers Production Manager (301) 733-5131**

### IV. TYPE OF NOTIFICATION

Mark box here only if this is an amended or subsequent notification for this location.

### V. CERTIFICATION (Read and sign after completing Section VI)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative Signature Date Signed  
**May 20, 1986**

CONTINUE ON REVERSE SIDE



**VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location)**

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No.	Tank No.	Tank No.
<b>1. Status of Tank</b> (Mark all that apply <input checked="" type="checkbox"/> ) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>2. Estimated Age (Years)</b>	7	7	7		
<b>3. Estimated Total Capacity (Gallons)</b>	20,000	2,000	15,000		
<b>4. Material of Construction</b> (Mark one <input checked="" type="checkbox"/> ) Steel Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> fiberglass	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> fiberglass	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> cement	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>5. Internal Protection</b> (Mark all that apply <input checked="" type="checkbox"/> ) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>6. External Protection</b> (Mark all that apply <input checked="" type="checkbox"/> ) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>7. Piping</b> (Mark all that apply <input checked="" type="checkbox"/> ) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>8. Substance Currently or Last Stored in Greatest Quantity by Volume</b> (Mark all that apply <input checked="" type="checkbox"/> ) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance OR Chemical Abstract Service (CAS) No. Mark box <input checked="" type="checkbox"/> if tank stores a mixture of substances d. Unknown	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Heating Oil	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>9. Additional Information (for tanks permanently taken out of service)</b> a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box <input checked="" type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete)	/  <input type="checkbox"/>	/  <input type="checkbox"/>	/  <input type="checkbox"/>	/  <input type="checkbox"/>	/  <input type="checkbox"/>

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the following pages and staple continuation sheets to this form.

Indicate number of continuation sheets attached

FACILITY NUMBER 3-011903  
(State Use Only)

**I. OWNERSHIP OF TANK(S)**

Name: Herald Mail Company  
Street: 100 Summit Avenue  
City: Hagerstown state: MD Zip: 21740  
Phone: 301 733 5131 County: Washington

**TYPE OF OWNER**

- Federal (GSA facility ID# \_\_\_\_\_)
- State  County
- Municipal  Public School District
- Private or Corporate  Volunteer Fire or Ambulance Company
- Current  Former
- Other \_\_\_\_\_

**II. LOCATION OF TANK(S)**

Name: Herald Mail Company  
Street: 100 Summit Avenue  
City: Hagerstown state: MD Zip: 21740  
County: Washington  
Number of tanks at this location: 2

**III. CONTACT PERSON AT TANK LOCATION**

Name: Zane Oberholzer  
Job Title: Building Manager  
Area Code: 301 Phone: 733 5131

**IV. TYPE OF NOTIFICATION**

Check here only if this is an amended or subsequent notification for this location.

**NOTE: NOT APPLICABLE TO HEATING OIL TANKS ON-SITE.**

I have financial responsibility in accordance with Subpart I of RCRA. Please specify:

Method: \_\_\_\_\_

Insurer: \_\_\_\_\_

Policy Number: \_\_\_\_\_

**V. CERTIFICATION**

(Read and sign after completing Section VII.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name: Zane Oberholzer  
(Please Print)

Title: Building Manager

Signature: Zane Oberholzer

Date Signed: 5/8/90

*APPROVE 6/8/90  
George J. [unclear]*

**VI. CERTIFICATION OF COMPLIANCE**

(Complete for all new tanks at this location)  
(All others skip to next page)

The installer has been certified by the Maryland Department of the Environment.

**OATH:** I certify that the information concerning installation provided is true to the best of my belief and knowledge.

Installer: \_\_\_\_\_  
Date: \_\_\_\_\_  
Certificate Number: MDIC- \_\_\_\_\_  
Position: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_

RECEIVED

MAY 21 1990

**Release Detection** (Mark all that apply)

- Automatic tank gauging.
- Vapor monitoring.
- Groundwater monitoring.
- Interstitial monitoring within a secondary barrier.
- Interstitial monitoring within a secondary containment.
- Automatic line leak detectors.
- Line tightness testing.
- Another method allowed by the Maryland Department of the Environment. Please specify. \_\_\_\_\_

None

**Corrosion Protection**

- As specified for coated steel tanks with cathodic protection.
- As specified for coated steel piping with cathodic protection.

VII. DESCRIPTION OF UNDERGROUND STORAGE TANKS

	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4	Tank No. 5
<b>1. Status of Tank</b> (Mark all that Apply)					
Currently in Use	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporarily Out of Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permanently Out of Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Brought into Use after 3/15/85	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Estimated Age (Years)</b>					
	Unknown				
<b>3. Estimated Total Capacity (Gallons)</b>					
	10,000	10,000			
<b>4. Material of Construction</b> (Mark all that Apply)					
Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concrete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Please Specify					
<b>5. Internal Protection</b> (Mark all that Apply)					
Interior Lining (e.g. epoxy resins)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Please Specify					
<b>6. External Protection</b> (Mark all that Apply)					
Cathodic Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coated (e.g. asphaltic/epoxy)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass Reinforced Plastic Coated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Please Specify					
<b>7. Piping</b> (Mark all that Apply)					
Bare Steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Galvanized Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fiberglass Reinforced Plastic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cathodically Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coated/Wrapped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unknown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Please Specify					
<b>8. Substance Currently or Last Stored</b> in Greatest Quantity by Volume (Mark all that Apply)					
<b>a. Petroleum</b>					
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasoline (including alcohol blends)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating Oil	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, Please Specify					
<b>b. Hazardous Substance</b>					
Please Indicate Name of Principal CERCLA Substance _____					
or					
Chemical Abstract Service (CAS) No. _____					
Mark box if tank stores a mixture of substances _____					
<b>c. Unknown</b>					
<b>9. Additional information (for tanks permanently taken out of service)</b> (Mark all that Apply)					
<b>a. Estimated date last used (mo/day/yr)</b> _____					
<b>b. Estimated quantity of substance remaining (gal.)</b> _____					
<b>c. Mark box if tank was filled with inert material (e.g. sand, concrete)</b>					
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>d. Mark box if tank was removed</b>					
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



# TANK REMOVAL/ABANDONMENT

State of Maryland  
Department of the Environment  
Hazardous and Solid Waste Management Administration  
2500 Broening Highway, Baltimore, Maryland 21224  
(301) 631-3442

Date 9/21/95

Site Name: The Herald mail Company  
Site Address: 100 Summit Ave  
Hagerstown MD

Facility # \_\_\_\_\_

Case # 96-0561wa

OPEN \_\_\_\_\_  
INITIAL \_\_\_\_\_  
CLOSE \_\_\_\_\_  
FOLLOW-UP (circled)

1a. 2 Tank(s) removed

1b. \_\_\_\_\_ Tank(s) abandoned in place

Has an environmental assessment been completed? YES  (Go to 2) NO

Complete an environmental assessment within \_\_\_\_\_ days in compliance with COMAR

2. Has piping been properly abandoned? YES  (Go to 3) NO  UNKNOWN

Properly abandon piping within \_\_\_\_\_ days in compliance with COMAR

3. Has all liquid been removed from tank(s)? YES  (Go to 4) NO

Stop operations and pump out liquid as ordered by this Administration

4. Have tank(s) been purged of explosive or combustible vapors? YES  (Go to 5) NO

Can operation continue safely? YES  (Go to 5) NO

Stop operations as ordered by this Administration

5. Were perforations observed during visual inspection of tank or piping? YES  NO

Tank #	Type of product	Age (yrs.)	Size	Type of tank	Type of piping	System tested? (Y/N)	Date of last test?	Disposal site
1	Gasoline		2000	Glass	Steel			Sinsing
2	Heating oil		20000	"	"			Salage

6. Is groundwater contaminated? YES  NO  (Go to 7) UNKNOWN

Perform a site assessment and submit report to this Administration within \_\_\_\_\_ days

7. Is soil contaminated? YES  NO  (Go to 8)

Were contaminated soils removed? YES  NO

If YES: Disposal site? \_\_\_\_\_

If NO:  Removal of soils not required

8. Perform specified tasks or submit additional information to this Administration within \_\_\_\_\_ days:

\_\_\_\_\_ monitoring well(s) required in specified location(s)

Complete a site assessment and submit report

Daily inventory records

Past testing info.

All repair work info.

Other: \_\_\_\_\_

All documentation associated with tank removal/abandonment:

including: Receipts for disposal of the tanks must be sent to MDE

9. Comments:

The piping & the disposal must be capped & ground level, & the sump removed & closed.

All piping & the heating oil excavation must be capped as was the piping & the gasoline excavation.

This inspection will re-visit disposal site within the next week.

The Herald mail will be sent a letter of closure after this inspection and after compliance w/ sections 8 above.

10. UST notification form amended? YES  NO

11. Is follow-up required by this Administration? YES  NO

Inspector's name (printed) and signature: Robert Hill

Contact person's name (printed) and signature: \_\_\_\_\_

Contractor's name (printed) and signature: Todd A. Mann





**STATE OF MARYLAND  
DEPARTMENT OF THE ENVIRONMENT**  
2500 Broening Highway Baltimore, Maryland 21224

**Governor**  
Parris N. Glendening

**Secretary**  
Jane T. Nishida

**INVOICE**

PCA 13728      COMP-OBJ 5673      SUFFIX 607  
39.01.    PROJECT      FUND      OBJECT      ITEM

INVOICE NO. **095190**  
DATE      JULY 15, 1995

SOURCE CODE

NAME & ADDRESS:

HERALD MAIL CO.  
100 SUMMIT AVENUE  
HAGERSTOWN, MD 21740

AMOUNT DUE:      200.00  
DUE DATE:      SEPTEMBER 1, 1995  
AMOUNT PAID:

FEDERAL ID # \_\_\_\_\_ (Social Security or Employer ID #)  
(Please Include the above Federal ID # if it is Blank, per State Regulations)

REFERENCE NUMBER:      3-011903WA

DESCRIPTION/COMMENTS:

AMOUNT DUE FOR CALENDAR YEAR 1995: \$200  
1 GAS TANK AT ABOVE ADDRESS

FOR QUESTIONS CALL      OIL CONTROL PROGRAM      AT      (410) 631-3433

MAKE CHECK PAYABLE TO:      MARYLAND UST UPGRADE & REPLACEMENT FUND  
MAIL TO :

DEPARTMENT OF THE ENVIRONMENT  
P. O. BOX 1417  
BALTIMORE, MD 21203-1417

**PLEASE PRINT THE INVOICE NUMBER ON YOUR CHECK**



**STATE OF MARYLAND**  
**DEPARTMENT OF THE ENVIRONMENT**  
 2500 Broening Highway Baltimore, Maryland 21224

William Donald Schaefer  
 Governor

David A.C. Carroll  
 Secretary

**INVOICE**

PCA 13728      COMP-OBJ 5673      SUFFIX 607

INVOICE NO. 084126

39.01.    PROJECT      FUND    OBJECT      ITEM

DATE    JULY 11, 1994

SOURCE CODE

NAME & ADDRESS:

HERALD MAIL CO.  
 100 SUMMIT AVENUE  
 HAGERSTOWN, MD 21740

AMOUNT DUE:      200.00

DUE DATE:      SEPTEMBER 1, 1994

AMOUNT PAID:

FEDERAL ID # \_\_\_\_\_ (Social Security or Employer ID #)  
 (Please Include the above Federal ID # if it is Blank, per State Regulations)

REFERENCE NUMBER:                      3-011903 WA

DESCRIPTION/COMMENTS:

1 GAS TANK AT ABOVE ADDRESS  
 AMOUNT DUE FOR CALENDER YEAR 1994: \$200

FOR QUESTIONS CALL OIL CONTROL PROGRAM AT (410) 631-3433

MAKE CHECK PAYABLE TO:                      MARYLAND UST UPGRADE & REPLACEMENT FUND  
 MAIL TO :

DEPARTMENT OF THE ENVIRONMENT  
 P. O. BOX 1417  
 BALTIMORE, MD 21203-1417

PLEASE PRINT THE INVOICE NUMBER ON YOUR CHECK



**STATE OF MARYLAND**  
**DEPARTMENT OF THE ENVIRONMENT**  
 2500 Broening Highway Baltimore, Maryland 21224

William Donald Shafer  
 Governor

Robert Perciasepe  
 Secretary

**INVOICE**

INVOICE NO. 46952

DATE JULY 1, 1993

39.01.01 PROJECT3728 FUND 03 OBJECT ITEM

SOURCE CODE 02.61.13

NAME & ADDRESS:

HERALD MAIL CO.  
 100 SUMMIT AVENUE  
 HAGERSTOWN, MD 21740

AMOUNT DUE: 200.00

DUE DATE: AUGUST 1, 1993

AMOUNT PAID:

FEDERAL ID # \_\_\_\_\_ (Social Security or Employer ID #)  
 (Please Include the above Federal ID # if it is Blank, per State Regulations)

REFERENCE NUMBER: 3-011903 *NA*

DESCRIPTION/COMMENTS:

1 GAS TANK AT ABOVE ADDRESS

INTERNAL USE ONLY - DO NOT WRITE IN THESE AREAS

PLEASE RETURN WITH [unclear]  
 COPY WILL [unclear]

FOR QUESTIONS CALL OIL CONTROL PROGRAM AT (410) 631-3433

MAKE CHECK PAYABLE TO: MARYLAND UST UPGRADE & REPLACEMENT FUND  
 MAIL TO :

DEPARTMENT OF THE ENVIRONMENT  
 P. O. BOX 1417  
 BALTIMORE, MD 21203-1417

PLEASE PRINT THE INVOICE NUMBER ON YOUR CHECK





**STATE OF MARYLAND**  
**DEPARTMENT OF THE ENVIRONMENT**  
 2500 Broening Highway Baltimore, Maryland 21224

William Donald Shafer  
 Governor

Robert Perciasepe  
 Secretary

**INVOICE**

INVOICE NO. 27685

39.01 .01 PROJECT<sup>8728</sup> FUND 03 OBJECT ITEM

DATE NOVEMBER 9, 1992

SOURCE CODE 02.61.13

NAME & ADDRESS:

HERALD MAIL CO.  
 100 SUMMIT AVENUE  
 HAGERSTOWN, MD 21740

AMOUNT DUE: 200.00

DUE DATE: DECEMBER 9, 1992

AMOUNT PAID:

FEDERAL ID # \_\_\_\_\_ (Social Security or Employer ID #)  
 (Please Include the above Federal ID # if it is Blank, per State Regulations)

REFERENCE NUMBER: 3-011903

DESCRIPTION/COMMENTS:

1 GAS TANK AT ABOVE ADDRESS

FOR QUESTIONS CALL UST/UST PROGRAM AT (410) 631-3442

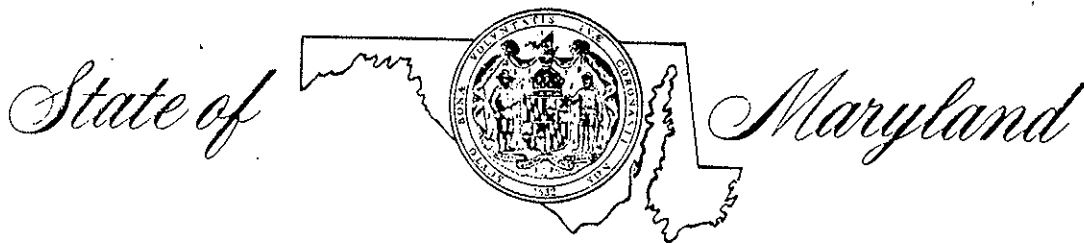
MAKE CHECK PAYABLE TO: MARYLAND UST UPGRADE & REPLACEMENT FUND  
 MAIL TO :

DEPARTMENT OF THE ENVIRONMENT  
 P. O. BOX 1417  
 BALTIMORE, MD 21203-1417

PLEASE PRINT THE INVOICE NUMBER ON YOUR CHECK







DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway, Baltimore, Maryland 21224

Area Code 301 • 631-

William Donald Schaefer  
Governor

Martin W. Walsh, Jr.  
Secretary

June 4, 1990

Mr. Zane Oberholzer  
Herald Mail Company  
100 Summit Avenue  
Hagerstown, Maryland 21740

Dear Mr. Oberholzer:

I am in receipt of your underground storage tank registration form dated May 8, 1990. Certain key information about your facility is not consistent with a previously submitted form. Enclosed are copies of both submissions for your review.

In order to reconcile this information, please telephone Ms. Cynthia Keller at (301) 631-3442.

Sincerely,

Bernard Bigham, Chief  
Underground Storage Tank Division

BB:cjh

Enclosures

cc: Mr. Ronald Nelson  
Ms. Cynthia Keller

INVOICE NO. 11136



William Donald Schaefer  
Governor

STATE OF MARYLAND  
Department of the Environment

2500 BROENING HIGHWAY BALTIMORE, MARYLAND 21224

(301) 631-



Robert Perciasepe  
Secretary

INVOICE

01  
39.01 ~~XX~~ PROJECT 3728 FUND 03  
SOURCE CODE 02.61.13

DATE July 5, 1991  
3-011903

Herald Mail Company  
NAME  
100 Summit Avenue  
STREET ADDRESS  
Hagerstown, MD 21740  
CITY STATE ZIP

AMOUNT DUE: \$200.00

AMOUNT PAID: \_\_\_\_\_

DUE DATE: August 5, 1991

YOU MUST RETURN THIS PORTION WITH CHECK

01  
39.01 ~~XX~~ PROJECT 3728 FUND 03  
SOURCE CODE 02.61.13

REF NO: 3-011903

DESCRIPTION/COMMENTS 1 gasoline tank

MAKE CHECK PAYABLE TO: MD UST Upgrade & Replacement Fund

PLEASE PRINT YOUR INVOICE NUMBER ON YOUR CHECK AND RETURN TO:  
**DEPARTMENT OF THE ENVIRONMENT  
FISCAL SERVICES DIVISION  
CASH RECEIPTS UNIT  
2500 BROENING HIGHWAY  
BALTIMORE, MARYLAND 21224**

RETAIN THIS PORTION FOR YOUR RECORDS

INVOICE NO. 11136



INVOICE NO. 11136



STATE OF MARYLAND  
Department of the Environment



William Donald Schaefer  
Governor

(301) 631-

Robert Perciasepe  
Secretary

INVOICE



01  
39.01.06 PROJECT 3728 FUND 03  
SOURCE CODE 02.61.13

DATE July 5, 1991  
3-011903

Herald Mail Company  
NAME  
100 Summit Avenue  
STREET ADDRESS  
Hagerstown, MD 21740  
CITY STATE ZIP

AMOUNT DUE: \$200.00  
AMOUNT PAID: \_\_\_\_\_

DUE DATE: August 5, 1991

YOU MUST RETURN THIS PORTION WITH CHECK

01  
39.01.06 PROJECT 3728 FUND 03  
SOURCE CODE 02.61.13

REF NO: 3-011903

DESCRIPTION/COMMENTS 1 gasoline tank

MAKE CHECK PAYABLE TO: MD UST Upgrade & Replacement Fund

PLEASE PRINT YOUR INVOICE NUMBER ON YOUR CHECK AND RETURN TO:  
**DEPARTMENT OF THE ENVIRONMENT  
FISCAL SERVICES DIVISION  
CASH RECEIPTS UNIT  
2500 BROENING HIGHWAY  
BALTIMORE, MARYLAND 21224**

RETAIN THIS PORTION FOR YOUR RECORDS

INVOICE NO. 11136

MDE 218



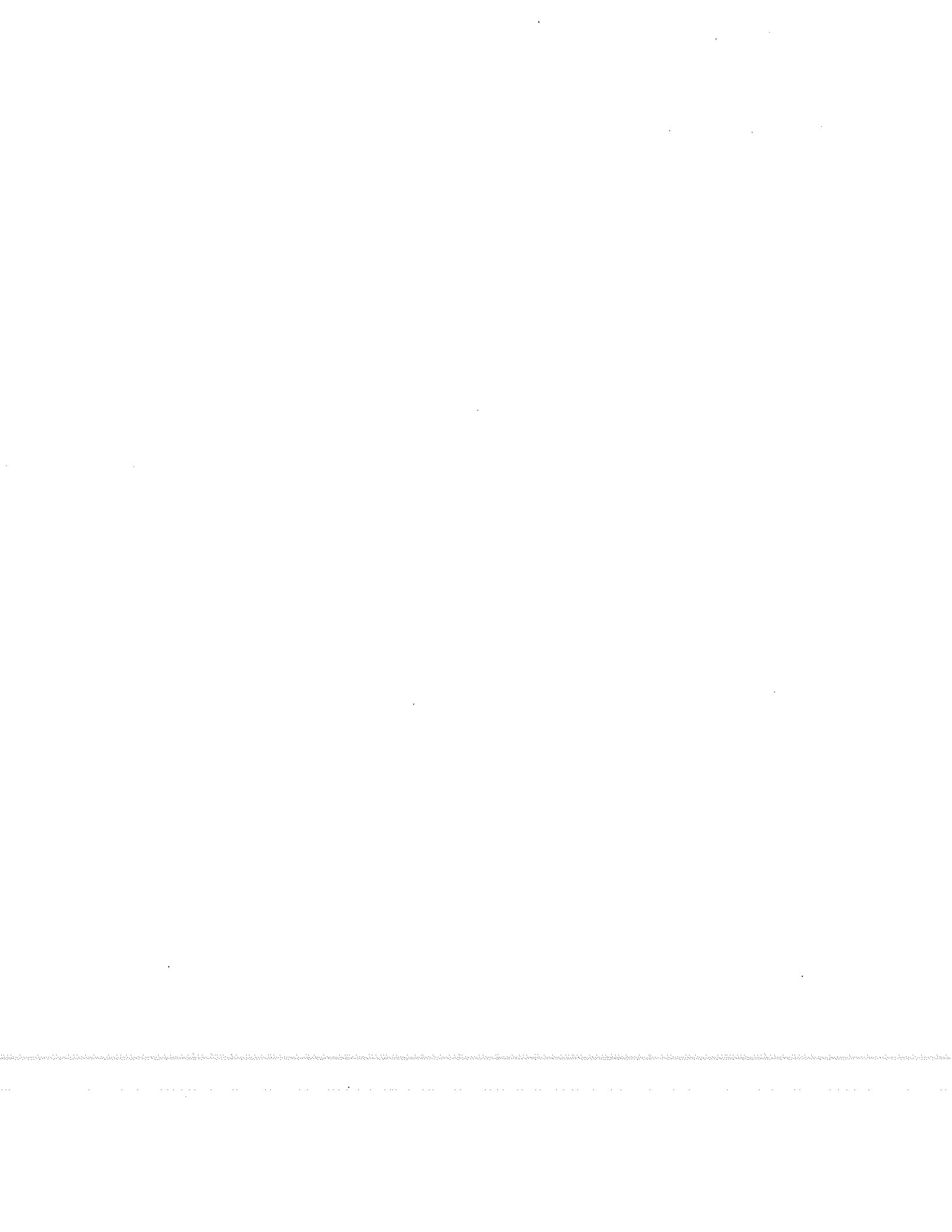
RECYCLED PAPER

Temporarily Out of Use - TOU 3-011903 Facility ID

N/A = Not Originally Registered 3-011903 Currently in Use=CIU

Registered	Capacity	Product	Installed Date	Removed=R	Abandoned=A	TR Form	Notes/Comments	Case No.	Last Used Date	Date Closure Received	Date Closed	Amended
1	5-20-86	20K	HD	1979	R	Y	96-0561	96-0561	-	-	9-21-95	No
2		2K	G	1979	R	Y			-	-	9-21-95	No
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												

Gasoline = G #2 or Heating Oil = HO Used or Waste Oil = UO  
 Diesel = D Kerosene = K Other = Write it Out Initials OK





**MARYLAND DEPARTMENT OF THE ENVIRONMENT**  
 2500 Broening Highway • Baltimore Maryland 21224  
 (410) 631-3000 • 1-800-633-6101 • http://www.mde.state.md.us

Parris N. Glendening  
 Governor

Jane T. Nishida  
 Secretary

May 21, 1999

**CERTIFIED MAIL**

Mr. Donald Baker  
 Donald W. Baker, Et Al  
 1657 Woodlands Run  
 Hagerstown, MD 21742

RE: UST Registration  
 Facility ID #0009747  
 D & P Coin - OP  
 140 Summit Avenue  
 Hagerstown, MD

Dear Mr. Baker:

Thank you for completing the revised underground storage tank registration form. A review of the form indicates that you have reported your tank as temporarily out of service. Maryland regulations require that underground storage systems, which have been out of service for over one hundred eighty (180) days must be removed from the ground. The Department of Environment must receive thirty (30) days prior notice to the tank removal.

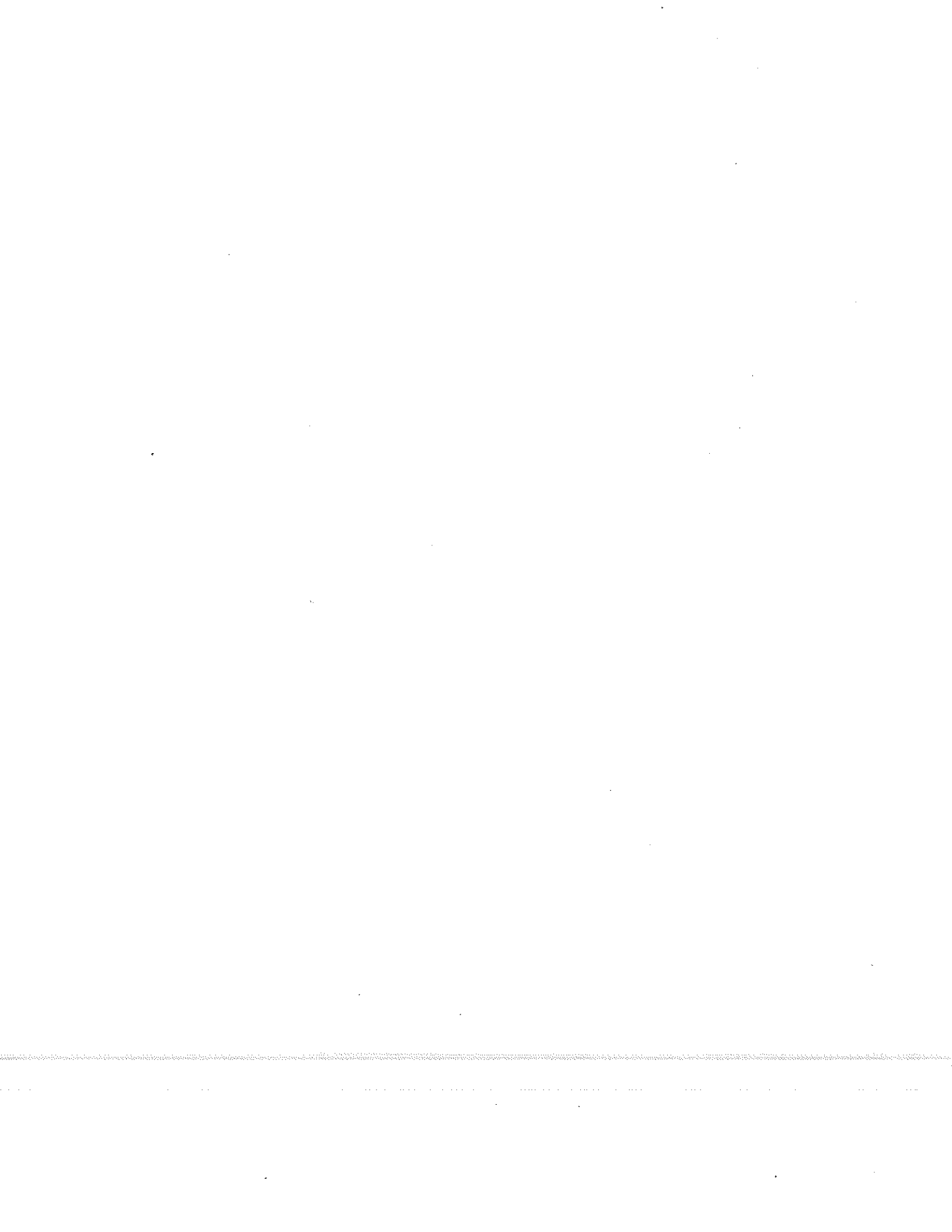
... find enclosed a list of commercial companies which may assist

you are required to amend your questions concerning this matter, 3443.

Is your RETURN ADDRESS completed on the reverse side?

<b>SENDER:</b> ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
3. Article Addressed to:  Mr. Donald Baker Donald W. Baker, Et Al 1657 Woodlands Run Hagerstown, MD 21742		4a. Article Number <p style="text-align: center; font-size: 1.2em;">2426842836</p>	
		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
5. Received By: (Print Name)		7. Date of Delivery <p style="text-align: center; font-size: 1.2em;">5-22</p>	
6. Signature: (Addressee or Agent) <p style="text-align: center; font-size: 1.5em;"><b>X</b></p>		8. Addressee's Address (Only if requested and fee is paid)	

Thank you for using Return Receipt Service.



# NOTIFICATION FOR UNDERGROUND STORAGE TANKS

Return completed form to:

Maryland Department of the Environment  
Oil Control Program  
2500 Broening Highway  
Baltimore MD 21224

State Use Only

Facility ID Number 9747  
Alt ID Number ~~9747~~ 6012007

\*\*\*\*\*

## TYPE OF NOTIFICATION: (check one)

New Facility  Amended  Closure

1 Number of tanks at facility  
       Number of continuation sheets attached

Date Entered into Computer 5/14/99

Data Clerk's Initials SD

Owner Contacted to Clarify Response       

Comments       

## I. OWNERSHIP INFORMATION:

Owner Name: DONALD W. BAKER, ET AL

Owner ID: 5935

Street Address: 140 SUMMIT AVE 1657 WOODLANDS RUN

TYPE OF OWNER: (check one)

Government        Commercial         
 Federal  Corporation  
 State  Company  
 Local  Partnership  
 Individual

HAG MD 21742  
City State Zip Code

WASHINGTON  
County:

Mailing Address (if different from above): 1657 WOODLANDS RUN  
HAG, MD. 21742

Phone Number: (301) 733-8329

Contact Person: DONALD BAKER

Non-Commercial  
 Residential  
 Agricultural  
 Non-Profit Agency

## II. LOCATION OF TANK(S)

Facility Name or Company Site Identifier as applicable: DEPCOIN-0A

APR 26 1999  
CONTROL PROGRAM

Street Address: 140 SUMMIT AVE.

HAG MD 21742  
City State Zip Code

WASHINGTON  
County

Mailing Address (if different from above): 1657 WOODLANDS RUN, HAG, MD. 21742

Phone Number: (301) 733-8329

Facility Operator: DONALD BAKER



**III. TYPE OF FACILITY: (check one)**

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Federal Non-Military  | <input type="checkbox"/> Gas Station           | <input type="checkbox"/> Private Home     |
| <input type="checkbox"/> Federal Military      | <input type="checkbox"/> Petroleum Distributor | <input type="checkbox"/> Apt. / Condo     |
| <input type="checkbox"/> Educational           | <input type="checkbox"/> Trucking / Transport  | <input type="checkbox"/> Farm / Nursery   |
| <input type="checkbox"/> Fire/Rescue/Ambulance | <input type="checkbox"/> Industrial            | <input type="checkbox"/> Marina           |
| <input type="checkbox"/> Public Service        | <input type="checkbox"/> Contractor            | <input checked="" type="checkbox"/> Store |
| <input type="checkbox"/> Utilities             | <input type="checkbox"/> Airline               | <input type="checkbox"/> Office           |
| <input type="checkbox"/> Railroad              | <input type="checkbox"/> Auto Dealership       | <input type="checkbox"/> Other _____      |

**IV. CONTACT PERSON IN CHARGE OF TANKS**

Name: DONALD BAKER Job Title: PARTNER  
 Address: 1657 WOODLANDS RUN, HAGE, MD. 21742 Phone Number: (301) 733-8329

**V. FINANCIAL RESPONSIBILITY (if applicable - see instruction sheet)**  
 I have met the financial responsibility requirements in accordance with 40 CFR Part 280, Subpart H

YES  No

<input type="checkbox"/> Commercial Insurance	<input type="checkbox"/> Self Insurance	<input type="checkbox"/> Letter of Credit
Policy # _____	<input type="checkbox"/> Insurance Pool	<input type="checkbox"/> Surety Bond
Insurer _____	<input type="checkbox"/> Risk Retention Group	<input type="checkbox"/> Other method allowed
Agent/Broker _____	<input type="checkbox"/> Guarantee	(specify) _____
Phone No _____		

**VI. CERTIFICATION (to be completed by owner or owner's representative)**  
 I certify, under penalty of law, that I have personally examined, and am familiar with, the information submitted in this and all attached documents, and that the information provided is in compliance with COMAR 26.10.03, and is true, accurate, and complete.

Name (print/type): DONALD BAKER Title (print/type): PARTNER

Signature: Donald W. Baker Date Signed: 4/17/99



**VII. DESCRIPTION OF UNDERGROUND STORAGE TANKS** (complete for each tank at this facility)

Tank Identification Number	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
Alt. Tank ID Number	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____
<b>6. Piping (Type)</b> (mark all that apply)					
Pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gravity Feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suction: no valve at tank (Safe Suction)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suction: valve at tank (U.S. Suction)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has piping been repaired?	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___
<b>7. Substance Currently or Last Stored</b>					
Gasoline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diesel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gasohol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kerosene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heating Oil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Used Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hazardous Substance CERCLA name and/or CAS #	_____	_____	_____	_____	_____
Other, please specify	_____	_____	_____	_____	_____
Mixture of Substances Please specify	_____	_____	_____	_____	_____
<b>8. Closing of Tank</b>					
Estimated date last used (mo/day/yr)	/ / 1994	/ /	/ /	/ /	/ /
Date tank closed (mo/day/yr)	/ /	/ /	/ /	/ /	/ /
Tank was removed from ground	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___
Tank filled with inert material	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___
List material used	_____	_____	_____	_____	_____
Change in service to non-regulated substance	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___
<b>9. Site Assessment Completed?</b>	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___

**VII. DESCRIPTION OF UNDERGROUND STORAGE TANKS** (complete for each tank at this facility)

Tank Identification Number	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____					
Alt. Tank ID Number	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____	Tank No. _____					
<b>10. Release Detection</b> (mark all that apply)	<b>TANK</b>	<b>PIPING</b>	<b>TANK</b>	<b>PIPING</b>	<b>TANK</b>	<b>PIPING</b>	<b>TANK</b>	<b>PIPING</b>	<b>TANK</b>	<b>PIPING</b>
Manual tank gauging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tank tightness testing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inventory controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic tank gauging	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vapor monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Interstitial monitoring double-walled tank/piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Statistical Inventory Reconciliation (SIR)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic line leak detection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Line tightness testing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other method allowed (specify)	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
<b>11. Spill and Overfill Protection</b>										
Overfill device installed	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Spill catch basin	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
<b>12. Stage I Vapor Recovery</b>	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___
<b>13. Stage II Vapor Recovery</b>	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___	Yes___ No___

**VIII. CERTIFICATION OF COMPLIANCE** (complete for all new and upgraded tanks at this location)

**INSTALLER CERTIFICATION**

I certify that the underground storage system installed, upgraded, or repaired at this facility is in compliance with all applicable regulations.

Installer: \_\_\_\_\_

Print Name

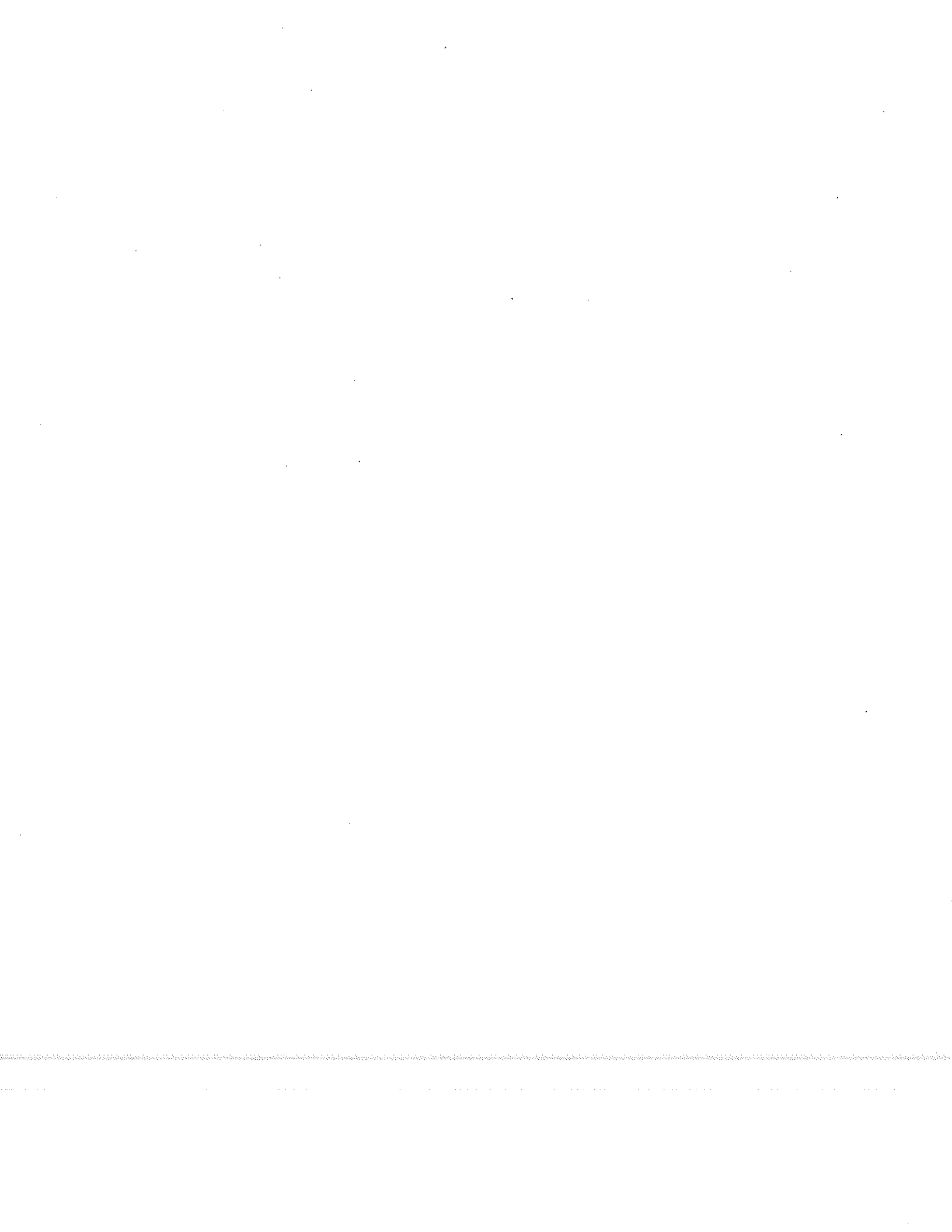
Signature

MDIC- \_\_\_\_\_

State ID Number

Date

Company





MDE

MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore Maryland 21224

(410) 631-3000 • 1-800-633-6101 • <http://www.mde.state.md.us>

Parris N. Glendening  
Governor

Jane T. Nishida  
Secretary

April 12, 1999

Dear Underground Storage Tank Owner:

The State of Maryland, Department of the Environment has implemented a new data management system for all underground storage tanks (UST's) in the State. In order to efficiently update this data, your assistance is required.

The Department is requesting that within thirty (30) days of receipt of this notice, you complete one of the new UST notification forms for your facility in Maryland that currently has or previously had an underground storage tank. Enclosed is a copy of the new UST notification form, and instruction sheet for your completion. If you have more than one facility, please feel free to make copies of the enclosed form.

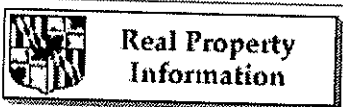
If you have any questions, please do not hesitate to call the Office of Resource Management at (410) 631-3433.

Sincerely,

Cynthia Keller, Chief  
Office of Resource Management  
Oil Control Program

CK:ms  
Enclosures

cc: Mr. Richard Collins  
Mr. Herbert Meade



Maryland Department of Assessments and Taxation  
**Real Property System**

[\[Go Back\]](#)

WASHINGTON COUNTY

[\[Start Over\]](#)

DISTRICT: 03 ACCT NO: 014525

**Owner Information**

**Owner Name:** BAKER DONALD W ET AL  
**Mailing Address:** 1657 WOODLANDS RUN  
 HAGERSTOWN MD 21742

**Use:** COMMERCIAL  
**Principal Residence:** NO

**Transferred**

**From:** MILLS H L INC

**Date:** 06/03/1991 **Price:** \$200,000

**Deed Reference:** 1) / 995/ 999  
 2)

**Potential Tax Liability:**

\* NONE \*

**Tax Exempt:** NO

**Location Information** [\[View Map\]](#)

**Premise Address:**  
 140 SUMMIT AVE  
 HAGERSTOWN 21740

**Zoning:** C3  
**Legal Description:** LOT 100X105  
 SUMMIT AVE

<b>Map</b>	<b>Grid</b>	<b>Parcel</b>	<b>Subdiv</b>	<b>Sect</b>	<b>Block</b>	<b>Lot</b>	<b>Group</b>	<b>Plat No:</b>
312		2048					81	Plat Ref:

**Special Tax Areas** **Town:** HAGERSTOWN  
**Ad Valorem:**

**Primary Structure Data**

<b>Year Built:</b>	<b>Enclosed Area:</b>	<b>Property Land Area:</b>	<b>County Use:</b>
0000		10,500.00 SF	

**Value Information**

	Base Value	Current Value	Phase-In Value		Phase-in Assessments	
			As Of	As Of	As Of	As Of
		01/01/1996	07/01/1999	07/01/1998	07/01/1999	
<b>Land:</b>	47,200	47,200				
<b>Impts:</b>	97,800	97,800				
<b>Total:</b>	145,000	145,000				
<b>Pref Land:</b>	0	0	NOT AVAIL	58,000	NOT AVAIL	NOT AVAIL
			NOT AVAIL	0	NOT AVAIL	NOT AVAIL

PREFERENTIAL LAND VALUE  
 INCLUDED IN LAND VALUE

**Partial Exempt Assessments**

	Code	07/01/1998	07/01/1999
<b>County</b>	000	0	0
<b>State</b>	000	0	0
<b>Municipal</b>	000	0	0

[\[Go Back\]](#)

[\[Start Over\]](#)

NEW

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the following pages and staple continuation sheets to this form.

Indicate number of continuation sheets attached

FACILITY NUMBER 6-012007  
(State Use Only)

5434

I. OWNERSHIP OF TANK(S)

Name: H.L. Mills, Inc.  
Street: 45 W. Baltimore Street  
City: Hagerstown State: MD zip: 21740  
Phone: 301-739-2900 County: Washington

TYPE OF OWNER

- Federal (GSA facility ID# \_\_\_\_\_)
- State  County
- Municipal  Public School District
- Private or Corporate  Volunteer Fire or Ambulance Company
- Current  Former
- Other \_\_\_\_\_

II. LOCATION OF TANK(S)

Name: D&P Coin-Op Laundry  
Street: 140 Summit Avenue  
City: Hagerstown State: MD zip: 21740  
County: Washington  
Number of tanks at this location: 1

9741

III. CONTACT PERSON AT TANK LOCATION

Name: Courtney Mills  
Job Title: Corporate Officer - President  
Area Code: 301 Phone: 739-2900

IV. TYPE OF NOTIFICATION

Check here only if this is an amended or subsequent notification for this location.

NOTE: NOT APPLICABLE TO HEATING OIL TANKS ON-SITE.

I have financial responsibility in accordance with Subpart I of RCRA. Please specify:

Method: \_\_\_\_\_

Insurer: \_\_\_\_\_

Policy Number: \_\_\_\_\_

V. CERTIFICATION  
(Read and sign after completing Section VII.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name: Courtney M. Mills  
(Please Print)

Title: President

Signature: [Handwritten Signature]

Date Signed: 4-13-90

VI. CERTIFICATION OF COMPLIANCE  
(Complete for all new tanks at this location)  
(All others skip to next page)

The installer has been certified by the Maryland Department of the Environment.

OATH: I certify that the information concerning installation provided is true to the best of my belief and knowledge.

Installer: \_\_\_\_\_

Date: \_\_\_\_\_

Certificate Number: MOIC- \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Release Detection (Mark all that apply)

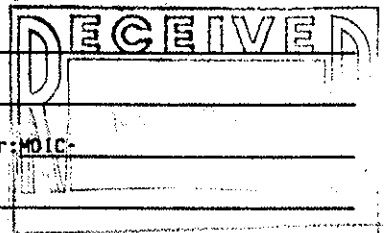
- Automatic tank gauging.
- Vapor monitoring.
- Groundwater monitoring.
- Interstitial monitoring within a secondary barrier.
- Interstitial monitoring within a secondary containment.
- Automatic line leak detectors.
- Line tightness testing.
- Another method allowed by the Maryland Department of the Environment. Please specify. \_\_\_\_\_

None

Corrosion Protection

As specified for coated steel tanks with cathodic protection.

As specified for coated steel piping with cathodic protection.





D+P Coin-Op Laundry

140 Summit Avenue Hagerstown, MD 21740

Tank Identification Number \_\_\_\_\_

VII. DESCRIPTION OF UNDERGROUND STORAGE TANKS

	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4	Tank No. 5
<b>1. Status of Tank</b> (Mark all that Apply)					
Currently in Use	(X)	( )	( )	( )	( )
Temporarily Out of Use	( )	( )	( )	( )	( )
Permanently Out of Use	( )	( )	( )	( )	( )
Brought Into Use after 3/15/85	( )	( )	( )	( )	( )
<b>2. Estimated Age (Years)</b>					
	(27)	( )	( )	( )	( )
<b>3. Estimated Total Capacity (Gallons)</b>					
	(1,000)	( )	( )	( )	( )
<b>4. Material of Construction</b> (Mark all that Apply)					
Steel	(X)	( )	( )	( )	( )
Concrete	( )	( )	( )	( )	( )
Fiberglass Reinforced Plastic	( )	( )	( )	( )	( )
Double Wall	( )	( )	( )	( )	( )
Unknown	( )	( )	( )	( )	( )
Other, Please Specify					
<b>5. Internal Protection</b> (Mark all that Apply)					
Interior Lining (e.g. epoxy resins)	( )	( )	( )	( )	( )
None	( )	( )	( )	( )	( )
Unknown	(X)	( )	( )	( )	( )
Other, Please Specify					
<b>6. External Protection</b> (Mark all that Apply)					
Cathodic Protection	( )	( )	( )	( )	( )
Coated (e.g. asphaltic/epoxy)	( )	( )	( )	( )	( )
Fiberglass Reinforced Plastic Coated	( )	( )	( )	( )	( )
None	( )	( )	( )	( )	( )
Unknown	(X)	( )	( )	( )	( )
Other, Please Specify					
<b>7. Piping</b> (Mark all that Apply)					
Bare Steel	( )	( )	( )	( )	( )
Galvanized Steel	(X)	( )	( )	( )	( )
Fiberglass Reinforced Plastic	( )	( )	( )	( )	( )
Cathodically Protected	( )	( )	( )	( )	( )
Coated/Wrapped	( )	( )	( )	( )	( )
Unknown	( )	( )	( )	( )	( )
Other, Please Specify					
<b>8. Substance Currently or Last Stored</b> in Greatest Quantity by Volume (Mark all that Apply)					
a. Petroleum					
Diesel	( )	( )	( )	( )	( )
Kerosene	( )	( )	( )	( )	( )
Gasoline (including alcohol blends)	( )	( )	( )	( )	( )
Used Oil	( )	( )	( )	( )	( )
Heating Oil	(X)	( )	( )	( )	( )
Other, Please Specify					
b. Hazardous Substance					
	( )	( )	( )	( )	( )
Please Indicate Name of Principal CERCLA Substance _____					
or					
Chemical Abstract Service (CAS) No. _____					
Mark box if tank stores a mixture of substances					
	( )	( )	( )	( )	( )
c. Unknown					
	( )	( )	( )	( )	( )

**9. Additional information (for tanks permanently taken out of service)**  
(Mark all that Apply)

a. Estimated date last used (mo/day/yr) \_\_\_\_\_

b. Estimated quantity of substance remaining (gal.) \_\_\_\_\_

c. Mark box if tank was filled with \_\_\_\_\_

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the following pages and staple continuation sheets to this form.

Indicate number of continuation sheets attached  
1

FACILITY NUMBER \_\_\_\_\_  
(State Use Only)

I. OWNERSHIP OF TANK(S)

Name: H. L. Mills, Inc.  
Street: 45 W. Baltimore Street  
City: Hagerstown State: MD Zip: 21740  
Phone: 301-739-2900 County: Washington

TYPE OF OWNER

- Federal (GSA facility ID# \_\_\_\_\_)
- State  County
- Municipal  Public School District
- Private or Corporate  Volunteer Fire or Ambulance Company
- Current  Former
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II. LOCATION OF TANK(S)

Name: D&P Coin-Op Laundry  
Street: 140 Summit Avenue  
City: Hagerstown State: MD Zip: 21740  
County: Washington  
Number of tanks at this location: 1

III. CONTACT PERSON AT TANK LOCATION

Name: Courtney Mills  
Job Title: Corporate Officer - President  
Area Code: 301 Phone: 739-2900

IV. TYPE OF NOTIFICATION

Check here only if this is an amended or subsequent notification for this location.

NOTE: NOT APPLICABLE TO HEATING OIL TANKS ON-SITE.

I have financial responsibility in accordance with Subpart I of RCRA. Please specify:

Method: \_\_\_\_\_

Insurer: \_\_\_\_\_

Policy Number: \_\_\_\_\_

V. CERTIFICATION  
(Read and sign after completing Section VII.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name: Courtney M. Mills  
(Please Print)

Title: President

Signature: [Handwritten Signature]

Date Signed: 4-13-90

VI. CERTIFICATION OF COMPLIANCE  
(Complete for all new tanks at this location)  
(All others skip to next page)

The installer has been certified by the Maryland Department of the Environment.

OATH: I certify that the information concerning installation provided is true to the best of my belief and knowledge.

Installer: \_\_\_\_\_

Date: \_\_\_\_\_

Certificate Number: MDIC- \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Release Detection (Mark all that apply)

- Automatic tank gauging.
- Vapor monitoring.
- Groundwater monitoring.
- Interstitial monitoring within a secondary barrier.
- Interstitial monitoring within a secondary containment.
- Automatic line leak detectors.
- Line tightness testing.
- Another method allowed by the Maryland Department of the Environment. Please specify: \_\_\_\_\_

None

Corrosion Protection

As specified for coated steel tanks with cathodic protection.

As specified for coated steel piping with cathodic protection.

D+P Coin-Op Laundry  
 140 Summit Avenue Hagerstown, MD 21740

Tank Identification Number \_\_\_\_\_

VII. DESCRIPTION OF UNDERGROUND STORAGE TANKS

	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4	Tank No. 5
<b>1. Status of Tank</b> (Mark all that Apply)					
Currently in Use	(X)	( )	( )	( )	( )
Temporarily Out of Use	( )	( )	( )	( )	( )
Permanently Out of Use	( )	( )	( )	( )	( )
Brought Into Use after 3/15/85	( )	( )	( )	( )	( )
<b>2. Estimated Age (Years)</b>					
	(27)	( )	( )	( )	( )
<b>3. Estimated Total Capacity (Gallons)</b>					
	(1,000)	( )	( )	( )	( )
<b>4. Material of Construction</b> (Mark all that Apply)					
Steel	(X)	( )	( )	( )	( )
Concrete	( )	( )	( )	( )	( )
Fiberglass Reinforced Plastic	( )	( )	( )	( )	( )
Double Wall	( )	( )	( )	( )	( )
Unknown	( )	( )	( )	( )	( )
Other, Please Specify					
<b>5. Internal Protection</b> (Mark all that Apply)					
Interior Lining (e.g. epoxy resins)	( )	( )	( )	( )	( )
None	( )	( )	( )	( )	( )
Unknown	(X)	( )	( )	( )	( )
Other, Please Specify					
<b>6. External Protection</b> (Mark all that Apply)					
Cathodic Protection	( )	( )	( )	( )	( )
Coated (e.g. asphaltic/epoxy)	( )	( )	( )	( )	( )
Fiberglass Reinforced Plastic Coated	( )	( )	( )	( )	( )
None	( )	( )	( )	( )	( )
Unknown	(X)	( )	( )	( )	( )
Other, Please Specify					
<b>7. Piping</b> (Mark all that Apply)					
Bare Steel	( )	( )	( )	( )	( )
Galvanized Steel	(X)	( )	( )	( )	( )
Fiberglass Reinforced Plastic	( )	( )	( )	( )	( )
Cathodically Protected	( )	( )	( )	( )	( )
Coated/Wrapped	( )	( )	( )	( )	( )
Unknown	( )	( )	( )	( )	( )
Other, Please Specify					
<b>8. Substance Currently or Last Stored</b> in Greatest Quantity by Volume (Mark all that Apply)					
a. Petroleum					
Diesel	( )	( )	( )	( )	( )
Kerosene	( )	( )	( )	( )	( )
Gasoline (including alcohol blends)	( )	( )	( )	( )	( )
Used Oil	( )	( )	( )	( )	( )
Heating Oil	(X)	( )	( )	( )	( )
Other, Please Specify					
b. Hazardous Substance					
Please Indicate Name of Principal CERCLA Substance _____					
or					
Chemical Abstract Service (CAS) No. _____					
Mark box if tank stores a mixture of substances					
c. Unknown	( )	( )	( )	( )	( )
<b>9. Additional information (for tanks permanently taken out of service)</b> (Mark all that Apply)					
a. Estimated date last used (mo/day/yr)					
b. Estimated quantity of substance remaining (gal.)					
c. Mark box if tank was filled with					

# RCRAInfo CM&E EVALUATION -- VIOLATION FORM

March 2008

*EPA ID Number	MDD 003077989	EIN	
Handler Name	Herald Mail		
Street	100 Summit Ave		
City	Hagerstown	State	Md.
		Zip Code	21740
Actual Generator Status <small>Check only if different from Notified Status.</small>	LQG <input type="checkbox"/>	SQG <input type="checkbox"/>	CESQG <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Non-Handler <input type="checkbox"/>

Universe Change Required? <small>(Generator Status Change Required)</small>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<small>If YES, complete the Universe Change Section (on reverse side of this form).</small>
RCRA Non-Notifier?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<small>If YES, complete the Handler Section (on reverse side of this form).</small>

Other Facility Information Changes?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<small>If YES, complete the Handler Section (on reverse side of this form).</small>
-------------------------------------	---	---

\*EVALUATION     Add     Update     Delete    **You must provide an Evaluation Identifier (also known as the Sequence Number).**

*Evaluation Identifier	*Type	*Evaluation Start Date <small>(mmdd/yyyy)</small>	*Agency	Responsible Person	Suborganization
1	NRR	06/28/2006	S	DEF	
<small>Day Zero (mmdd/yyyy): You need to specify Day Zero for all evaluation types except CDI, CSE, FUI, SNY, and SNN, otherwise it defaults to Evaluation Start Date. For CDI, CSE, FUI, and SNY evaluations, you must select a previous CEI Start Date for the Day Zero. SNN evaluation type does not require a Day Zero.</small>			<small>Reclassified SV Date: Only applicable for SNY evaluation type as appropriate.</small>		

Notes: file review to close open violation

**Evaluation Indicator Field (Check all that apply)**

Citizen Complaint   
  Multimedia Inspection   
  Sampling   
  Not Subtitle C

**Focused Coverage Areas (Use Only for Evaluation Type FCI)**

Regulation-Specific FCI

BIF     CCI     CFI     INC     LDR     PTB     PTX   
 THI     UIC     UOI     UWR     OTHER (specify): \_\_\_\_\_

Routine/Standardized FCI

CAR     CPC     DOS     EMR     IEI     ISI     RTI

Does this Evaluation Add/Update/Delete a Violation?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	<small>If Yes, fill in the Violations Section(s) on page 2 of this form.</small>
Does this Evaluation link to a Commitment?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<small>If Yes, please use the RCRAInfo 3007 Information Requests and Commitments Form.</small>
Does this Evaluation link to a 3007 Request?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<small>If Yes, please use the RCRAInfo 3007 Information Requests and Commitments Form.</small>

**OUTSTANDING VIOLATIONS COVERED BY ABOVE EVALUATION?** YES  NO  If Yes, fill in information below.

*Seq. No.	*Violation Type	*Agency	*Regulation Citation <small>(Type + Citation) (ex. FR 262.1)</small>	*Date Determined <small>(mmdd/yyyy)</small>

\*Required Fields

EPA ID Number <i>MDD 003077989</i>	Handler Name <i>Herald Mail</i>
---------------------------------------	------------------------------------

**VIOLATIONS SECTION**  
(Additional Violations can be added/updated/deleted using the RCRAInfo CM&E Additional Violations Form)

VIOLATION  Add  Update  Delete Link to Above Evaluation

Seq. No	Violation Type	Agency	Determined Date (mm/dd/yyyy)	Return to Compliance (RTC) Qualifier	Actual RTC Date (mm/dd/yyyy)
<i>2</i>	<i>268A</i>	<i>5</i>	<i>08/07/1989</i>	<i>D</i>	<i>09/18/1989</i>
Notes:					

LINK CITATIONS TO ABOVE VIOLATION? YES  NO  If Yes, fill in information below

Citation Type	Citation
Citation Type	Citation

VIOLATION  Add  Update  Delete Link to Above Evaluation

Seq. No	Violation Type	Agency	Determined Date (mm/dd/yyyy)	Return to Compliance (RTC) Qualifier	Actual RTC Date (mm/dd/yyyy)
Notes:					

LINK CITATIONS TO ABOVE VIOLATION? YES  NO  If Yes, fill in information below

Citation Type	Citation
Citation Type	Citation

**HANDLER SECTION (Fill out if RCRA Non-Notifier)**

Handler Name	Contact
Street	State
City	Zip Code
County	

**UNIVERSE CHANGE SECTION (Fill out if Universe Change Required)**

I. Indicate the Facility's current Universe(s): <i>CEP</i>	LQG <input type="checkbox"/> SQG <input type="checkbox"/> CEG <input type="checkbox"/> Non-Handler <input type="checkbox"/> Closed <input type="checkbox"/>	
II. Indicate the new RCRAInfo Generator Universe: Note: All TSD activity changes must be handled by the IOR and cannot be made using this form.	Transporter <input type="checkbox"/> Non-Transporter <input type="checkbox"/>	
III. Indicate the new transporter status: (Only fill out if the facility requires a transporter status change)	If the transporter box is checked, you must check at least one mode of transportation below: <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Rail <input type="checkbox"/> Other <input type="checkbox"/> Highway	Check non-transporter if the facility is currently listed in RCRAInfo as a transporter AND no longer transports hazardous waste.

\*Required Fields

Maryland Department of the Environment

Hazardous Waste Program - Hazardous Waste Enforcement Division

MEMO TO FILE

MDD 003077989

From: D. Frantz Date: 6/28/06

Facility/Project Name: Herald Mail Co.

Conversation with: N/A

*file review*

Telephone \_\_\_\_\_ In Person \_\_\_\_\_

Comments:

*Open ~~LDR~~ LDR violation dated 8/7/89. Inspection on 9/18/89 found company in full compliance. LDR should be closed with RTC date of 9/18/89. No record of EPA enforcement action.*

Forward to: \_\_\_\_\_

Referred to other agency \_\_\_\_\_

File *by 2/3/06*

Other \_\_\_\_\_



MDD003077989

Report of Observations

FI89-0807-WA-0239

Type of Inspection/Observations: 8-7-89 Rept of Observation Followup Date 9/18/89

Facility Name: Herald-MAIL CO., 100 Summit Ave, Hagerstown, MD 21740

Remarks: RCRA inspection followup to MDE's 8-7-89 Rept of Observation requirements revealed the following:

- One (1) Drum of "WASTE-FLAMMABLE LIQUID" (55 gal) Drum has been transported and disposed of at Safety-Kleen Corp, LINDEN, N.J. on 8-10-89 as per Manifest Document # NJA 0629084, which is addressed in facility's 9-1-89 letter to MDE.

- A distillation machine is now operational and being used to recycle (in 6-12 gal increments) solvent waste, and as per facility's 8-10-89 letter, this facility will become a CTS conditionally exempt generator. All waste ink is a non-regulated waste, & exhibits no CTS characteristics.

- Contingency Plan/Emergency Procedures Plan, Preparedness + Prevention Plans and Personnel Training Program requirements outlined in MDE's 8-07-89 Report of Observation are waived due to the facility's small qty conditionally exempt status.

The above constitutes full compliance with MDE's 8-7-89 Report of Observation and COMAR 26.13 requirements.

Observer:

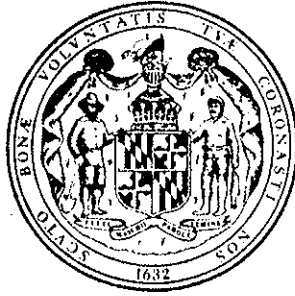
Carter A. Borne

Person Interviewed:

Zane Berhala

9-18-89

89-0807-WA-023



State of Maryland
Department of Health and Mental Hygiene
Office of Environmental Programs
201 W. Preston St., Balto. MD 21201

YR MO DY
89 08 07

DHS Inspection Form
Generators/TSD Facilities

TIME
1005

EPA ID Number
MD D003077989

TELEPHONE
301-733-5131

Owner/Operator ZANE Oberhoffer, Mount Super Facility Name Herald-MAIL Co.
Address 100 Summit Ave., Hagerstown, MD Zip 21740
Description of Work Activity Newspaper Publication

I. Generators

A. Description (10.51.03.01-.03)

- 1) Does the Facility generate or has it accumulated those quantities of hazardous waste described in 10.51.02.05 C? Yes, No.
2) Has the facility obtained an EPA identification number? Yes, No.
3) Describe the amount of waste generated. (day, week or month) 55 gal sum per hr
4) Under which category is the waste(s)? Ignitable, Reactive, Corrosive, EP Toxic, RCRA Listed

B. Manifest (10.51.03.04)

- 1) Is Maryland manifest system in operation for off-site shipment? Yes, No.
2) Is TSD Facility to receive DHS identified by Name, Address, EPA ID Number?
3) Is alternate facility identified? Yes, No.
4) Is generator identified by Name, Address, Telephone Number, MD/EPA ID Number?
5) Is each transporter identified by Name, EPA ID Number, Maryland Certification Number?
6) Is waste properly described? Yes, No.
7) Is shipment date marked? Yes, No.
8) Is quantity of waste described by Unit of Weight, Volume?
9) Are containers to be loaded identified by Type, Number?
10) Is proper certification noted and signed by generator? Yes, No.
11) Are adequate copies available for operator, transporter and TSD? Yes, No.

C. Pre-Transport Requirements (10.51.03.05)

- 1) Is each container marked with date accumulation began? Yes, No. If yes, has any waste been stored over 90 days? Yes, No. How much? Less than 500 kilograms 7-7-87
2) Are containers in good condition? Yes, No. If no, explain
3) Are containers properly labeled? Yes, No.
4) Does generator have approved emergency contingency plan? Yes, No.

D. Recordkeeping and Reporting (10.51.03.06)

- 1) Does the generator have: copies of all signed manifests from the previous three years? Yes, No; N/A
copies of each Annual Report and Exception Report? Yes, No.
2) Does the generator retain, for a period of three years, all wastes analyses? Yes, No. N/A
3) Has the generator filed Exception Reports as required by 10.51.03.06 C? Yes, No. N/A

II. Treatment, Storage, Disposal (TSD)

A. Site characterization (10.51.05.02)

- 1) Facility Type
Thermal Treatment Biological Treatment
Recycling/Recovery Land Treatment
Waste Oil Incineration
Chemical Treatment Landfill Operation
Physical Treatment Below Ground Tanks
Open Pile Other
Surface Impoundment
Drums
Above Ground Tank(s)

- 2) Does facility generate DHS? Yes, No.
3) Does facility have waste analysis plan? Yes, No. If yes, are the procedures of that plan being followed? Yes, No.
4) Can facility personnel identify DHS being handled? Yes, No.
5) Can facility personnel confirm that DHS received equal those on manifest for it? Yes, No.
6) Is there a 24-Hour surveillance system to monitor active portion of facility? Yes, No.
If No, is there an artificial or natural boundary? Yes, No. Is there a means to control entry? Yes, No. Is there a restricted access sign posted? Yes, No.

- 7) Does facility have: emergency equipment inspection log, written schedule for inspections, security devices, operating & structural prevention equipment?
8) Have facility personnel completed classroom/on-site training? Yes, No.
Are records maintained of: Job titles/names of employees, job descriptions, Type/amount of continuing training?
9) Are general requirements for Ignitable, Reactive or Incompatible Wastes as required in 10.51.05.02 H addressed? Yes, No.

B. Preparedness and Prevention (10.51.05.03)

- 1) Facility has the following equipment? Internal communication/alarm system for on-site personnel, device for summoning emergency assistance, adequate fire control equipment, water, & suppression chemicals, list of aforementioned equipment.
2) Does facility have adequate area for emergency movement? Yes, No.

C. Contingency Plan and Emergency Procedures (10.51.05.04)

- 1) Does facility have an approved contingency plan for: Personnel to implement emergency procedures to fire, explosions, and unplanned releases to air, soil and water?
Responding emergency units to provide assistance during emergency situations?
A list of emergency equipment needed to cope with situation?
2) Are emergency response coordinators listed by name, address, & phone number? Yes, No.
3) Is there an evacuation plan if recommended? Yes, No.
4) Are emergency coordinators available on twenty-four hour basis? Yes, No.

D. Manifest System, Recordkeeping, and Reporting (10.51.05.05)

- Facility has a written operating record which contains the following information:
description & quantity of DHS received.
method & date of DHS treatment, storage, or disposal.
location & quantity at each DHS location in facility.
detailed records & results of waste analysis & treatability tests performed.
detailed operating summary reports.
description of emergency incidents that required implementation of contingency plan.
records & results of inspections of emergency equipment, TSD systems & hazardous waste areas.
Has facility retained, for at least 3 years, copies of all manifests? Yes, No.



- N/A** **Groundwater Monitoring (10.51.05.06)**
- Has facility implemented a groundwater monitoring program? Yes, No, N/A.
  - Are samples from the groundwater monitoring system being analyzed according to the groundwater sampling and analyses plan? Yes, No.
  - Is this plan set up in accordance with 10.51.05.06 C? Yes, No.
  - Has groundwater quality assessment program been prepared? Yes, No.
  - Are proper groundwater sampling and analyses records kept? Yes, No.
  - Are the necessary reports on groundwater monitoring information being forwarded to the Secretary? Yes, No.
  - Do the reports match the facility records? Yes, No.

- N/A** **F. Closure, Post-closure, and Financial Requirement (10.51.05.07 & .08)**
- Does the facility have an approved closure plan that meets the financial requirements? Yes, No.
  - For surface impoundments, land treatment, and landfills, does the facility have an approved post-closure plan that meets the financial requirements? Yes, No.
  - Does facility maintain liability insurance? Yes, No.

- G. Container Management (10.51.05.09)**
- Are all containers: (a)  in good condition, i.e., no signs of leakage, corrosion, or any other deterioration/deformation; (b)  lined or made of compatible material such that hazardous wastes placed into them will not result in reaction or corrosion; (c)  sealed during storage.
  - Are storage areas for hazardous waste containers inspected by owner/operator at least once a week? Yes, No.
  - Is an inspection log maintained? Yes, No.
  - Are containers holding ignitable or reactive waste located at least 50 feet from the facility's property line? Yes, No.
  - Are incompatible wastes placed in separate containers? Yes, No.
  - Are storage containers holding hazardous wastes which are incompatible with nearby materials stored in containers, tanks, piles, or surface impoundments separated by dikes, berms, walls, or other devices? Yes, No. **N/A**

- N/A** **Tanks (10.51.05.10)**
- Are all tanks in good condition, i.e., no signs of leakage, corrosion, or any other deterioration? Yes, No.
  - Are uncovered tanks operated to ensure a minimum of two feet of freeboard? Yes, No. If not, is tank equipped with a containment structure (e.g., dike or trench), a drainage control system, or a diversion structure (e.g., standby tank) with a capacity that equals or exceeds the volume of top 2 ft. of the tank? Yes, No.
  - Are tanks with continuous inflow of hazardous waste equipped with a means to stop this inflow (e.g., waste feed cut-off system or by-pass to a standby tank)? Yes, No.
  - Are waste analyses conducted or written documentation obtained before placing a substantially different hazardous waste into tank used for storage or treatment? Yes, No.
  - Are daily inspections conducted for discharge control equipment (e.g., by-pass systems, waste feed cut-off systems and drainage systems)? Yes, No.
  - Is data gathered from monitoring equipment (e.g., pressure and temperature gauges) at least once each operating day? Yes, No.
  - Is the level of waste in the tank checked at least once each operating day? Yes, No.
  - Is (are) the tank(s) inspected weekly to detect corrosion or leaking of fixtures or seams? Yes, No.
  - Are the results of these inspections recorded in an inspection log or summary? Yes, No.
  - Are ignitable or reactive wastes stored in tanks? Yes, No. If yes:
    - Is the waste treated, rendered, or mixed before or immediately after placement in the tank so that the resulting waste, mixture, or dissolution of materials no longer meets the definition of ignitable or reactive wastes under Parts 261.21 or 261.23 of the RCRA Regulations? Yes, No.

- N/A**
- Is waste stored or treated in such a way that it is protected from material or conditions which may cause the waste to ignite or react? Yes, No.
  - Is owner/operator of a facility which treats or stores ignitable or reactive wastes in covered tanks in compliance with the National Fire Protection Association's (NEPA's) buffer zone requirements for tanks contained in tables 2-1 through 2-6 of the "Flammable and Combustible Code—1977"? Yes, No.

- W/A** **Surface Impoundments (10.51.05.11)**
- Is two feet of freeboard maintained in the surface impoundment? Yes, No.
  - Do all earthen dikes have protective covers (e.g., grass, shale or rock) to minimize wind and water erosion and to preserve dike structural integrity? Yes, No.
  - Are waste analyses conducted or written documentation obtained before placing a substantially different hazardous waste into a surface impoundment used for storage or treatment? Yes, No.
  - Is the freeboard level inspected daily? Yes, No.
  - Is the surface impoundment, including dikes and vegetation, inspected weekly to detect leaks, deterioration, or failures in the impoundment? Yes, No.
  - Are the results of these inspections recorded in an inspection log or summary? Yes, No.
  - Are ignitable or reactive wastes stored in a surface impoundment? Yes, No. If yes:
    - Is the waste treated, rendered, or mixed before or immediately after placement in the impoundment so that the resulting waste, mixture or dissolution of material no longer meets the definition of ignitable or reactive waste under Parts 261.21 or 261.23 of the RCRA Regulations? Yes, No.
    - Are incompatible wastes segregated in separate surface impoundments so that spontaneous reactions are avoided? Yes, No.

- W/A** **Waste Pile (10.51.05.12)**
- Is wind dispersal of the pile controlled? Yes, No, Not Needed.
  - Are additions to the pile being analyzed prior to adding them to the pile? Yes, No.
  - Is hazardous waste leachate or runoff collected? Yes, No. Is the pile protected from precipitation and runoff? Yes, No.
  - Are ignitable or reactive wastes protected from materials or conditions that might cause it to ignite or react? Yes, No, N/A.
  - Are incompatible wastes hauled in a manner as to assure separation? Yes, No, N/A.

- W/A** **Land Treatment (10.51.05.13)**
- Will the use of land treatment result in the waste being less hazardous or non-hazardous? Yes, No.
  - Is run-on diverted away from the active portion of the facility? Yes, No. Is run-off from the active portion of the facility collected? Yes, No.
  - Has the proper waste analyses been performed? Yes, No.
  - If food chain crops are to be grown on the active portion of the facility has the necessary documentation required been provided? Yes, No.
  - Has the owner/operator written and implemented an unsaturated zone monitoring plan? Yes, No.
  - Have the additional requirements for a closure and post-closure plan been addressed? Yes, No.
  - Are ignitable or reactive wastes immediately incorporated into the soil? Yes, No.
  - Are incompatible wastes hauled according to 10.51.05.13? Yes, No.

- W/A** **Landfills (10.51.05.14)**
- Is run-on diverted away from the facility's active portions? Yes, No.
  - Is run-off collected from the landfill's active portions? Yes, No.
  - Has a hazardous waste determination been made on the run-off? (Identification and Listing of Hazardous Waste) Yes, No.
  - Is the landfill managed so as to control wind dispersal? Yes, No.

- N/A
- Are the following items maintained in the operating record: \_\_\_\_\_ on a map, the exact location and dimensions, including depth, of each cell with respect to permanently surveyed benchmarks? \_\_\_\_\_ contents of each cell and approximate location of each hazardous waste type within the cell?
  - Are bulk, non-containerized or waste containing free liquids placed in the landfill? \_\_\_\_\_ Yes, \_\_\_\_\_ No. If yes: \_\_\_\_\_ is a leachate collection system available to remove leachate?, and \_\_\_\_\_ is the liquid stabilized or treated physically or chemically prior to disposal?
  - Are empty containers crushed flat or shredded before burial in the landfill? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Are containers holding liquid wastes (or waste containing free liquids placed in the landfill? \_\_\_\_\_ Yes, \_\_\_\_\_ No. If yes, describe containers on comments below.
  - Are ignitable or reactive wastes placed in a landfill? \_\_\_\_\_ Yes, \_\_\_\_\_ No. If yes: \_\_\_\_\_ is the waste treated, rendered, or mixed before or immediately after placement in the landfill so that the resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste? \_\_\_\_\_ Are incompatible wastes segregated in different landfill cells?

- N/A
- M. Incinerator/Thermal Treatment (10.51.05.15 & .16)**
- Prior to burning waste not previously incinerated or thermally processed, does the operator conduct waste analysis for the following: \_\_\_\_\_ heating value of the waste; \_\_\_\_\_ halogen content and sulfur in the waste; \_\_\_\_\_ concentrations of lead and mercury unless documented data is available which show these elements not to be present?
  - Are instruments related to combustion and emission control monitored at least every 15 minutes? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Is the stack plume observed visually at least hourly for color and opacity? \_\_\_\_\_ Yes, \_\_\_\_\_ No, \_\_\_\_\_ N/A.
  - Is the incinerator or thermal process and associated equipment inspected daily for leaks, spills and fugitive emissions? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Is all of the above information documented in the facility's operating record? \_\_\_\_\_ Yes, \_\_\_\_\_ No.

- N/A
- Chemical, Physical and Biological Treatment (10.51.05.17)**
- Are all treatment processes or equipment in good condition, i.e., no signs of leakage, corrosion or any other deterioration? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Are treatment processes or equipment with continuous inflow of hazardous waste equipped with a means to stop the inflow? (e.g., waste feed cutoff system or bypass system to a standby containment device) \_\_\_\_\_ Yes, \_\_\_\_\_ No.

- N/A
- Are waste analyses performed or written documentation obtained before placing a substantially different hazardous waste into treatment processes or equipment? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Is this information recorded in the facility's operating record? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Are daily inspections conducted for discharge control equipment (e.g., bypass systems, waste feed cutoff systems, drainage systems and pressure relief systems)? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Is data gathered from monitoring equipment (e.g., pressure and temperature gauges) daily? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Are construction materials of the treatment process or equipment and the immediate surrounding area inspected weekly for signs of leakage, corrosion or any other deterioration? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Are the results of these inspections recorded in an inspection log or summary? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - Are ignitable or reactive wastes placed in a treatment process? \_\_\_\_\_ Yes, \_\_\_\_\_ No. If yes: \_\_\_\_\_ Are wastes treated, rendered, or mixed before or immediately after placement in the treatment process or equipment so that the resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive wastes under Section 261.21 or 261.23 of the RCRA Regulations? \_\_\_\_\_ Are wastes treated in such a way that they are protected from any material or conditions which may cause the waste to ignite or react?
  - Are incompatible wastes kept from being placed in the same treatment process or equipment? \_\_\_\_\_ Yes, \_\_\_\_\_ No.

- O. Permit Requirements (10.51.07)**
- Does the facility have a DHS permit for its activity? \_\_\_\_\_ Yes, \_\_\_\_\_ No. If no, has the facility submitted an application for a DHS permit? \_\_\_\_\_ Yes, \_\_\_\_\_ No.
  - List any special Permit requirements that are not in full compliance.

- 1) DHS containers stored in unapproved containment storage area
- 2) Two DHS containers (solvent) stored without required labels

Comments: 3) Two DHS containers (solvent) stored without evidence of weekly burn inspection log.

4) Two DHS containers (solvent) stored without evidence of start accumulation dates.

5) No evidence of Contingency Plan & Emergency Procedures.

6) No evidence of Preparedness and Prevention Plan.

7) No Personnel Training Program.

Inspector's Name: Robert A. Poore Title: Regional Inspector

Facility Location: Hagerstown

Facility Rep. present during inspection: Zane Oberholzer Title: Maintenance Manager



FI-87-0807-WA-02

Report of Observations

Type of Inspection/Observations: RCRA (CEI) + LDR Date 8/7/89

Facility Name: Herald-Mail Co., 100 Summit Ave., Hagerstown, Md. 2174

Remarks: 1) CEI inspection on subject company revealed that facility is a publisher of two daily newspapers as well as contract insert printing industry.

The facility's waste streams were found to include the following:

- non CHS Printing Press inks (see MSDS) are used for the press ink

- Aliphatic hydrocarbon Solvents (Xylene 100ppm) (CHS) which are ignitable; are used as a solvent to exclusively clean press ink. This solvent (F003) is not a land restricted waste due to the concentration. NO LDR notifications needed

2) This observer found the following CHS violations during the CEI inspection:

~~Facility~~ PAPER STORAGE ROOM

- one 55 gal drum full and one 55 gal drum 1/4 full of waste solvents. Both containers of CHS had no evidence of approved containment storage area for stored drums, in violation of COMAR 26.13.05.02H.
- Both above CHS containers were stored without appropriate CHS labels, in violation of COMAR 26.13.03.05B.
- Both above CHS containers had no evidence of start accumulation dates, in violation of COMAR 26.13.03.05E(1)(c).
- Records review of facility revealed no evidence of Contingency Plan & Emergency Procedures, in violation of COMAR 26.13.05.02F.

Observer: Robert A. Bross

Person Interviewed: Zane Oberhof



FI-89-0807-WA-023

Report of Observations

Type of Inspection/Observations: RCRA ~~CEI~~ + LDR - Continued Date 8/7/89  
 Facility Name: Herald-mail Co, 100 Summit Ave, Hagerstown, MD 21740

Remarks:

- Records review of facility revealed no evidence of a Preparedness and Prevention Plan, in violation of COMAR 26.13.05.03,

- Records review of facility further revealed no evidence of a Personnel Training Program, in violation of COMAR 26.13.05.025.

The Administration requires that the Herald-Mail Co. complete the following to comply with COMAR 26.13 requirements

① By 8-7-89 implement and post both start accumulation dates as well as required CHS labeling on both CHS containers.

② By 8-31-89 construct and implement approved CHS contaminant storage area

③ By 9-7-89 submit to the Hagerstown HSWMA Regional Office (Rt. 12, Box 107) for review and approval -

- a) Contingency Plan
- b) Preparedness & Prevention Plans
- c) Personnel Training Program

Mr. Zane Oberholzer, Herald-Mail Maintenance Supervisor stated that the Herald-Mail facility has purchased a solvent distillation machine which will be operational next week and that at that time will be CHS conditionally exempt ~~equipment~~. I requested that Herald-Mail provide the Hagerstown HSWMA office a letter confirming his comments.

Observer: Robert H. Reese

Person Interviewed: Zane Oberholzer

Generator Checklist - Land Ban Inspections

Inspector: Robert A. Bone

Herald Mail Co.  
100 Summit Ave.  
Hagerstown, MD  
21742

268.30 1. Does the facility generate F - solvent wastes (i.e., F001 - F005)? \* Yes No

268.31 2. Does the facility generate Dioxin wastes (i.e., F020, F021, F022, F023, F026, F027 or F028)? Yes No N/A

268.32 3. Does the facility generate waste on the California List (see definition below)? Yes No

Liquid - pH  $\leq$  2 Yes No

Liquid - PCB  $\geq$  50 ppm Yes No

Liquid/Non-Liquid - HOC  $>$  1000 mg/l Yes No

Liquid - Cyanides  $\geq$  1000 mg/l Yes No

Liquid - Metals as follows Yes No

Arsenic	$>$	500 mg/l
Cadmium	$>$	100 mg/l
Chromium	$>$	500 mg/l
Lead	$>$	500 mg/l
Mercury	$>$	20 mg/l
Nickel	$>$	134 mg/l
Selenium	$>$	100 mg/l
Thallium	$>$	130 mg/l

268.10 4. Does the facility generate any waste on the first third list? Yes No

If yes, circle the appropriate ones on the attached listing.

261.31 5. Is there evidence to indicate that an F001 - F005 solvent waste was misclassified as a listed "U" waste? Yes No N/A

If yes, describe

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\* Blanket wash solvent is used to clean paper press is a Xylene (F003) constituent, however @ only 100 ppm ~~const~~ concentration instead of 100%  
 @ only 100 ppm ~~const~~ concentration instead of 100%  
 @ only 100 ppm ~~const~~ concentration instead of 100%

6. Does waste analysis data indicate that a soft hammer "F", "X", "P" or "U" listed waste may qualify as a California List waste because of HOC, metals or cyanide content?

Yes No N/A

If yes, describe

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7. Have any hazardous wastes been reclassified recently from one list code to another thereby impacting its LDR status?

Yes No

If yes, describe:

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268.41(b) 8. Does the generator mix restricted wastes having different treatment standards for the same constituent(s) prior to shipping off-site?

Yes No

If yes, was the most stringent treatment standard for the constituent(s) shown on the notification?

Yes No

9. Is there evidence to indicate that a treatability group (i.e., wastewater (< 1% TOC) or other) of a F solvent waste was incorrectly determined?

Yes No N/A

If yes, describe

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F006*	K073	P084	U077	U248
7	83	87	78	249
8	84	89	86	
9	85	92	89	
19	86	94	103	
K001*	87*	97	105	
4	99*	102	108	
8	100	105	115	
11	101	108	122	
13	102	110	124	
14	103*	115	129	
15*	104*	120	130	
16*	106	122	133	
17		123	134	
18*	P001		137	
19*	4	U007	151	
20*	5	9	154	
21	10	10	155	
22	11	12	157	
24*	12	16	158	
30*	15	18	159	
31	16	19	171	
35	18	22	177	
36	20	29	180	
37*	30	31	185	
44*	36	36	188	
45*	37	37	192	
46	39	41	200	
47*	41	43	209	
48*	48	44	210	
49*	50	46	211	
50*	58	50	219	
57*	59	51	220	
52*	63	53	221	
60	68	61	223	
61	69	63	226	
62*	70	64	227	
69	71	66	228	
71*	81	67	237	
	82	74	238	

\* = Not Soft Hammer

10. Is there evidence to indicate that a liquid/non-liquid classification of a California List waste was incorrectly determined (i.e., failure to perform paint filter liquids test)?

Yes No N/A

If yes, describe

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11. Is there evidence to indicate that a wastewater/non-wastewater (>1% TOC and >1% TSS) designation of a first third waste was incorrectly determined?

Yes No N/A

If yes, describe

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168.3 12. Is any restricted waste being diluted as a substitute for treatment?

Yes No

168.7(a) 13. Did the generator determine its waste was restricted from land disposal by

a. testing the waste or an extract of the waste?

Yes No

b. knowledge of waste and the process from which it was generated?

Yes No





If the waste is shipped off-site, answer questions 14-17

- |   |   |     |    |     |
|---|---|-----|----|-----|
| 58.7(a)(1) 14.  | Does the generator notify the treatment/storage facility of appropriate treatment standards or prohibition levels if waste exceeds these standards/levels?  | Yes | No | N/A |
| 58.7(a)(2) 15.  | Does the generator submit a notice and certification to the treatment/disposal facility that the waste can be land disposed if it meets the applicable treatment standards or prohibition levels?   | Yes | No | N/A |
| 58.7(a)(3) 16.  | Does the generator submit a notice to the treatment/disposal facility that the restricted waste can be land disposed if subject to a case by case extension, an exemption or a nationwide variance? | Yes | No | N/A |
| 58.7(a)(6) 17.  | Has the generator retained in on-site files   |     |    |     |
|   | a. All data used to support the status of the waste (i.e., restricted or non restricted) including knowledge of waste and test results?   | Yes | No |     |
|   | b. Copy of waste analysis plan?   | Yes | No | N/A |
|   | c. Copies of all notices and certifications that were sent to treatment/disposal facilities?  | Yes | No | N/A |
| Answer the following question if the generator stores on-site a restricted waste  |   |     |    |     |
| 68.50(a)(1) 18.   | Is the restricted waste stored for accumulation to facilitate proper recovery, treatment or disposal?   | Yes | No |     |
| Answer the following questions if the generator disposes of its soft hammer waste off-site in a landfill or surface impoundment |   |     |    |     |
| 68.8(a)(1) 19.  | Has the generator made a good faith effort to locate and contract with treatment/recovery facilities that are practically available and will provide the greatest environmental benefit?            | Yes | No |     |

If yes, is adequate supportive material available?

Yes No

N/A

268.8(a)(2)(f) 20. If a generator determines that there is no practically available treatment for its waste, does adequate documentation exist to substantiate this claim?

Yes No

N/A

268.8(a)(2) 21. Did the generator submit a demonstration and certification to the Regional Administrator stating that a good faith effort was made to locate a suitable treatment or recovery facility?

Yes No

268.8(a)(2)(f) 22. Has the generator actually contracted with such a treatment/recovery facility?

Yes No

If no, answer the following

268.8(a)(3) a. is a copy of the demonstration and/or certification submitted to the disposal facility receiving the waste?

Yes No

268.8(a)(3) b. does the generator retain copies of these demonstrations and certifications?

Yes No

N/A



# United States Printing Ink Corporation

ENVIRONMENTAL DEPARTMENT

343 Murray Hill Parkway • East Rutherford, New Jersey 07073 • NJ 201-933-7100

PREPARED BY: *Richard A. Adlbeck*  
ENVIRONMENTAL COORDINATOR

## MATERIAL SAFETY DATA SHEET

For chemicals, coatings and related materials

In compliance with OSHA 29 CFR 1910.1200

DATE PREPARED:  
7-5-88

### Manufacturer

NAME: U.S. Printing Ink Corporation  
ADDRESS: 343 Murray Hill Pky.  
ADDRESS: East Rutherford, N.J.  
ADDRESS:  
EPCODE: 07073

EMERGENCY PHONE NUMBER  
DAY: (801)933-7100  
NIGHT: (801)933-7100

INFORMATION PHONE NUMBER  
(801)933-7100

### Section I - Product

NUMBER: ER-11845  
NAME: LOW RUB BLACK  
CLASS: WEB OFFSET

H.M.I.S. Hazard Codes:  
Health: 1 Slight  
Flammability: 3 Slight  
Reactivity: 0 Minimal  
Personal Protective Equipment: None

### Section II - Hazardous Ingredients

Ingredient	Percent	C. A. S.	LEL	Vapor Pressure
Material Description	(by weight)	Registry No.	mm Hg @ 20 C	
TREATED NAPHTHENIC DISTILLATES	N/A	(OIL MIST)	N/A	0.01

### Section III - Physical Data

Boiling Range: 500 to	N/A deg F	Freezing Point: N/A	deg F
Vapor Pressure: N/A	mm @ 20 deg C	Vapor Density: N/A	(Lighter than air)
Specific Gravity: 1.0		H2O Solubility: Negligible	( < 0.1%)
Evaporation Rate: Slower		% Volatile by Volume: N/A	
(relative to n-butyl acetate)			

Appearance and Odor: BLACK PASTE, MILD

### Section IV - Fire and Explosion Hazard Data

Flash point: 230 deg F	Explosive Limits: LEL	UEL (XU in air)
Method Used) Pensky-Martens	N/A	N/A

FLAMMABILITY CLASSIFICATION  
OSHA: Combustible Liquid - Class IIIB  
DOT: Not regulated

EXTINGUISHING MEDIA:  
foam, dry chemical, water foam

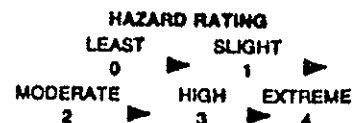
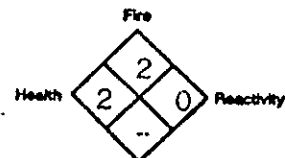
SPECIAL FIRE FIGHTING PROCEDURES:  
no special fire fighting equipment necessary  
Use self-contained breathing equipment in enclosed areas

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
N/A

### Section V - Toxicological Information

Ingredient	OSHA PEL	ACGIH TLV (twa)	LD50 (mg/kg)	LC50 (ppm)
Material Description	mg/m <sup>3</sup>	mg/m <sup>3</sup>	(rat) ORAL	(rat) INHAL
TREATED NAPHTHENIC DISTILLATES	5	5	N/A	N/A

# MATERIAL SAFETY DATA SHEET



This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)

PRODUCT NAME: WM-6 Odorless Roller & Blanket Wash		DATE: 11/26/85
MANUFACTURER'S NAME Lithographic Solvents Company, Inc.		
STREET ADDRESS 1350 Beverly Road, Suite 115-342		
CITY, STATE, AND ZIP CODE McLean, Virginia 22101		

EMERGENCY PHONE NUMBER • 1-800-824-7888, Ext. M767 • This number is available days, nights, weekends and holidays.

<p>PRODUCT: WM-6 Odorless CHEMICAL NAME: NA CAS NUMBER: Not Applicable for Blends DOT PROPER SHIPPING NAME: Combustible Liquid UN Number: 1142 VOC: 99% - Rule 1130 Photochemically reactive - rule 102</p>	<p>WARNING STATEMENT: Combustible Mixture Toxic Avoid prolonged or repeated vapor breathing Avoid prolonged or repeated eye or skin contact. If swallowed, do NOT induce vomiting; seek medical attention immediately. FOR INDUSTRIAL USE ONLY Use in well ventilated area.</p>
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Section I - INGREDIENTS		
MATERIAL	TLV*	SOURCE
1. Aromatic 100 CAS#64742-88-7 contains: xylene n-nonane trimethyl benzenes naphthalene C <sub>8</sub> -C <sub>11</sub> paraffins, cycloparaffins	NE 100ppm 200ppm 25ppm 10ppm NE	OSHA ACGIH ACGIH OSHA
2. Naphthol Spirits 66/3 CAS#64642-88-7 -blend of C <sub>9</sub> -C <sub>11</sub> paraffins, cycloparaffins and aromatics	100ppm	ACGIH

TLV - Threshold Limit Value

NE - Not Established

NA - Not Applicable

Federal Law Requires persons receiving this Material Data Sheet to study it carefully, become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents, and contractors of the information on this sheet, (2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.



80782 - R2271  
 FLUID RECOVERY SERVICE  
 CONTROL #: 040803

PRE/SHIP ANALYSIS - COMPLETE  
 CUSTOMER SURVEY  
 \* \* \* FLUID RECOVERY SERVICE \* \* \*

07/17/89

PAGE 1 OF 2  
 REVISED DATE 07/17/89  
 SAMPLE #: 050488

HERALD MAIL  
 100 SUMMIT AVENUE  
 HAGERSTOWN MD 21740

FEDERAL EPA ID: COUNTY: WASHINGTON NATURE OF BUSINESS: NEWSPAPERS  
 STATE EPA: IL: MO. ID: ID: SIC #:  
 MANIFEST ADDRESS IS BILLING MANIFEST TO

MATERIAL DESCRIPTION:	MATERIAL COMPOSITION (VOL%):	MIN	MAX	TYPICAL
BLANKET WASH	MINERAL SPIRITS, ALIPHATIC (C8)			60.0
PROCESS DESCRIPTION:	INK			40.0
CLEANING ROLL PRINTERS				
VOLUME : 55 GALS PER QUARTER				
VOLUME ON HAND : 550				
STORAGE CAPACITY : 550 IN DRUMS				
SHIPPING FREQUENCY: 90 DAYS IN DRUMS				
COLOR : BLACK PURPLE				
LAYERS : TWO				
PHYSICAL STATE: LIQUID				
VISCOSITY : LOW				
	WATER			
	NON-VOLATILE MATERIAL			
	SETTLED SOLIDS			

RESTRICTED SUBSTANCES: NONE

D.O.T HAZARDOUS MATERIAL DESCRIPTION: CUSTOMER REQUESTS ASSISTANCE  
 EPA HAZARDOUS WASTE DESCRIPTION: CUSTOMER REQUESTS ASSISTANCE

PROPER SHIPPING NAME: HAZARD CLASS: HAZARD NO. :

NO(S):  
 CODES:

P.O. NO: 5829 TYPE OF SAMPLE: COMPOSITE #DRUMS: 1 TAKEN BY: SALESREP  
 CONTACT: ZANE OBERHOFER TITLE: MAINT SUPV PHONE: 301/793-5131  
 SALESPERSON: FLUID RECOVERY SERVICES TERRITORY: 6666 BRANCH #: 201601 DATE: 06/28/89

LAB REVIEW:  
 ACCEPT SEG CODE: RELEASED: 07/14/89  
 ANALYST: LM REVIEWER: LM ANALYZED: 07/13/89  
 CORPORATE REVIEWS: DISPOSITION REVIEWER DATE  
 TECHNICAL: ACCEPT EJE 07/14/89  
 REGULATORY: ACCEPT TAL 07/14/89  
 OPERATING: ACCEPT JWH 07/14/89

TRACKING INFO DATE FACILITY  
 RECEIVED: 07/05/89 SK TECHNICAL CENTER  
 HANDLING CODES:  
 502/T50

SK D.O.T. #: 0001001 DRUM OR BULK  
 RQ WASTE FLAMMABLE LIQUID N.O.S.  
 UN1993 (EPA D001) 1001

APPROVED FACILITIES: 654	658	635
SAFETY-KLEEN CORP	SAFETY-KLEEN CORP	SAFETY-KLEEN CORP
633 EAST 138TH ST	STATE HWY 146	1200 SYLVAN ST
DOLTON IL 60419	NEWCASTLE KY 40050	LINDEN NJ 07036
FEDERAL EPA NO: ILD980613913	KYD053348108	NJDO02182897
STATE EPA NO: 0310690006		
TELEPHONE: 312/849-4850 AUTH# 000161	502/845-2453	201/862-2000

COMMENT: OK FOR FUEL. FRS CAT I.

PRICING CODE: F1

THIS SERVES AS NOTICE PER, 40CFR264.12(B), THAT THE FACILITY(IES) NOTED ABOVE HAS THE APPROPRIATE PERMITS AND IS WILLING TO RECEIVE THE MATERIAL DESCRIBED.

FLUID RECOVERY SERVICE  
HERALD MAILCONTROL #: 040803  
SAMPLE #: 050488

GENERAL COMPOSITION (VOL%): BY APPEARANCE	GENERAL ANALYSIS: TOTAL SAMPLE	SPECIFIC GRAVITY AT 72 F 0.842
AQUEOUS PHASE: 38.0 %	COLOR : GREY, PINK	API GRAVITY : 0.0
ORGANIC PHASE: 64.0 %	WATER CONTENT: 47.0 WT%	FLAMMABILITY : FLASHED AT 100 F
BOTTOM SLUDGE: 0.0 %	NON-VOLATILE : 2.8 WT%	BY SETAFLASH
BOTTOM SOLID : 0.0 %	PH: DIRECT BY PAPER 6.0	RADIOACTIVITY: N.D.
	VISCOSITY : <50 CPS	PCB : N.D. < PPM

FUEL EVALUATION (WT%): TOTAL SAMPLE		
HEAT CONTENT: 11600 BTU/LB	BROMINE: < 0.1 %	
HALOGENS:	FLUORINE: < 0.1 %	
ASH: 0.6 %	SULFUR: < 0.1 %	
CHLORINE: 0.1 %	PHOSPHORUS:	

VOLATILE ORGANIC COMPOSITION: TOTAL SAMPLE	BY FID	UNITS: WEIGHT %
MEDIUM ALIPHATIC HYDROCARBONS (C9-C13)	94.0	HEAVY ALIPHATIC HYDROCARBONS (C14-C20) 4.6
LIGHT ALIPHATIC HYDROCARBONS (C5-C8)	1.4	

SUMMARY:				
ALCOHOLS	0.0	KETONES	0.0	CHLORINATED SOLVENTS 0.0
ESTERS	0.0	ALIPHATIC HYDROCARBONS	100.0	AROMATIC HYDROCARBONS 0.0
NITROGEN COMPOUNDS	0.0	GLYCOL ETHERS	0.0	ETHERS 0.0
INHIBITORS	0.0	OTHERS	0.0	MISCELLANEOUS 0.0

ADDITIONAL ANALYTICAL INFO: NVR-SOLID

\$150.<sup>00</sup> a drum



80782 - R2271  
FLUID RECOVERY SERVICE  
CONTROL #: 040897

PRE/SHIP ANALYSIS - COMPLETE  
CUSTOMER SURVEY  
\*\*\* FLUID RECOVERY SERVICE \*\*\*

07/17/89

PAGE 1 OF 2  
REVISED DATE 07/17/89  
SAMPLE #: 050487

HERALD MAIL  
100 SUMMIT AVE.  
HAGERSTOWN

MD 21740

FEDERAL EPA ID: COUNTY: WASHINGTON NATURE OF BUSINESS: NEWSPAPERS  
STATE EPA: IL. MO. ID: ID: SIC #:  
MANIFEST ADDRESS IS BILLING MANIFEST TO

MATERIAL DESCRIPTION:	MATERIAL COMPOSITION (VOL%):	MIN	MAX	TYPICAL
INKS PROCESS DESCRIPTION: PRINTING MACHINES	INK			100.0
VOLUME : 55 GALS PER QUARTER VOLUME ON HAND : 165 STORAGE CAPACITY : 550 IN DRUMS SHIPPING FREQUENCY: 90DAYS IN DRUMS COLOR : BLACK LAYERS : ONE PHYSICAL STATE: SEMI VISCOSITY : HIGH	WATER NON-VOLATILE MATERIAL SETTLED SOLIDS			

RESTRICTED SUBSTANCES: NONE

D.O.T HAZARDOUS MATERIAL DESCRIPTION: CUSTOMER REQUESTS ASSISTANCE  
PROPER SHIPPING NAME: ASSISTANCE

EPA HAZARDOUS WASTE DESCRIPTION: CUSTOMER REQUESTS ASSISTANCE

NO(S):  
CODES:

HAZARD CLASS: HAZARD NO. :

P.O. NO: 5829 TYPE OF SAMPLE: COMPOSITE #DRUMS: 3 TAKEN BY: SALESREP  
CONTACT: ZANE OBERHOFER TITLE: MAINT. SUPV. PHONE: 301/733-5131  
SALESPERSON: FLUID RECOVERY SERVICES TERRITORY: 6666 BRANCH #: 201601 DATE: 06/29/89

LAB REVIEW:	TRACKING INFO	DATE	FACILITY
REJECT SEG CODE: RELEASED: 07/14/89 ANALYST: CP REVIEWER: CP ANALYZED: 07/13/89 HIGH VISCOSITY CORPORATE REVIEWS: DISPOSITION REVIEWER DATE TECHNICAL: ACCEPT EJE 07/14/89 REGULATORY: ACCEPT TAL 07/14/89 OPERATING: ACCEPT JWH 07/14/89	RECEIVED: 07/05/89		SK TECHNICAL CENTER
	HANDLING CODES: S02/T50		

SK D.O.T. #: 0001097 DRUM OR BULK RQ WASTE INK COMBUSTIBLE LIQUID UN1210 (EPA D001)	1097	0000999 SPECIAL NOTICE PROPER DOT/EPA SHIPPING DESCRIPTION WAS NOT DETERMINED FROM THE ANALYSIS BUT IS BASED ON KNOWLEDGE OF SIMILAR WASTES.
APPROVED FACILITIES: 654 SAFETY-KLEEN CORP 633 EAST 138TH ST DOLTON IL 60419	658 SAFETY-KLEEN CORP STATE HWY 146 NEWCASTLE KY 40050 KYD053348108	636 SAFETY-KLEEN CORP 1200 SYLVAN ST LINDEN NJ 07036 NJDOO2182897
FEDERAL EPA NO: IL0980613913 STATE EPA NO: 0310690006 TELEPHONE: 312/849-4850 AUTH# 000163	502/849-2453	201/862-2000

COMMENT: OK FOR GRINDABLE FUEL. FRS CAT IV-C.

PRICING CODE: FC

THIS SERVES AS NOTICE PER, 40CFR264.12(B), THAT THE FACILITY(IES) NOTED ABOVE  
HAS THE APPROPRIATE PERMITS AND IS WILLING TO RECEIVE THE MATERIAL DESCRIBED.

FLUID RECOVERY SERVICE  
HERALD MAIL

\*\*\* FLUID RECOVERY SERVICE \*\*\*

CONTROL #: 040887  
SAMPLE #: 050497

GENERAL COMPOSITION (VOL%):		GENERAL ANALYSIS: TOTAL SAMPLE		SPECIFIC GRAVITY AT 60.000	
BY APPEARANCE		COLOR	: BLACK	API GRAVITY	: 0.0
AQUEOUS PHASE:	0.0 %	WATER CONTENT:	0.0 WT%	FLAMMABILITY	: NO FLASH AT 142 F
ORGANIC PHASE:	0.0 %	NON-VOLATILE	: 87.2 WT%	BY SETAFLASH	
BOTTOM SLUDGE:	100.0 %	PH: EXTRACT	BY PAPER 7.0	RADIOACTIVITY:	N.D.
BOTTOM SOLID	: 0.0 %	VISCOSITY	: >50000 CP5	PCB	: N.D. < PPM

FUEL EVALUATION (WT%): TOTAL SAMPLE	
HEAT CONTENT:	18000 BTU/LB
HALOGENS:	
ASH:	1.7 %
CHLORINE:	< 0.1 %
BROMINE:	< 0.1 %
FLUORINE:	< 0.1 %
SULFUR:	0.6 %
PHOSPHORUS:	

VOLATILE ORGANIC COMPOSITION: TOTAL SAMPLE		BY FID	UNITS: WEIGHT %
HEAVY ALIPHATIC HYDROCARBONS (C14-C20)		100.0	0.0
SUMMARY: ALCOHOLS	0.0	KETONES	0.0
ESTERS	0.0	ALIPHATIC HYDROCARBONS	100.0
NITROGEN COMPOUNDS	0.0	GLYCOL ETHERS	0.0
INHIBITORS	0.0	OTHERS	0.0
		CHLORINATED SOLVENTS	0.0
		AROMATIC HYDROCARBONS	0.0
		ETHERS	0.0
		MISCELLANEOUS	0.0

ADDITIONAL ANALYTICAL INFO: NVR-SLUDGE. WATER N/A, SPGR N/A.

350.00 a drum.



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

**UNIFORM HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
MD D 0 0 3 0 7 7 9 8 9  
Manifest Document No.  
1 2 2 1 5

2. Page 1 of 1  
Information in the shaded areas is not required by Federal law but is required by State law.

3. Generator's Name and Mailing Address  
**HERALD-MAIL CO.**  
100 SUMMIT AVE., HAGERSTOWN, MD 21740  
4. Generator's Phone ( 301/733-5131

A. State Manifest Document Number  
**PAR 5312215**

5. Transporter 1 Company Name  
**INDUSTRIAL SOLVENTS & CHEMICAL CO**

6. US EPA ID Number  
**P A D 0 9 8 7 3 2 1 1 8**

B. State Gen. ID

C. State Trans. ID  
**PA-AH 0 0 5 2**

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone ( **717/938-4621**

9. Designated Facility Name and Site Address  
**INDUSTRIAL SOLVENTS & CHEMICAL CO**  
210 STEVENS RD  
YORK HAVEN, PA 17370

10. US EPA ID Number  
**P A D 0 9 8 7 3 2 1 1 8**

E. State Trans. ID  
**PA-AH**

F. Transporter's Phone ( )

G. State Facility's ID **Not Required**  
H. Facility's Phone ( **717/938-4621**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No. Type			
a. 02 D.M.	1.50	G	D 0 0 1
b. 05 D.M.	270.0	P	D 0 0 1
c.			
d.			

a. **WASTE COMBUSTIBLE LIQUID, N.O.S.**  
**COMBUSTIBLE LIQUID NA 1993**

b. **WASTE FLAMMABLE SOLID, N.O.S.**  
**FLAMMABLE SOLID UN 1325**

GENERATOR

J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)  
Hazard Code Physical State SG: 0.8  
a. [I] [L] 1002  
b. [I] [S] SG: NA

K. Handling Codes for Wastes Listed Above  
a. 8 0 1  
b. 8 0 1

15. Special Handling Instructions and Additional Information  
11a. ink and aliphatic hydrocarbons  
11b. same as 11a in solid form

MD HWI=261

MD DRIVER CERT 027

MD VEHICLE CERT PA2127

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Zane Oberkizer** Signature: *Zane Oberkizer* Month Day Year: **10 9 88**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name: **Ray Grove** Signature: *Ray Grove* Month Day Year: **10 9 88**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: **S.A. Sprengle** Signature: *S.A. Sprengle* Month Day Year: **10 6 88**

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

FACILITY

PAR 5312215



ER-SWM-51:REV. 6/87

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

in case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>H-D-D-00307798919-8-7-8-1</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address <b>HERALD-MAIL CO 100 SUMMIT AVE. HAGERSTOWN, MD. 21740</b>				A. State Manifest Document Number <b>PAB 5698781</b>		B. State Gen. ID	
4. Generator's Phone (301) 733-5131				5. Transporter 1 Company Name <b>INDUSTRIAL SOLVENTS &amp; CHEMICAL CO</b>		6. US EPA ID Number <b>PA-D-098732118</b>	
7. Transporter 2 Company Name				8. US EPA ID Number		C. State Trans. ID <b>PA-AH 0052</b>	
9. Designated Facility Name and Site Address <b>INDUSTRIAL SOLVENTS &amp; CHEMICAL CO 210 STEVENS RD, YORK HAVEN, PA 17370</b>				10. US EPA ID Number <b>PA-D-098732118</b>		D. Transporter's Phone (717) 938-4621	
				E. State Trans. ID <b>PA-AH</b>		F. Transporter's Phone ( )	
				G. State Facility's ID <b>Not Required</b>		H. Facility's Phone (717) 938-4621	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers	13. Total Quantity
a. <b>WASTE COMBUSTIBLE LIQUID, N.O.S. COMBUSTIBLE LIQUID NA 1993</b>						No.	14. Unit Wt/Vol
						Type	15. Waste No.
						<b>04</b>	<b>D-M</b>
							<b>200</b>
							<b>0</b>
							<b>0001</b>
J. Additional Descriptions for Materials Listed Above (Include physical state and hazard code)						K. Handling Codes for Wastes Listed Above	
Hazard Code: <b>1</b> Physical State: <b>S.G.</b> <b>0.800</b> <b>100%</b>						a. <b>801</b>	
15. Special Handling Instructions and Additional Information							
<b>11a. INK &amp; ALIPHATIC HYDROCARBONS</b>						<b>MD HW-261</b>	
						<b>MD DRIVER CRT. 00278</b>	
						<b>MD VEHICLE CRT. 82A2291</b>	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <b>Zane L. Oberholzer</b>				Signature <i>Zane Oberholzer</i>		Month Day Year <b>04/21/89</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>Ray Grove</b>		Signature <i>Ray Grove</i>	
						Month Day Year <b>04/21/89</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.							
Printed/Typed Name <b>Don Naumann</b>				Signature <i>Don Naumann</i>		Month Day Year <b>04/21/89</b>	

EXISTING TOWERING  
POLES & WIRE

D AREA

A AREA

OLD FENCE W/ RR RAIL  
POSTS TO BE REMOVED

N 41° 28' 00" E

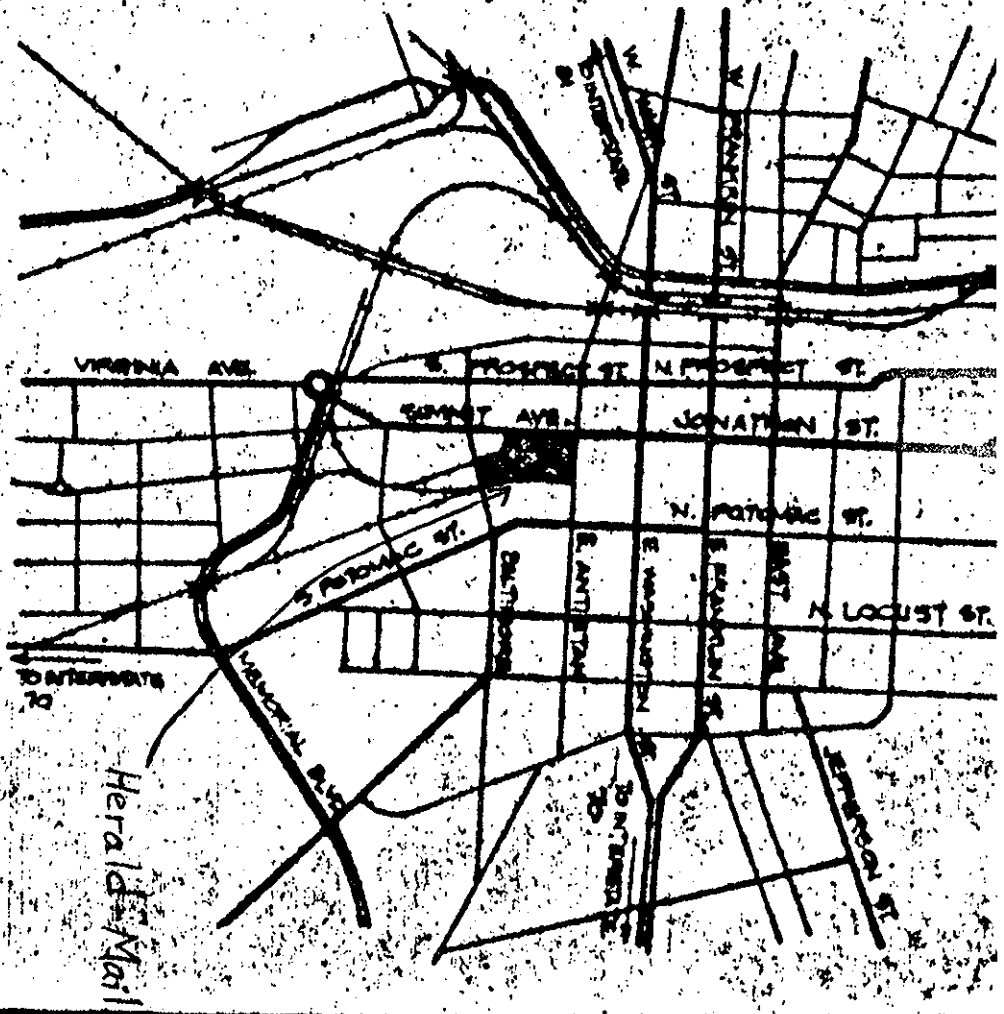
S 40° 30' 19" W  
60.00'

S 45° 00' 00" W  
162.00'

OLD R.R. TRACK  
TO REMAIN

S 17° 49' 31" W  
210.00'

EASEMENT  
TO BE REMOVED



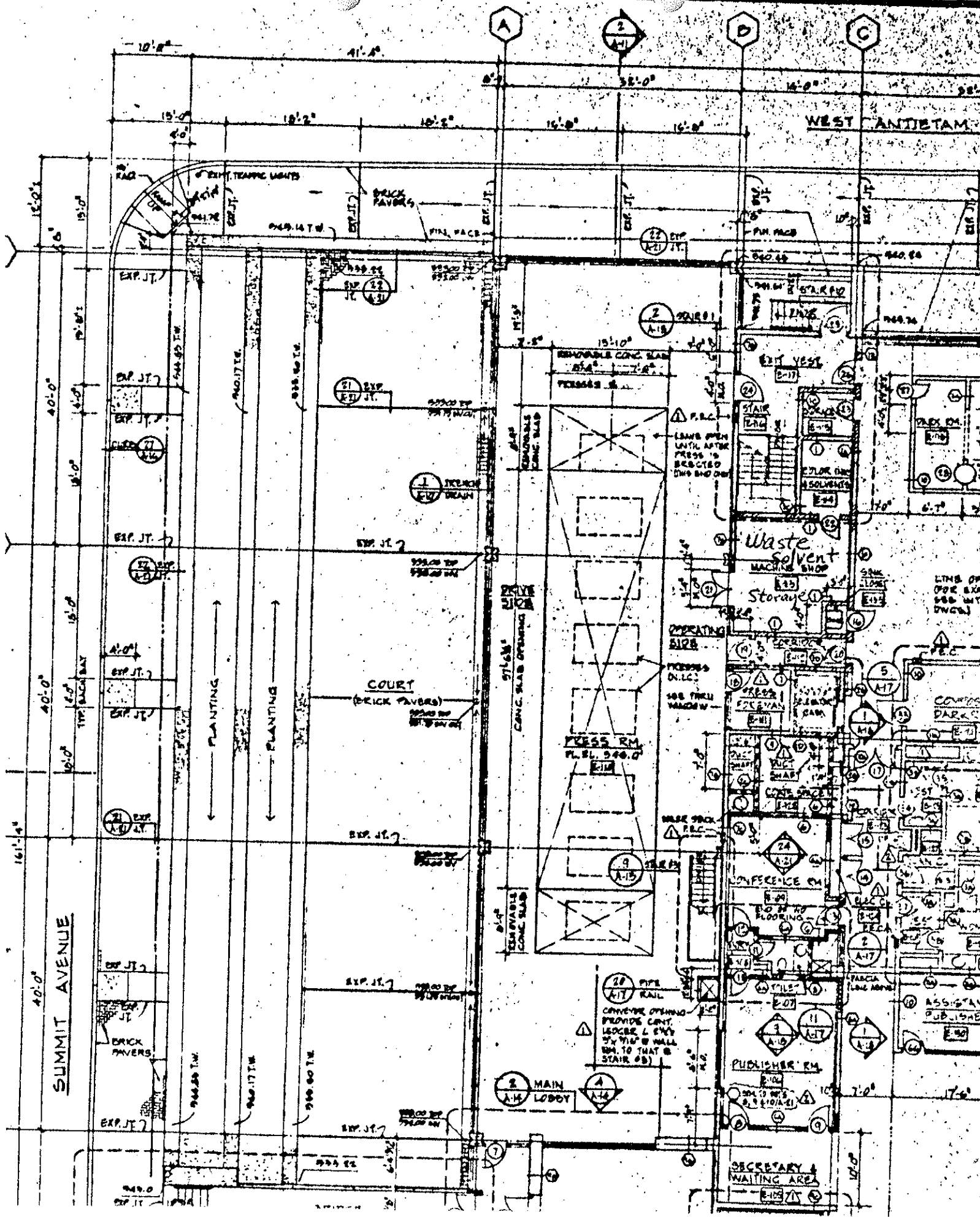
VICINITY MAP

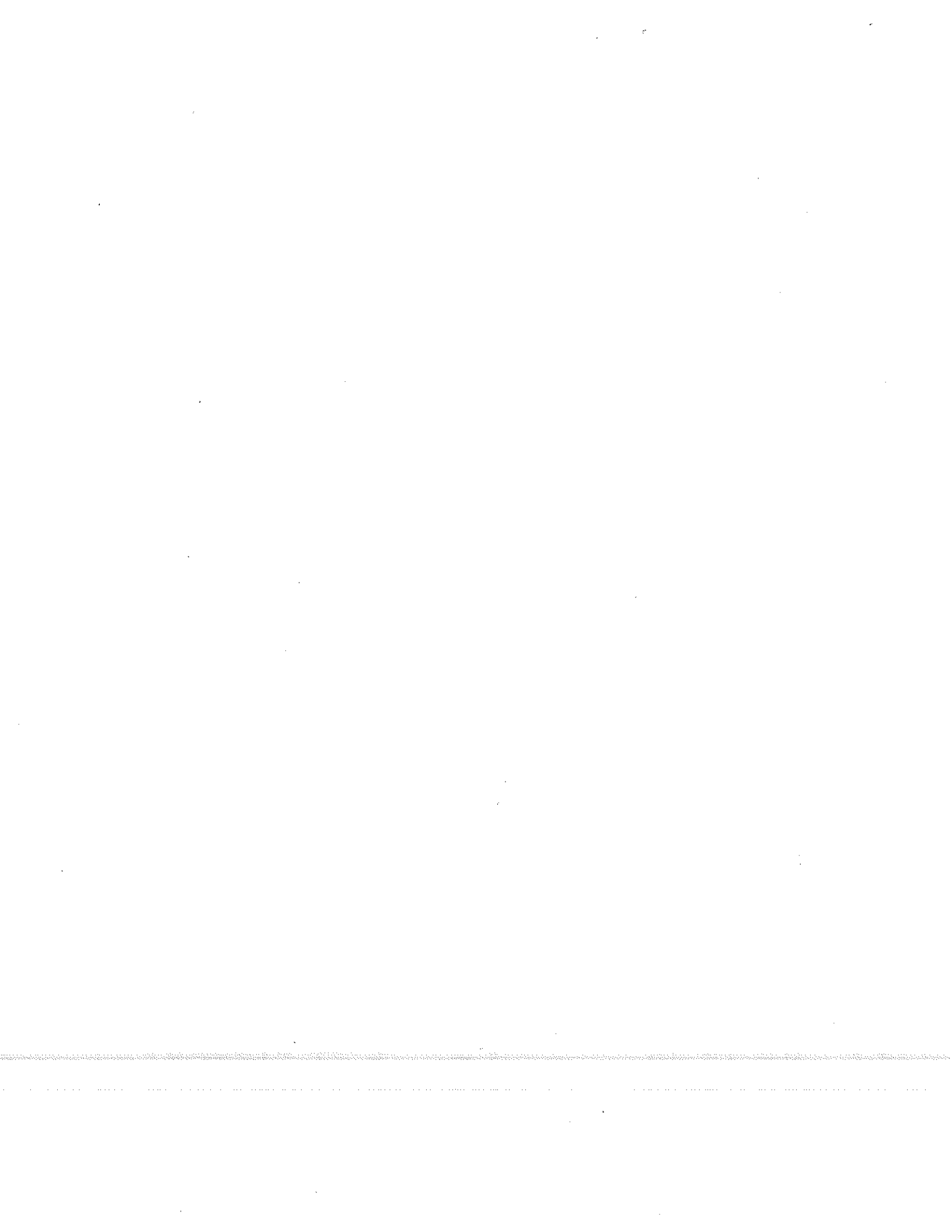
NO SCALE

PROJECT INFORMATION

- ZONING DISTRICT - CENTRAL DISTRICT C-3
- CITY TAX MAP - 1B1
- ELECTION DISTRICT - WARD 2 HAGERSTOWN
- WARD 3 HAGERSTOWN
- COUNTY
- PARCEL - DED - LIBER 644
- POLD 480

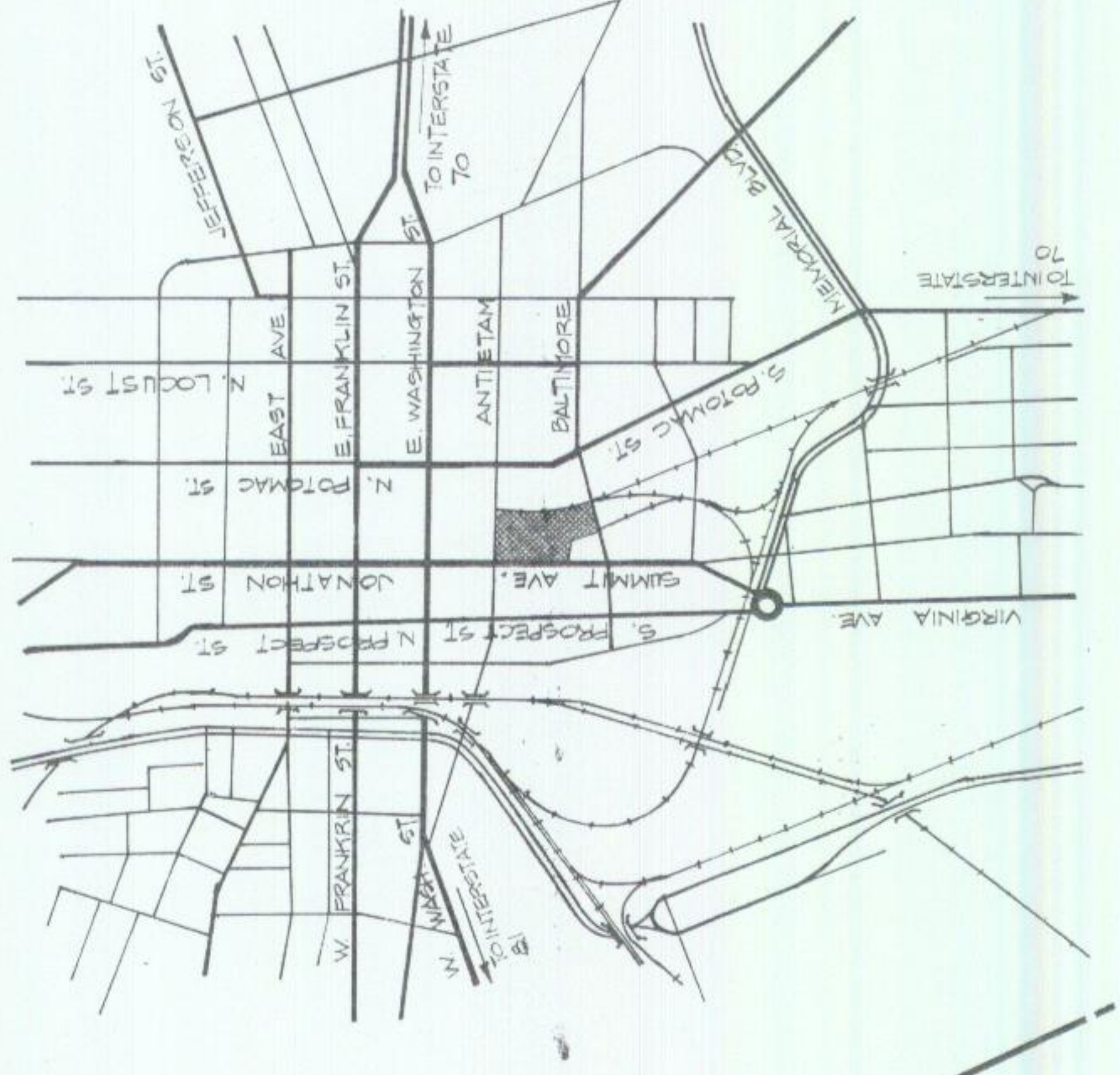
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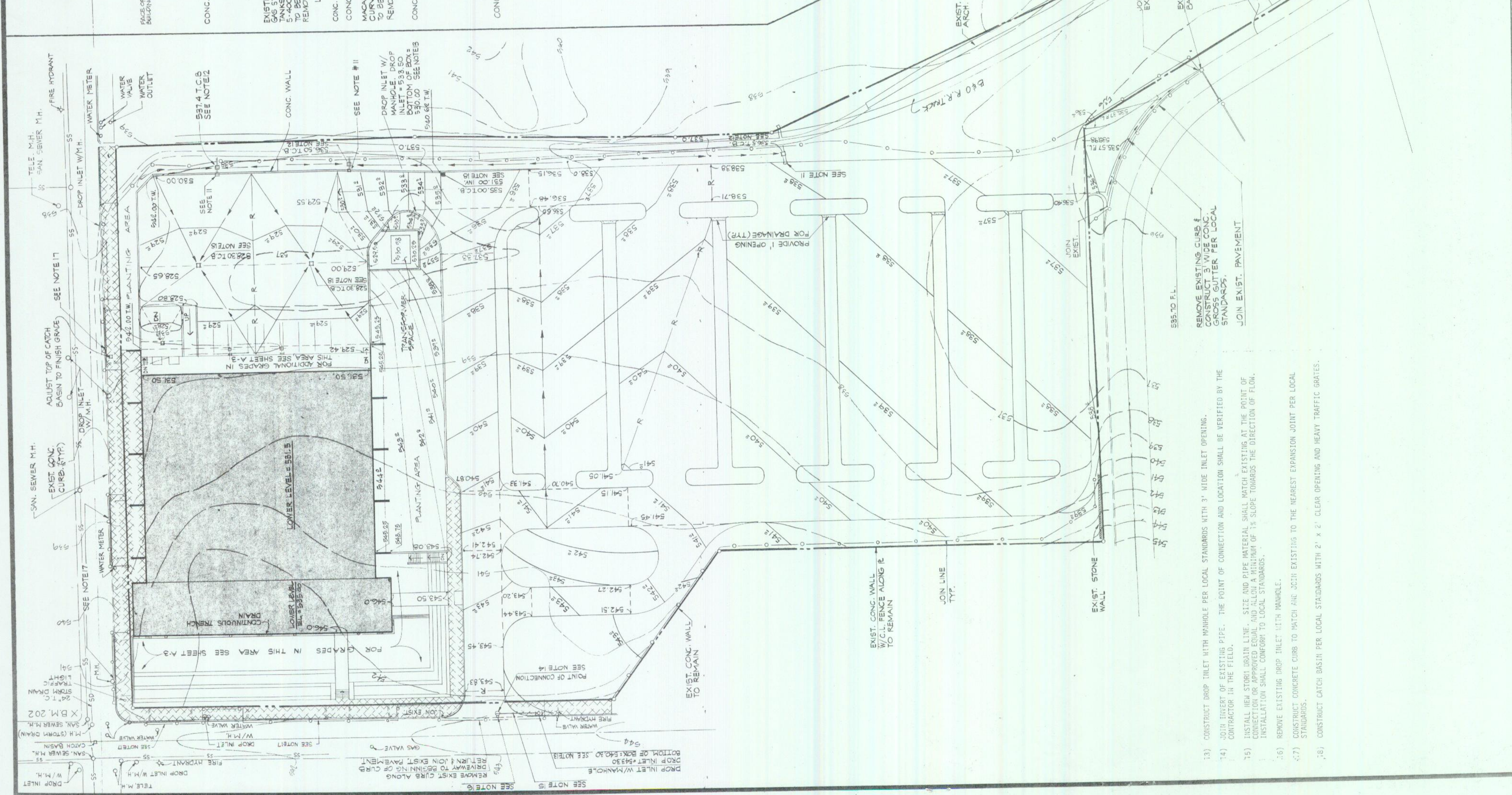
LEGEND

- TELE. M.H.
- TELEPHONE MANHOLE
- STORM DRAIN LINE
- SANITARY SEWER LINE
- FINISH GRADE CONTOUR
- RIDGE LINE
- FLOW LINE
- GRADE CHANGE
- LIMIT OF GRADING
- OFFSITE PAVEMENT CURB
- REMOVAL UNLESS OTHERWISE SHOWN
- EXISTING GRADE CONTOUR
- FLOW LINE
- TOP OF CATCH BASIN
- FINISH GRADE SPOT ELEVATION
- EXISTING GRADE SPOT ELEVATION
- INVERT ELEVATION
- HANDICAPPED STALL
- ITEMS TO BE REMOVED
- CHAIN TO BE REMOVED
- NEW CURB
- EXISTING CURB TO REMAIN
- EXTENT OF BRICK PAVERS



VICINITY MAP

PROJECT INFORMATION  
 ZONING DISTRICT - CENTRAL DISTRICT C3  
 TAX MAP - 1B1  
 ELECTION DISTRICT - WARD 2 HAGERSTOWN  
 WARD 3 WASHINGTON CO.  
 PARCEL - DEED - L.BER. 614  
 FOLIO 480



- GENERAL NOTES
- 1) FOR BENCH MARK AND OTHER TOPOGRAPHICAL INFORMATION, SEE SURVEY PREPARED BY FOX AND ASSOCIATES INC. ENGINEERS-SURVEYORS-PLANNERS OF 405 NORTH POTOMAC STREET, WASHINGTON, D.C. 20001. ALL TOPOGRAPHICAL INFORMATION SHOWN ON THIS DRAWING WAS ALSO OBTAINED FROM THE ABOVE SURVEY.
  - 2) THE CONTRACTOR SHALL PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY AND OTHER STRUCTURES TO REMAIN DURING CONSTRUCTION.
  - 3) STRIPING AND SIGNAGE SHALL BE IN ACCORDANCE WITH FINISH GRADE CONTOURS AND ON SPOT ELEVATIONS SHOWN UNLESS OTHERWISE INDICATED.
  - 4) WORK SHALL BE DONE WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED ACCORDING TO LOCAL STANDARDS AND TO ALL APPLICABLE CODES.
  - 5) THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
  - 6) SEE SOILS AND FOUNDATION REPORT FOR GRADING REQUIREMENTS.
  - 7) REMOVE AND DISPOSE OF ALL CONCRETE CURBS, WALLS, FENCE, ASPHALT PAVING, PISTS, ETC., WITHIN THE LIMIT OF GRADING.
  - 8) GAS AND WATER VALVES ON SITE SHALL BE REMOVED AND PLUGGED IF NO LONGER IN SERVICE AND RAISED TO FINISH GRADE IF STILL IN SERVICE. THE CONTRACTOR SHALL VERIFY THESE CONDITIONS IN THE FIELD.
  - 9) THE DISPOSITION OF POWER POLES ALONG ANTENNA ST. IS BY OTHERS. POWER AND TELEGRAPH POLES WITHIN THE LIMIT OF GRADING SHALL BE REMOVED AND DISPOSED OFF THE SITE.
  - 10) STRIPING AND CENTER LINES SHALL BE WHITE PAINTED WITH WHITE REFLECTORIZED TRAFFIC PAINT AT LEAST 3 DAYS AFTER ASPHALTIC CONCRETE PAVEMENT HAS BEEN LAID. SEE SPECIFICATIONS.
  - 11) REMOVE EXISTING CATCH BASIN AND PLUS OR REMOVE STORM DRAIN LINE NOT IN USE AFTER CONSTRUCTION OF NEW CATCH BASIN.
  - 12) CONSTRUCT NEW CATCH BASIN PER LOCAL STANDARDS TO MATCH EXISTING OR APPROXIMATELY EQUAL. THE BOTTOM OF BASIN IS EQUAL TO THE INVERT OF THE EXISTING PIPE AT THE POINT OF CONNECTION.

- 13) CONSTRUCT DROP INLET WITH MANHOLE PER LOCAL STANDARDS WITH 3" HIDE INLET OPENING.
- 14) JOINT INVERT OF EXISTING PIPE. THE POINT OF CONNECTION AND LOCATION SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
- 15) INSTALL NEW STORM DRAIN LINE. USE 12" RIBBED POLYETHYLENE GLASS REINFORCED PLASTIC (RPP) PIPE. INSTALLATION SHALL CONFORM TO LOCAL STANDARDS.
- 16) REMOVE EXISTING DROP INLET WITH MANHOLE.
- 17) CONSTRUCT CONCRETE CURB TO MATCH A.E. J.C.I. EXISTING TO THE NEAREST EXPANSION JOINT PER LOCAL STANDARDS.
- 18) CONSTRUCT CATCH BASIN PER LOCAL STANDARDS WITH 2' x 2' CLEAR OPENING AND HEAVY TRAFFIC GRATES.

**APPENDIX V**  
**SITE PHOTOGRAPHS**

## PHOTOGRAPHS



**Photograph No. 1**

An overview of the site, facing northeast from Summit Avenue and West Baltimore Street.



**Photograph No. 2**

140 Summit Avenue (D&P Coin Op Laundermat).





**Photograph No. 3**

An empty AST at 140 Summit Avenue, formerly used for TCE storage.



**Photograph No. 4**

A 275-gallon heating oil AST at 140 Summit Avenue.

## PHOTOGRAPHS



**Photograph No. 5**

The fill port for a 1,000 gallon heating oil UST at 140 Summit Avenue.



**Photograph No. 6**

Parking lot south of D&P Coin Op (Hood Street and 80 W. Baltimore St. in background).

## PHOTOGRAPHS



**Photograph No. 7**

The County building at 80 W. Washington Street.



**Photograph No. 8**

Snooks Poultry at 24-28 West Baltimore Street.

## PHOTOGRAPHS



**Photograph No. 9**

Baltimore Street Station Car Wash at 32 West Baltimore Street.



**Photograph No. 10**

A vent and fill pipe from 25 W. Antietam Street.

**PHOTOGRAPHS**



**Photograph No. 11**

25-37 W. Antietam Street.



**Photograph No. 12**

Herald Mail at 100 Summit Avenue

**APPENDIX VI**  
**STATEMENT OF QUALIFICATIONS**

## ALLEN T. SULLIVAN, MEM, LEED AP Environmental Department Manager

### EDUCATION

- Ø B.S., Virginia Tech, Building Construction, 1992.
- Ø Masters Engineering Mngmnt, Environmental Concentration, GW University, 2001.

### CERTIFICATIONS

- Ø AHERA: Asbestos Building Inspector – VA, MD, DC
- Ø 40-Hour Hazwopper Trained
- Ø LEED AP
- Ø Lead-Paint Inspector



### EXPERIENCE

Mr. Sullivan has been with ECS for over 18 years and currently serves as the Environmental Department Manager in the Frederick, Maryland office of ECS Mid-Atlantic, LLC. He is responsible for client development and proposal preparation, coordination and preparation of Phase I/Phase II Environmental Site Assessments, Site Characterizations studies, coordination and implementation of Corrective Action Plans, contaminant remediation efforts, and wetlands associated work. He has personally performed over 400 ESAs and over 150 Phase II ESAs in the Maryland/Virginia/D.C.

Mr. Sullivan also focuses on the planning and coordination efforts of Hazardous Material Surveys (asbestos, lead-paint, PCBs, mercury, etc...) as well as the subsequent abatement; has performed Indoor Air Quality assessments for LEED certification; and, serves as a manager to Environmental Technicians performing onsite work.

### BRIEF PROJECT EXPERIENCE

- **Phase I ESAs, Hagerstown, Washington County, Maryland:** Mr. Sullivan has performed multiple ESAs in Hagerstown and Washington Co. including the following sites: Bester Elementary School, Cascade Elementary School, Food Resources, 5-story Vacant Apartment Building, Fountain Head Plaza and AutoZone. ECS has performed numerous ESAs for the following banks with a local presence in Washington County: Susquehanna Bank, Tower Bank, PNC Bank and First United Bank.
- **Former Manbec Bread Co. Site, 358 Church Street, Hagerstown, Maryland:** This project consisted of a Phase I ESA of a vacant industrial property located in a historically heavy industrial area of Hagerstown, MD. Environmental concerns identified included onsite petroleum storage tanks; solvent dip tanks and improper disposal; unknown fill material onsite; adjacent industrial properties, a gas station and railroad tracks; and significant asbestos-containing materials.
- **Former Orchard Phase II Assessment, Beaver Creek Road, Hagerstown, MD:** This project consisted of shallow soil testing at multiple locations for pesticides, heavy metals and herbicide contamination from former onsite orchard activities. Arsenic and lead contamination was discovered onsite.
- **Asbestos & Lead-Based Paint Surveys, Hagerstown, Maryland:** Project Manager/Inspector – performed complete hazardous materials surveys of multiple buildings in Hagerstown and Washington Co. Buildings range from vacant farm structures, residences, office buildings, commercial structures and industrial properties. The surveys included testing, quantification and removal recommendations for hazardous materials (asbestos, lead-paint, etc...).



## Erik J. Schaberl Senior Environmental Scientist

### EDUCATION

- Ø B.S., Frostburg State University, Environmental Analysis and Planning, 2003.

### CERTIFICATIONS

- Ø 40-Hour Hazwopper Trained
- Ø Wetland Delineator Certificate
- Ø Confined Space Trained



### EXPERIENCE

Mr. Schaberl has been in the environmental industry for 9 years and currently serves as Senior Environmental Technician in the Frederick, Maryland office of ECS Mid-Atlantic, LLC. He is responsible for preparation of Phase I/Phase II Environmental Site Assessments, Site Characterizations studies, field work relative to Corrective Action Plans, contaminant remediation efforts, and wetlands associated work. He has personally performed over 150 ESAs and numerous Phase II ESAs in the Metro DC Region as well as Pennsylvania, West Virginia, and Virginia.

### BRIEF PROJECT EXPERIENCE

- **Former Bulk Storage Terminal, Baltimore, Maryland:** This project consisted of remedial work for petroleum contamination including chemical grouting of storm drains in effort to seal off product infiltration. Other services included the excavation of recovery trenches and cleanup of contaminated soil and surface materials.
- **Former Waste Transfer Station, Rockville, Maryland:** This project consisted of a Phase I ESA followed by a file review, limited Phase II Investigation, GeoProbe sampling, and a passive soil gas survey. Based on the findings, petroleum contamination was evident and subsequent soil screening, sampling, and haul-off of contaminated soils was conducted in preparation for initiation into the Voluntary Cleanup Program with the MDE.
- **Former Soil Treatment Facility, Baltimore, Maryland:** This project consisted of a Phase I ESA including sampling of existing groundwater monitoring wells and surface soils.
- **Former Shopping Center with Drycleaners, Washington, DC:** This project consisted of a limited soil sampling and groundwater investigation. A series of borings were drilled with representative soil samples taken and tested for a myriad of contaminate including TCE. Monitoring wells were then installed and sampled to determine if former operation impacted the site conditions.





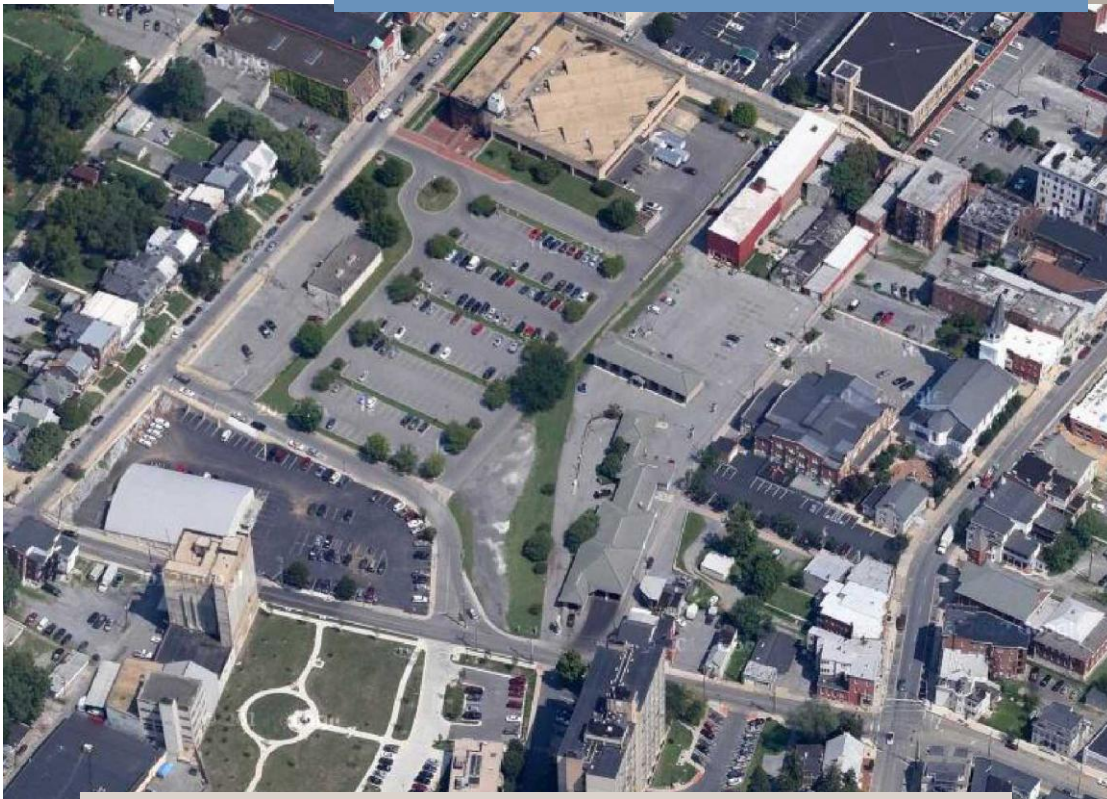
**Attachment K**

**MUSEC Phase II Environmental Study – Dated March 20, 2013**



## Phase II ESA

### Proposed Multi-Use Sports and Events Center City of Hagerstown, Maryland



Triad Project No. 03-12-0364

**Prepared for:**

City of Hagerstown  
3<sup>rd</sup> Floor  
1 East Franklin Street  
Hagerstown, Maryland 21740

**Prepared By:**

Triad Engineering Inc.  
1075-D Sherman Avenue  
Hagerstown, Maryland 21740



March 20, 2013

◆ TRIAD Listens, Designs & Delivers™

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## EXECUTIVE SUMMARY

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This report presents the Phase II Environmental Site Assessment (ESA) prepared by Triad Engineering, Inc. (Triad) for the properties located at 100 Summit Avenue (Herald Mail Company parking area), 140 Summit Avenue (D&P Coin op Laundry), 80 West Baltimore Street (Washington County Commissioners), 32 West Baltimore Street (Baltimore Street Station Car Wash), and 37 West Antietam Street (Antietam Paper Company) in Hagerstown, Maryland. This Phase II ESA was conducted to evaluate whether past Site operations have affected environmental conditions at the Site. The Phase II ESA was conducted in general conformance with the *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, hereafter referred to as the ASTM Standard Practice, as defined by the *American Society for Testing and Materials (ASTM), Designation E1903-11* and in general conformance with the Code of Maryland Regulations (COMAR) 26.10.09 and Maryland Environmental Assessment Technology (MEAT) for Leaking Underground Storage Tanks (LUSTs).

The following Executive Summary is an integral part of the Phase II ESA and may not be removed or distributed separately. Important information regarding the Site is included elsewhere in the report and is not presented in this Executive Summary. Any individual copies of the Executive Summary without the Phase II ESA, or copies of the Phase II ESA without the Executive Summary, should not be considered valid and should not be relied upon for any decisions or conclusion regarding the Site.

The Site is composed of an approximate 7.5-acre, irregular-shaped parcel that is comprised of the properties located at 100 Summit Avenue (Herald Mail Company parking area), 140 Summit Avenue (D&P Coin op Laundry), 80 West Baltimore Street (Washington County Commissioners), 32 West Baltimore Street (Baltimore Street Station Car Wash), and 37 West Antietam Street (Antietam Paper Company) in Hagerstown, Maryland and is herein referred to as the proposed Multi-Use Sports and Events Center (MUSEC). The Site contains the paved and gravel parking lot for the Herald-Mail Company, an approximate 12,580 square-foot Washington County office building, an approximate 3,200 square-foot laundromat, an approximate 8,575 square-foot car wash, and an approximate 20,535 square-foot Antietam Paper storage warehouse.

As part of the environmental due diligence, a Phase I ESA was performed by others in July 2012 at the Site. The Phase I ESA identified numerous recognized environmental conditions (RECs) and recommended a Phase II ESA.

The Phase II ESA subsurface investigation consisted of drilling 26 soil borings (B-1 to B-26) and collecting 22 soil and 3 unfiltered groundwater samples for laboratory analysis of volatile organic compounds (VOCs), total petroleum hydrocarbons diesel and gasoline range organics (TPH-DRO and TPH-GRO), semi-VOCs (sVOCs), priority pollutant list (PPL) of metals, and polychlorinated biphenyls (PCBs).

## EXECUTIVE SUMMARY

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The laboratory analytical testing has exhibited concentrations of arsenic, diesel components, and TPH (C06-C10) in the soils above the Maryland Department of the Environment (MDE) soil cleanup standards and concentrations of arsenic, benzene, beryllium, chromium (total), diesel components, lead, mercury, naphthalene, nickel, and TPH(C06-C10) above the MDE groundwater cleanup standards. The MDE has regulatory authority over sites exhibiting petroleum contamination above state standards. As such, property owners should be notified of the results of this investigation so that they can consult with the MDE and determine if further investigations and/or cleanup is warranted.



## 1.0 INTRODUCTION

Triad Engineering, Inc. (Triad) was retained by the City of Hagerstown to complete this Phase II Environmental Site Assessment (ESA) for the Site which includes the properties located at 100 Summit Avenue (Herald Mail Company parking area), 140 Summit Avenue (D&P Coin op Laundry), 80 West Baltimore Street (Washington County Commissioners), 32 West Baltimore Street (Baltimore Street Station Car Wash), and 37 West Antietam Street (Antietam Paper Company) in Hagerstown, Maryland to determine if past operations have impacted the property.

A Phase I ESA was performed by others in July 2012. The Phase I ESA identified numerous recognized environmental conditions (RECs) and recommended a Phase II ESA. The Phase II ESA included the drilling of 26 soil borings, the collection of 22 soil and 3 unfiltered groundwater samples, and laboratory analysis.

This Phase II ESA has been prepared in accordance with *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, hereafter referred to as the ASTM Standard Practice, as defined by the *American Society for Testing and Materials (ASTM), Designation E1903-11* and in general conformance with the Code of Maryland Regulations (COMAR) 26.10.09 and Maryland Environmental Assessment Technology (MEAT) for Leaking Underground Storage Tanks (LUSTs).

## 2.0 SITE DESCRIPTION

### 2.1 Site and Area Description

The Site is an approximate 7.5-acre parcel that is comprised of the properties located at 100 Summit Avenue (Herald Mail Company parking area), 140 Summit Avenue (D&P Coin op Laundry), 80 West Baltimore Street (Washington County Commissioners), 32 West Baltimore Street (Baltimore Street Station Car Wash), and 37 West Antietam Street (Antietam Paper Company) in Hagerstown, Maryland and is herein referred to as the proposed Multi-Use Sports and Events Center (MUSEC). The Site contains and is improved by the paved and gravel parking lot for the Herald-Mail Company, an approximate 12,580 square-foot Washington County office building, an approximate 3,200 square-foot laundromat, an approximate 8,575 square-foot car wash, and an approximate 20,535 square-foot Antietam Paper storage warehouse. The Site is located within mixed commercial and residential properties. The Site is identified on the site vicinity map included as **Figure 1**. The Site features are depicted on **Figure 2**.

### 2.2 Geology

According to the Geologic Map of Washington County, Maryland (1978), as prepared by the Maryland Department of Natural Resources and the Maryland Geological Survey, the Site located within the Hagerstown Valley of the Valley and Ridge physiographic province and is underlain by the Stonehenge Limestone Formation (Os). The general lithology of the Stonehenge Limestone Formation is described as gray, thin-bedded, coarse grained to conglometric oolitic calcarenite, with some dolomite. The lower layer is described as gray, thick-bedded, fine grained algal limestone.

### 3.0 WORK PERFORMED

#### 3.1 *September 2012 Assessment Activities*

On September 7, 2012, 12 soil borings (B-1 through B-12) were drilled by Green Services utilizing a track-mounted Geoprobe® at the approximate locations shown on **Figure 2**. A Triad Project Geologist was present to log and supervise the drilling activities. The borings were extended to refusal. Refusal was encountered in B-1 through B-5 at approximately 4.5 feet below surface level (bsl). Refusal was encountered from 2 feet bsl to 13 feet bsl in soil borings B-6 through B-12. Perched groundwater was encountered in B-8 and SB-9 at depths of 7 feet bsl and 9 feet bsl, respectively. Temporary 3/4-inch PVC piezometers were installed in soil boring B-8 and B-9 to collect water samples. Soils encountered in the borings consisted of black, gray, brown silty clay, red clay, and black coal dust with gray limestone at refusal. The soil boring logs are included as **Appendix A**.

Soil samples were collected using a macro core sampler with a new disposable sleeve per interval. Continuous samples were collected during the drilling. Soil samples collected from the borings were placed in zip-lock bags and scanned with a RAE Systems, Inc. MiniRae photo-ionization detector (PID) to identify total Volatile Organic Compounds (VOCs). The soil samples screened with the PID exhibited detectable VOCs in soil borings B-1, B-3, B-4, B-5, B-8, B-9, and B-10 ranging from 26 parts per million (ppm) to 3613 ppm as summarized in the boring logs attached as **Appendix A**. The soil samples exhibiting the highest PID or the soil sample at the depth of refusal were selected for laboratory analysis. Soil samples were placed into laboratory-provided sample containers using disposable Nitrile gloves and sealed with Teflon-lined lids.

Unfiltered groundwater samples were collected from the temporary piezometers installed in B-8 and B-9. The groundwater samples were collected using a peristaltic pump with disposable tubing. The water samples were pumped directly into laboratory provided containers and sealed with Teflon-lined lids. The temporary piezometers were backfilled with bentonite clay following the removal of the PVC piping.

The soil and groundwater samples were placed on ice and shipped via courier to Pace Analytical Services, Inc. (PaceAnalytical) in Pittsburgh, Pennsylvania for analysis for full suite VOCs by U.S. EPA Method 8260B, priority pollutant list metals (PPL Metals) using U.S. EPA Method 6010, polychlorinated biphenyls (PCBs) using U.S. EPA Method 8082, semi-VOCs using U.S. EPA Method 8270, and Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO) and Gasoline Range Organics (TPH-GRO) by U.S. EPA Method 8015B.

#### 3.2 **December 2012 Assessment Activities**

On December 4, 2012, 14 soil borings (B-13 through B-26) were drilled by Green Services utilizing a truck-mounted Geoprobe® at the approximate locations shown on **Figure 2**. A Triad Project Geologist was present to log and supervise the drilling activities. The borings were extended to refusal. Refusal was encountered from 3.5 feet bsl to 24 feet bsl in soil borings B-13 through B-26. Perched groundwater was encountered in B-13, B-25 and B-26 at depths of 14.5 feet bsl, 14 feet bsl, and 16 feet bsl, respectively. Temporary 3/4-inch PVC piezometers were installed in soil boring B-13 and B-25 to collect water samples. However, due to low yields, a water sample was only obtainable from B-25. Soils encountered in the borings

consisted of black, gray, orange, red, brown silty clay and black coal dust with gray limestone at refusal. The soil boring logs are included as **Appendix A**.

Soil samples were collected using a macro core sampler with a new disposable sleeve per interval. Continuous samples were collected during the drilling. Soil samples collected from the borings were placed in zip-lock bags and scanned with a PID to identify total VOCs. The soil samples screened with the PID exhibited detectable VOCs in soil borings B-13, B-15, B-16, B-25, and B-26 ranging from 11 parts per million (ppm) to 2678 ppm as summarized in the boring logs attached as **Appendix A**. The soil samples exhibiting the highest PID or the soil sample at the depth of refusal were selected for laboratory analysis. Soil samples were placed into laboratory-provided sample containers using disposable Nitrile gloves and sealed with Teflon-lined lids.

An unfiltered groundwater sample was collected from the temporary piezometer installed in B-25. The groundwater sample was collected using a peristaltic pump with disposable tubing. The water sample was pumped directly into laboratory provided containers and sealed with Teflon-lined lids. The temporary piezometers were backfilled with bentonite clay following the removal of the PVC piping.

The soil and groundwater samples were placed on ice and shipped via courier to Pace Analytical for analysis for full suite VOCs by U.S EPA Method 8260B, PPL Metals using U.S. EPA Method 6010, (PCBs using U.S. EPA Method 8082, semi-VOCs using U.S. EPA Method 8270, and TPH-DRO and TPH-GRO by U.S. EPA Method 8015B.

### **3.3 Analytical Results**

The laboratory analytical data for the soil samples exhibited concentrations of arsenic above the Maryland Department of the Environment (MDE) non-residential cleanup standard for soil. The concentrations of arsenic ranged from 6.6 milligrams per kilogram (mg/kg) to 29.0 mg/kg. The highest concentration of arsenic was detected in the sample from SB-25 at a depth of 12 feet. Concentrations of diesel components and TPH (C06-C10) were detected above the MDE non-residential cleanup standards for soil. The concentrations of diesel above the MDE standard ranged from 652 mg/kg to 875 mg/kg and were exhibited in the samples collected from soil boring B-7, B-8, and B-9. Concentrations of TPH (C06-C10) above the MDE standard were exhibited in soil boring B-9 at 692 mg/kg and B-15 at 650 mg/kg. The results of the soil samples are summarized in **Table 1**. A copy of the laboratory analytical report is included as **Appendix B**.

The laboratory analytical data for the unfiltered groundwater samples exhibited elevated levels of arsenic, benzene, beryllium, chromium (total), diesel components, lead, mercury, naphthalene, nickel, and TPH(C06-C10) above the MDE standard for type I and II aquifers. The highest concentrations were detected in the water sample collected from soil boring B-25 (GW-25). The results of the water sample analyses are summarized in **Table 2**. A copy of the laboratory analytical report is included as **Appendix B**.

#### 4.0 CONCLUSION

As part of the environmental due diligence, Triad has performed a Phase II ESA for the property identified as the proposed MUSEC in Hagerstown, Maryland. A total of 26 soil borings were drilled. Of the 26 drilled soil borings, 22 soil samples and 3 groundwater samples were collected and submitted for laboratory analysis. The laboratory analytical testing has exhibited concentrations of arsenic, diesel components, and TPH (C06-C10) in the soils above the MDE soil cleanup standards and concentrations of arsenic, benzene, beryllium, chromium (total), diesel components, lead, mercury, naphthalene, nickel, and TPH(C06-C10) above the MDE groundwater cleanup standards. The MDE has regulatory authority over sites exhibiting petroleum contamination above state standards. As such, property owners should be notified of the results of this investigation so that they can consult with the MDE and determine if further investigations and/or cleanup is warranted.

Four areas have been identified on **Figure 2** that may require environmental attention and cleanup based on the PID readings and laboratory analytical testing. The four areas total approximately 24,916 square feet. At an average depth of 12 feet deep based on the soil boring refusals encountered in the highlighted areas, the estimated quantity of soil requiring remedial excavation could be approximately 298,992 cubic feet (11,073 cubic yards). Depending on the actual weight of the material, the estimated cost to dispose of the excavated contaminated material would be approximately \$290,000 to \$320,000. It is important to note, this price range estimate does not include the excavation, backfilling, transportation, environmental oversight, and sampling that would be required to complete the remediation excavation. Additionally, a toxicity characteristic leaching procedure (TCLP) test would be required for disposal to characterize the material as hazardous or non-hazardous. If the material for disposal is determined to be hazardous the cost for disposal could double.

#### 5.0 LIMITATIONS

This report was prepared by Triad Engineering, Inc. for the use of the City of Hagerstown in assessing the Site identified as the proposed M.U.S.E.C in Hagerstown, Maryland. The scope is limited to the specific project and locations described herein.

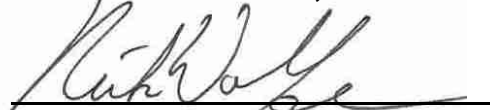
Our conclusions and opinions are based on our interpretation of the information that was provided to us by others and on our own data collection. Subsurface conditions may vary on-site between test locations with time.

This Phase II ESA was prepared in general conformance with the *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, hereafter referred to as the ASTM Standard Practice, as defined by the *American Society for Testing and Materials (ASTM), Designation E1903-11* and in general conformance with the Code of Maryland Regulations (COMAR) 26.10.09 and Maryland Environmental Assessment Technology (MEAT) for Leaking Underground Storage Tanks (LUSTs). Our assessment is valid only for the time at which it was performed. We do not assume responsibility for conditions at the Site that were known by our client or other individuals and not divulged to us during the preparation of this report. In addition, we can make no guarantees that the MDE will not require additional information if this report is reviewed by them. No other warranty, either implied or expressed, is made as to the professional advice and opinions expressed herein.

Should you have any questions regarding the content of this report, please do not hesitate to contact us at (301) 797-6400.

Sincerely,

**TRIAD ENGINEERING, INC.**

A handwritten signature in black ink, appearing to read "Nick Wolfe", is written over a horizontal line.

Nicholas J. Wolfe, P.G.  
Project Geologist

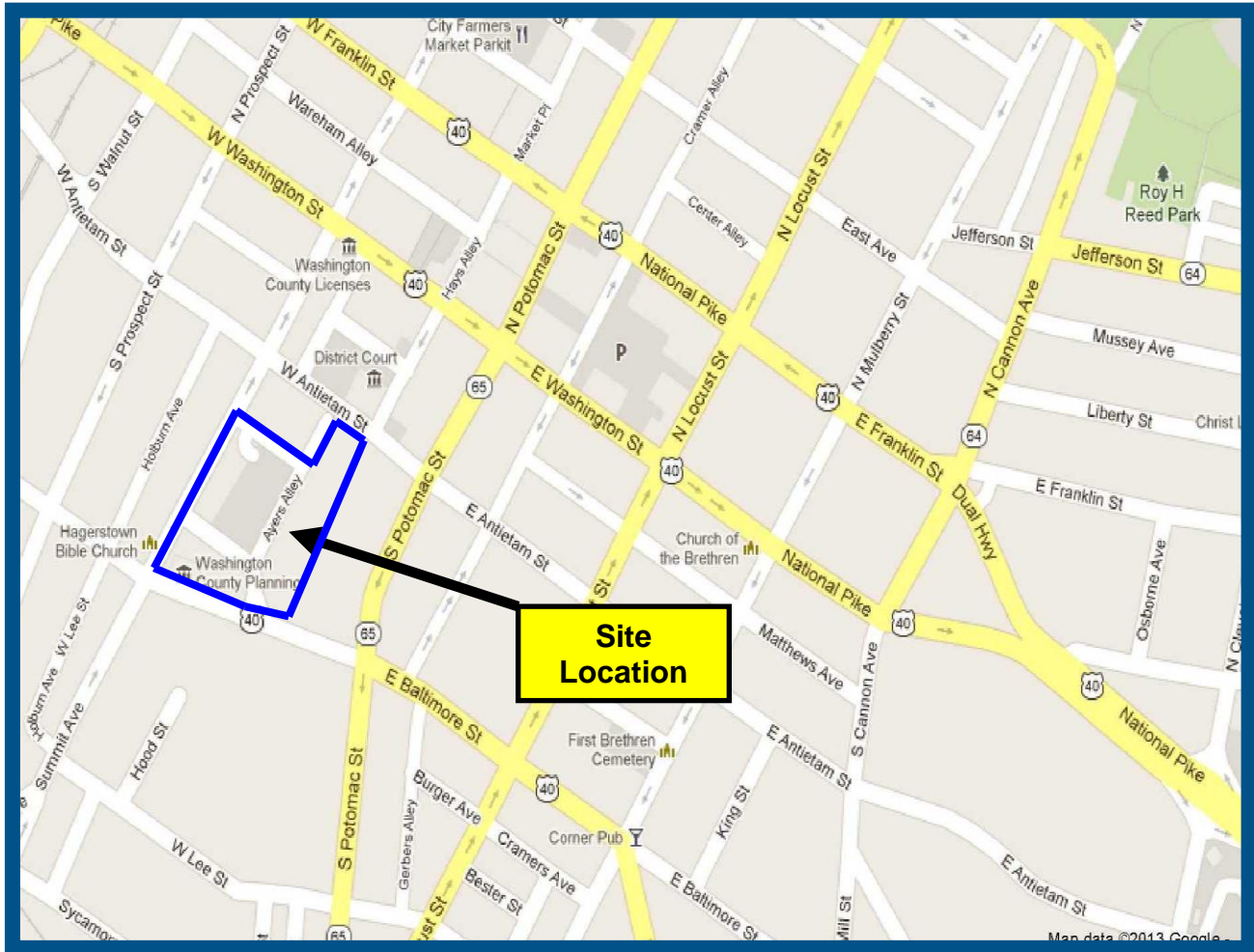
## **FIGURES**

**Site Vicinity Map  
Soil and Groundwater Sample Locations**

Figure 1

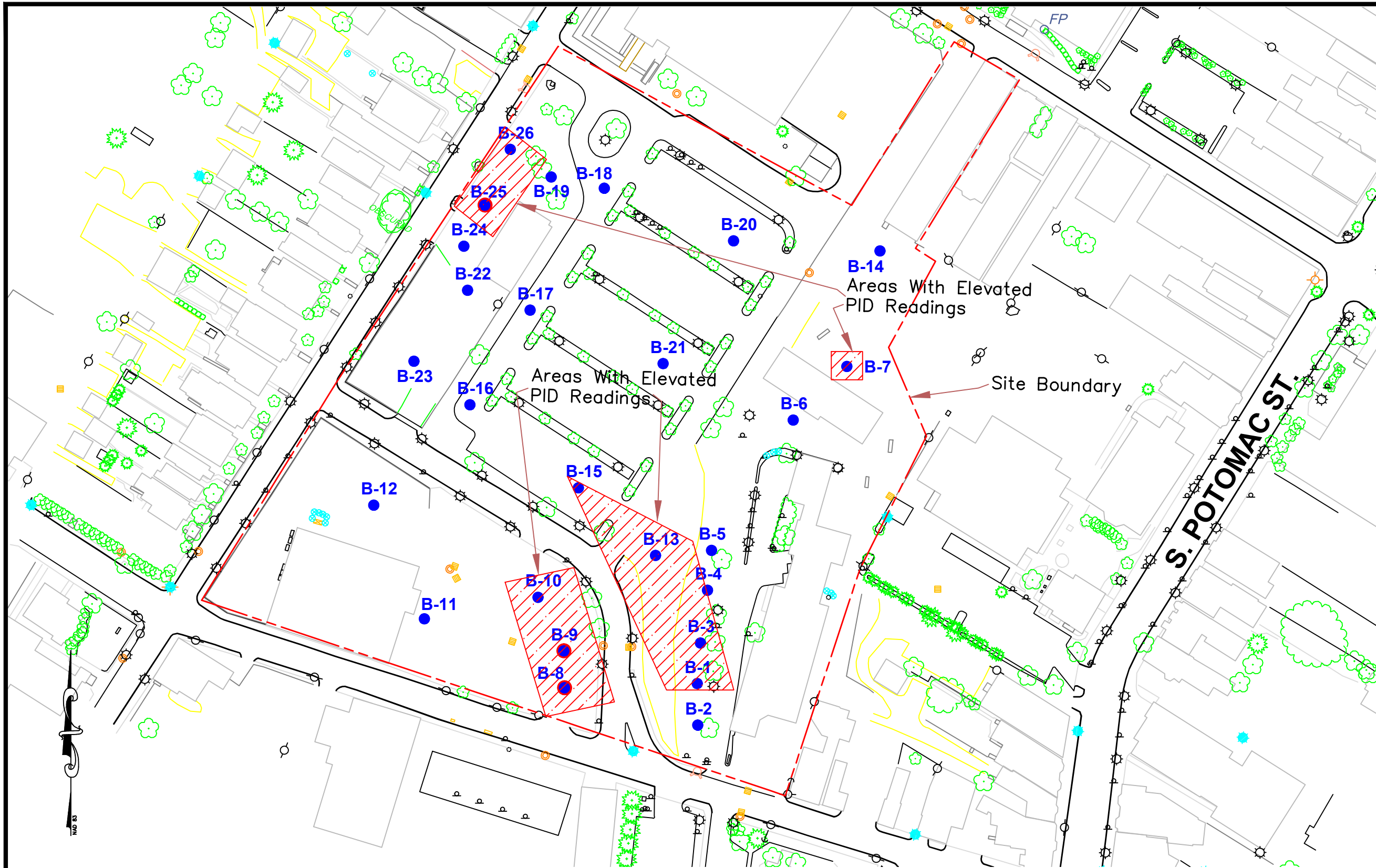
**Proposed M.U.S.E.C  
Hagerstown, Maryland 21740**

**Site Vicinity Topographic Map**



Source: Map data 2013 Google Maps  
Not to Scale





ALL FEATURES ARE APPROXIMATE AND ARE FOR ILLUSTRATION PURPOSES ONLY.

- SOIL AND WATER SAMPLING LOCATION
- SOIL SAMPLING LOCATION

**TRIAD ENGINEERING, INC.**

1075-D SHERMAN AVENUE  
 HAGERSTOWN, MD 21740  
 PH: 301.797.6400 FAX: 301.797.2424

OFFICE LOCATIONS  
 MARYLAND • PENNSYLVANIA • VIRGINIA • WEST VIRGINIA

CADD FILE:	JOB NO: 03-12-0364	CHECKED BY: JHM	SCALE: 1"=100'
	DRAWN BY: NJW	DATE: 01/15/2013	

**Soil And Groundwater Sample Locations**

PROPOSED M.U.S.E.C.  
 HAGERSTOWN, MARYLAND 21740



SHEET NUMBER:  
**Figure 2**  
 FILE NO.: 12-0364  
 JOB NO.: 03-12-0364



## **TABLES**

**Phase II Soil Sampling Summary Results**  
**Phase II Water Sampling Summary Results**

Table 1 - Phase II Soil Analytical Summary - Hits Only

Proposed M.U.S.E.C.  
Hagerstown, Maryland 21740

Soil Hits

Parameter	Matrix	Units	MDE Standard*	B-1 4.5	B-3 4.5	B-6 10	B-7 3.5	B-8 5	B-9 10	B-10 5	B-12 2	B-13	B-14	B-15	B-16	B-17	B-18	B-19	B-20	B-21	B-22	B-23	B-24	B-25	B-26	
Date Sampled			2008	9/7/2012	9/7/2012	9/7/2012	9/7/2012	9/7/2012	9/7/2012	9/7/2012	9/7/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	
Depth of Sample				4.5 feet	4.5 feet	10 feet	3.5 feet	5 feet	10 feet	5 feet	2 feet	10-12 feet	6 feet	7.5 feet	5 feet	12 feet	4 feet	6.5 feet	6.5 feet	9.5 feet	3.5 feet	7 feet	5 feet	12 feet	16 feet	
Photoionization Detector (PID)	Air	PPM	NS	110	1330	0	110	1815	3008	3613	0	306	0	2678	11	0	0	0	0	0	0	0	0	0	1200	1384
1,2,4-Trimethylbenzene	Solid	mg/kg	NS	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	ND	ND	ND	0.0092	ND	ND	ND	NA*	ND	ND	ND	0.0071	ND	ND	
1,3,5-Trimethylbenzene	Solid	mg/kg	NS	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	ND	ND	ND	0.0027 J	ND	ND	ND	NA*	ND	ND	ND	0.0019 J	ND	0.061	
2-Butanone (MEK)	Solid	mg/kg	61000	ND	0.139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA*	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	Solid	mg/kg	410	NA*	ND	NA*	NA*	NA*	10.4	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	ND	NA*	
4-Methyl-2-pentanone (MIBK)	Solid	mg/kg	--	ND	ND	ND	ND	ND	ND	0.190	ND	ND	ND	ND	ND	ND	ND	ND	NA*	ND	ND	ND	ND	ND	ND	
Acetone	Solid	mg/kg	92000	0.0783	0.453	0.0264	ND	0.452 J	2.89	0.0673	ND	ND	0.017	ND	ND	0.0063 J	0.0062 J	0.0056 J	NA*	0.050	ND	ND	ND	0.025 J	0.066	
Antimony	Solid	mg/kg	41	ND	ND	ND	NA*	ND	ND	NA*	NA*	ND	1.1	ND	NA*	NA*	NA*	NA*	ND	NA*	NA*	NA*	NA*	ND	NA*	
Arsenic	Solid	mg/kg	1.9	21.5	12.8	21.0	NA*	8.0	6.6	NA*	NA*	9.6	8.1	18.9	NA*	NA*	NA*	NA*	6.6	NA*	NA*	NA*	NA*	29.0	NA*	
Benzene	Solid	mg/kg	52	0.0011 J	0.0064 J	ND	ND	0.345	1.96	0.0035 J	ND	ND	ND	ND	0.0015 J	ND	ND	ND	NA*	ND	ND	ND	ND	ND	ND	
Beryllium	Solid	mg/kg	200	1.5	1.1	1.6	NA*	1.2	0.43	NA*	NA*	1.4	0.84	2.4	NA*	NA*	NA*	NA*	0.76	NA*	NA*	NA*	NA*	3.2	NA*	
Carbon disulfide	Solid	mg/kg	10000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA*	ND	ND	ND	ND	0.0097 J	0.0047 J	
Chromium	Solid	mg/kg	310	33.3	33.8	34.5	NA*	24.3	11.5	NA*	NA*	33.3	19.3	45.3	NA*	NA*	NA*	NA*	22.2	NA*	NA*	NA*	NA*	42.8	NA*	
Copper	Solid	mg/kg	4100	13.3	6.0	11.4	NA*	10.1	9.9	NA*	NA*	15.6	23.7	25.8	NA*	NA*	NA*	NA*	10.5	NA*	NA*	NA*	NA*	19.3	NA*	
Cyclohexane	Solid	mg/kg	NS	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	2.2	0.0024 J	ND	ND	ND	ND	ND	NA*	ND	ND	ND	ND	0.0045 J	0.58	
Diesel Components	Solid	mg/kg	620	6.4 J	48.3	6.6 J	652	663	875	67.0	7.8 J	427	5.8 J	509	87.8	5.9 J	17.2	230	NA*	13.6	5.8 J	ND	69.4	295	19.7	
Ethylbenzene	Solid	mg/kg	10000	ND	0.0088	ND	ND	0.630	13.1	0.0186	ND	ND	ND	ND	ND	ND	ND	ND	NA*	ND	ND	ND	ND	ND	ND	
Gasoline Range Organics	Solid	mg/kg	620	8.3 J	151	ND	51.1 J	444	610	103	2.9 J	58.2	ND	615	ND	ND	ND	4.6 J	NA*	ND	ND	ND	2.9 J	23.2	147	
Isopropylbenzene (Cumene)	Solid	mg/kg	10000	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	0.32	ND	1.6	ND	ND	ND	ND	NA*	ND	ND	ND	ND	ND	0.23	
Lead	Solid	mg/kg	1000	26.8	25.5	28.8	NA*	19.3	24.2	NA*	NA*	24.0	107	40.9	NA*	NA*	NA*	NA*	12.6	NA*	NA*	NA*	NA*	25.8	NA*	
m&p-Xylene	Solid	mg/kg	NS	ND	0.0372	ND	ND	0.720	2.72	0.0047 J	ND	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	
Mercury	Solid	mg/kg	--	0.070 J	0.056 J	0.055 J	NA*	0.071 J	0.099 J	NA*	NA*	0.060 J	1.0	0.22	NA*	NA*	NA*	NA*	0.038 J	NA*	NA*	NA*	NA*	0.11 J	NA*	
Methylcyclohexane	Solid	mg/kg	NS	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	5.9	0.0048 J	28.3	0.0045 J	0.0027 J	ND	0.0028 J	NA*	0.0038 J	ND	ND	0.0034 J	0.013 J	5.0	
Methylene Chloride	Solid	mg/kg	380	ND	0.0039 J	ND	ND	ND	ND	ND	ND	0.0031 J	ND	ND	ND	ND	ND	0.0014 J	NA*	0.0055 J	0.0031 J	0.0027 J	0.0064	0.0045 J	ND	
Naphthalene	Solid	mg/kg	2000	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	ND	ND	0.014	ND	ND	ND	ND	NA*	ND	ND	ND	0.0064	0.0096 J	0.011 J	
Naphthalene	Solid	mg/kg	2000	NA*	ND	NA*	NA*	NA*	5.41	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	ND	NA*	
Nickel	Solid	mg/kg	2000	22.6	14.4	26.0	NA*	17.9	8.5	NA*	NA*	24.5	15.8	46.9	NA*	NA*	NA*	NA*	12.9	NA*	NA*	NA*	NA*	42.3	NA*	
o-Xylene	Solid	mg/kg	NS	ND	0.0044 J	ND	ND	0.149 J	0.394 J	ND	ND	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	
p-Isopropyltoluene	Solid	mg/kg	NS	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	0.14 J	ND	0.29 J	ND	ND	ND	ND	NA*	ND	ND	ND	ND	ND	0.065	
Percent Moisture	Solid	%	NS	22.6	25.2	24.9	19.4	20.9	40.9	20.9	20.1	22.8	27.9	44.9	13.8	21.3	16.4	11.5	19.2	19.0	22.0	21.9	20.5	27.0	28.8	
Selenium	Solid	mg/kg	510	1.3	1.2	1.5	NA*	0.84	1.4	NA*	NA*	1.4	1.0	1.4	NA*	NA*	NA*	NA*	1.4	NA*	NA*	NA*	NA*	NA*	NA*	
Silver	Solid	mg/kg	510	ND	0.20 J	0.30 J	NA*	ND	ND	NA*	NA*	ND	0.44 J	0.38 J	NA*	NA*	NA*	NA*	ND	NA*	NA*	NA*	NA*	0.23 J	NA*	
Tetrachloroethene	Solid	mg/kg	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA*	ND	0.0014 J	ND	ND	ND	ND	
Toluene	Solid	mg/kg	8200	ND	0.0047 J	ND	ND	0.204 J	0.810	0.0039 J	ND	ND	ND	ND	ND	ND	ND	ND	NA*	ND	ND	ND	ND	ND	ND	
TOTAL BTEX	Solid	mg/kg	NS	ND	0.0460	ND	ND	1.69	18.6	0.0186 J	ND	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	NA*	
TPH (C06-C10)	Solid	mg/kg	620	9.4 J	167	3.5 J	56.8 J	500	692	106	3.4 J	62.9	ND	650	ND	ND	ND	5.2 J	NA*	ND	ND	ND	3.3 J	17.1	152	
Xylene (Total)	Solid	mg/kg	20000	ND	0.0416	ND	ND	0.868	3.11	0.0047 J	ND	ND	ND	ND	0.0051 J	ND	ND	ND	NA*	ND	ND	ND	0.010 J	ND	ND	
Zinc	Solid	mg/kg	31000	42.3	28.9	53.7	NA*	27.2	27.6	NA*	NA*	35.0	50.7	134	NA*	NA*	NA*	NA*	24.6	NA*	NA*	NA*	NA*	83.9	NA*	

Notes:  
 mg/kg = Milligrams per kilogram  
 NS = No MDE Standard  
 NA\* = Not Analyzed  
 ND = Not detected.  
 Red and Bold = Above the MDE standard  
 NA = Not applicable  
 J = Analyte detected at a level less than the Method Reporting Limit (MRL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.  
 \*Maryland Department of the Environment (MDE) Table 1 - Generic Numeric Cleanup Standards for Groundwater and Soil, revised June 2008  
 PPM = Parts per million

Table 2 - Phase II Groundwater Analytical Summary - Hits Only

Proposed M.U.S.E.C.  
Hagerstown, Maryland 21740

Water Hits

Parameter	Matrix	Units	MDE Standard	B-8 GW	B-9 GW	GW-25
Date Sampled			2008	9/7/2012	9/7/2012	12/4/2012
1,2,4-Trimethylbenzene	Water	ug/L	NS	2.6	2.6	NA*
1,3,5-Trimethylbenzene	Water	ug/L	NS	8.6	9.4	NA*
Acetone	Water	ug/L	550	13	26	ND
Arsenic	Water	ug/L	10	NA*	<b>62.7</b>	<b>626</b>
Benzene	Water	ug/L	5	<b>160</b>	<b>120</b>	0.43 J
Beryllium	Water	ug/L	4	NA*	<b>5.9</b>	<b>54.2</b>
Chlorobenzene	Water	ug/L	100	33	21	ND
Chromium	Water	ug/L	100	NA*	<b>176</b>	<b>1190</b>
Copper	Water	ug/L	1300	NA*	151	575
Cyclohexane	Water	ug/L	NS	NA*	NA*	0.63 J
Diesel Components	Water	ug/L	47	<b>1900</b>	<b>1000</b>	<b>45500</b>
Ethylbenzene	Water	ug/L	700	20	14	ND
Isopropylbenzene (Cumene)	Water	ug/L	66	26	20	ND
Lead	Water	ug/L	15	NA*	<b>283</b>	<b>1220</b>
Mercury	Water	ug/L	2	NA*	0.99	<b>4.0</b>
Methylcyclohexane	Water	ug/L	NS	NA*	NA*	9.1 J
Naphthalene	Water	ug/L	0.65	<b>3.9</b>	0.98 J	ND
Nickel	Water	ug/L	73	NA*	<b>130</b>	<b>800</b>
Selenium	Water	ug/L	50	NA*	7.5 J	70.5 J
TPH (C06-C10)	Water	ug/L	47	<b>2500</b>	<b>1570</b>	<b>15200</b>
Toluene	Water	ug/L	1000	8.2	11	0.44 J
Xylene (Total)	Water	ug/L	10000	16	46	ND
Zinc	Water	ug/L	5000	NA*	365	2110
cis-1,2-Dichloroethene	Water	ug/L	70	ND	ND	0.25 J
cis-1,3-Dichloropropene	Water	ug/L	0.44	ND	ND	ND
m&p-Xylene	Water	ug/L	NS	13	37	ND
o-Xylene	Water	ug/L	NS	3.1	8.8	ND

Notes:

ug/L = Micrograms per liter

NS = No MDE Standard

NA\* = Not analyzed

ND = Not detected.

Red and Bold = Above The MDE Standard

NA = Not applicable

J = Analyte detected at a level less than the Method Reporting Limit (MRL) and greater than or equal to the Method Detection Limit (MDL), concentrations within this range are estimated.

\*Maryland Department of the Environment (MDE) Table 1 - Generic Numeric Cleanup Standards for Groundwater and Soil, revised June 2008

**APPENDIX A**  
**BORING LOGS**

# Well Log

**B-1**  
0 to 4.5



Client:	City of Hagerstown	Boring Depth:	4.5 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	32 West Baltimore Street Hagerstown, MD 21740	Water Level:	NA
Method:	Geoprobe	Well Depth:	NA
Drill Date:	September 7, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	NA

Notes: = Laboratory Sample      = Static Water Level      = Water Bearing Zone  
NA = Not Applicable

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0.0								
0 - 1				0 - 5.0	NA	100%	0'-1' Grass over topsoil	0
1 - 2							1'-2' Black COAL dust	0
2 - 3							2'-4.5' Gray/black silty CLAY, moist	110
3 - 4								
4 - 5							4.5 Refusal - Gray LIMSTONE	
5 - 6				5.0 - 10.0	NA	NA		
6 - 7								
7 - 8								
8 - 9								
9 - 10								
10 - 11				10.0 - 12.5	NA	NA		
11 - 12								





# Well Log

**B-4**  
**0 to 4.5**



Client: City of Hagerstown Project: M.U.S.E.C. Location: 32 West Baltimore Street Hagerstown, MD 21740 Method: Geoprobe Drill Date: September 7, 2012 Drilling Company: Green Services, Inc. *All measurements are approximate.	Boring Depth: 4.5 feet Top Elevation: Not Surveyed Water Level: NA Well Depth: NA Casing Length: NA Screen Length: NA Slot Size: NA Well Diameter: NA
Notes:  = Laboratory Sample	= Static Water Level = Water Bearing Zone NA = Not Applicable

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0				0 - 5.0	NA	100%	0'-0.5' Grass over topsoil	0
1							0.5'-1.5' Black COAL dust	0
2							1.5'-3' Brown sitly CLAY, moist	82
3							3'-4.5' Black/gray sitly CLAY, moist	545
4							4.5 Refusal - Gray LIMSTONE	
5				5.0 - 10.0	NA	NA		
6								
7								
8								
9								
10				10.0 - 12.5	NA	NA		
11								
12								





**Well Log**

**B-6**  
**0 to 10.5**



Client:	City of Hagerstown	Boring Depth:	10.5 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	32 West Baltimore Street Hagerstown, MD 21740	Water Level:	NA
Method:	Geoprobe	Well Depth:	NA
Drill Date:	September 7, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
		Slot Size:	NA
		Well Diameter:	NA

\*All measurements are approximate.

Notes: = Laboratory Sample = Static Water Level = Water Bearing Zone  
NA = Not Applicable

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0.0								
				0 - 5.0	NA	100%	0'-0.75' Asphalt over Limestone GRAVEL	0
1							0.75'-1.5' Brown silty CLAY	0
							1.5'-2' Black COAL dust	0
2							2'-8' Red CLAY with Dark Brown silty CLAY	0
3								
4								
5				5.0 - 10.0	NA	100%		0
6								
7								
8							8'-10.5' Black silty CLAY, moist	0
9								
10				10.0 - 12.5	NA	10%		0
							10.5' Refusal - Gray LIMESTONE	
11								
12								



Well Log

B-8

0 to 10.0

Client:	City of Hagerstown	Boring Depth:	10 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	80 West Baltimore Street	Water Level:	~7.0 feet
	Hagerstown, MD 21740	Well Depth:	10 feet
Method:	Geoprobe	Casing Length:	5 feet
Drill Date:	September 7, 2012	Screen Length:	5 feet
Drilling Company:	Green Services, Inc.	Slot Size:	NA
*All measurements are approximate.		Well Diameter:	0.75 inches

Notes: = Laboratory Sample     = Static Water Level     = Water Bearing Zone  
 = Not Applicable

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0.0		GRAVEL		0 - 5.0	NA	100%	0'-1' Asphalt over Limestone GRAVEL	0
1						1'-6' Black silty CLAY, wet	1815	
2								
3				silty CLAY				
4	PVC Riser							
5				5.0 - 10.0	NA	100%		430
6							6'-10' Black Silty CLAY, some organic material (snell shells), moist to wet	
7								
8	PVC Screen							
9								
10								0
10.0				10.0 - 12.5	NA	NA	10' Refusal - Gray LIMESTONE	
11								
12								





# Well Log

**B-11**

0 to 2



Client:	City of Hagerstown	Boring Depth:	2 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	80 West Baltimore Street Hagerstown, MD 21740	Water Level:	NA
Method:	Geoprobe	Well Depth:	NA
Drill Date:	September 7, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	NA
Notes:	= Static Water Level	= Water Bearing Zone	
	= Laboratory Sample	NA = Not Applicable	

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0								
0 - 5.0				0 - 5.0	NA	100%	0'-1' Asphalt over Gray Limestone GRAVEL	0
1 - 2							1'-2' Brown Silty CLAY	0
2 - 3							2' Refusal - Gray LIMESTONE	
5.0 - 10.0				5.0 - 10.0	NA	NA		
10.0 - 12.5				10.0 - 12.5	NA	NA		

# Well Log

**B-12**

**0 to 2**



Client:	City of Hagerstown	Boring Depth:	2 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	80 West Baltimore Street Hagerstown, MD 21740	Water Level:	NA
Method:	Geoprobe	Well Depth:	NA
Drill Date:	September 7, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
		Slot Size:	NA
		Well Diameter:	NA

\*All measurements are approximate.

Notes: = Laboratory Sample      = Static Water Level      = Water Bearing Zone  
 = Not Applicable

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0								
0 - 5.0				0 - 5.0	NA	100%	0'-1' Asphalt over Gray Limestone GRAVEL	0
1							1'-2' Brown Silty CLAY	0
2							2' Refusal - Gray LIMESTONE	
3								
4								
5				5.0 - 10.0	NA	NA		
6								
7								
8								
9								
10				10.0 - 12.5	NA	NA		
11								
12								



# Boring Log

**B-13**  
0 to 14.5



Client:	City of Hagerstown	Boring Depth:	14.5 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	Herald Mail Parking Lot - Gravel Hagerstown, MD 21740	Water Level:	Non Detected
Method:	Geoprobe	Well Depth:	14.5 feet
Drill Date:	December 4, 2012	Casing Length:	4 feet
Drilling Company:	Green Services, Inc.	Screen Length:	10.5 feet
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	0.75 inches

Notes: = Laboratory Sample      = Static Water Level      = Water Bearing Zone  
NA = Not Applicable

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)		
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)	
0		GRAVEL		0 - 4.0	NA	75%	0'-4' Limestone GRAVEL over black coal dust, trace brown silty clay	0	
1									
2		PVC Riser							
3		silty CLAY							
4					4.0 - 8.0	NA	60%	4'-5' Black COAL dust	0
5								5'-8' Brown/Orange CLAY, some silt	0
6									
7									
8		PVC Screen			8.0 - 12.0	NA	100%	8'-13' Black/Gray CLAY, moist	306
9									
10									
11									
12					12.0 - 16.0	NA	100%		300
13								13'-14.5' Brown silty CLAY, moist	5
14							14.5' Refusal - Gray LIMESTONE		



**Boring Log**  
**B-15**  
**0 to 7.5**



Client:	City of Hagerstown	Boring Depth:	7.5 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	Herald Mail Parking Lot - Asphalt Hagerstown, MD 21740	Water Level:	Non Detected
Method:	Geoprobe	Well Depth:	NA
Drill Date:	December 4, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
		Slot Size:	NA
		Well Diameter:	NA
*All measurements are approximate.			
Notes:	= Laboratory Sample	= Static Water Level	= Water Bearing Zone
		NA = Not Applicable	

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0				0 - 4.0	NA	75%	0'-1' Aspht over Limestone GRAVEL	0
1							1'-3.5' Black COAL dust, moist	0
2								
3								
4							3.5'-4' Brown/Orange CLAY, some Silt	9
4				4.0 - 8.0	NA	40%	4'-7.5' Brown to Black/Gray silty CLAY	2678
5								
6								
7								
7							7.5' Refusal - Gray LIMESTONE	
8								
8				8.0 - 12.0	NA	NA		
9								
10								
11								
12								



**Boring Log**

**B-17**  
**0 to 12**



Client:	City of Hagerstown	Boring Depth:	12 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	Herald Mail Parking Lot - Asphalt Hagerstown, MD 21740	Water Level:	Non Detected
Method:	Geoprobe	Well Depth:	NA
Drill Date:	December 4, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	NA
Notes:	= Laboratory Sample                       = Static Water Level                       = Water Bearing Zone NA = Not Applicable		

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0				0 - 4.0	NA	50%	0'-3' Aspht over Limestone GRAVEL	0
1								
2								
3							3'-5' Black COAL dust	
4				4.0 - 8.0	NA	75%		0
5							5'-12' Brown silty CLAY, dry to moist	
6								
7								
8				8.0 - 12.0	NA	100%		0
9								
10								
11								
12							12' Refusal - Gray LIMESTONE	





**Boring Log**  
**B-20**  
**0 to 6.5**



Client:	City of Hagerstown	Boring Depth:	6.5 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	Herald Mail Parking Lot - Asphalt Hagerstown, MD 21740	Water Level:	Non Detected
Method:	Geoprobe	Well Depth:	NA
Drill Date:	December 4, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	NA
Notes:	= Static Water Level = Water Bearing Zone = Laboratory Sample NA = Not Applicable		

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0				0 - 4.0	NA	60%	0'-2' Asphalt over Gray Limestone GRAVEL	0
1								
2							2'-3' Black COAL dust	
3							3'-6.5' Brown silty CLAY	
4				4.0 - 8.0	NA	40%		0
5								
6							6.5 Refusal - Gray LIMESTONE	
7								
8				8.0 - 12.0	NA	NA		
9								
10								
11								
12								





**Boring Log**  
**B-22**  
**0 to 3.5**



Client:	City of Hagerstown	Boring Depth:	3.5 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	Laundromat - Asphalt Hagerstown, MD 21740	Water Level:	Non Detected
Method:	Geoprobe	Well Depth:	NA
Drill Date:	December 4, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	NA
Notes:	= Static Water Level = Water Bearing Zone = Laboratory Sample NA = Not Applicable		

Depth Interval = 1

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0				0 - 4.0	NA	75%	0'-1' Asphalt over Gray Limestone GRAVEL	0
1							1'-3.5' Brown silty CLAY	
2							3.5' Refusal - Gray LIMESTONE	
3								
4				4.0 - 8.0	NA	NA		
5								
6								
7								
8				8.0 - 12.0	NA	NA		
9								
10								
11								
12								





# Boring Log

**B-25**  
0 to 18.5



Client:	City of Hagerstown	Boring Depth:	18.5 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	Laundromat - Asphalt Hagerstown, MD 21740	Water Level:	Non Detected
Method:	Geoprobe	Well Depth:	18.5 feet
Drill Date:	December 4, 2012	Casing Length:	8.5 feet
Drilling Company:	Green Services, Inc.	Screen Length:	10 feet
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	0.75 inches

Notes: = Laboratory Sample      = Static Water Level      = Water Bearing Zone  
NA = Not Applicable

Depth Interval = 2

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0		GRAVEL		0 - 4.0	NA	100%	0'-1' Asphalt (5") over Concrete (7")	0
						1'-2' Gray Limestone GRAVEL, tightly compacted		
						2'-4' Brown silty CLAY		
2		PVC Riser						
4		silty CLAY		4.0 - 8.0	NA	100%	4'-12' Red/Brown silty CLAY, stiff	50
6								
8				8.0 - 12.0	NA	100%		1200
10								
12				12.0 - 16.0	NA	100%	12'-18.5' Brown silty CLAY, moist to wet	65
14								
16		PVC Screen		16.0 - 20.0	NA	50%		35
18							18.5' Refusal - Gray LIMESTONE	
20				20.0 - 24.0	NA	NA		
22								
24				20.0 - 24.0	NA	100%		
26								
28								

**Boring Log**

**B-26**  
**0 to 24**



Client:	City of Hagerstown	Boring Depth:	24 feet
Project:	M.U.S.E.C.	Top Elevation:	Not Surveyed
Location:	Laundromat - Asphalt Hagerstown, MD 21740	Water Level:	Non Detected
Method:	Geoprobe	Well Depth:	NA
Drill Date:	December 4, 2012	Casing Length:	NA
Drilling Company:	Green Services, Inc.	Screen Length:	NA
*All measurements are approximate.		Slot Size:	NA
		Well Diameter:	0.75 inches

Notes: = Laboratory Sample      = Static Water Level      = Water Bearing Zone  
 NA = Not Applicable

Depth Interval = 2

Depth (feet)	Well Construction	Key	Sample			Sample Description	PID (ppm)	
			ID	Depth (ft)	Blows/6"			Pen/Rec (%)
0				0 - 4.0	NA	50%	0'-1' Asphalt over Gray Limestone GRAVEL	0
2							1'-4' Black COAL dust over Brown silty CLAY	
4				4.0 - 8.0	NA	75%	4'-12' Brown silty CLAY, stiff	0
6								
8				8.0 - 12.0	NA	100%		0
10								
12				12.0 - 16.0	NA	100%	12'-24' Brown to Gray silty CLAY, moist to wet	1366
14								
16				16.0 - 20.0	NA	100%		1384
18								
20				20.0 - 24.0	NA	0%	No Recover - Sampler Broke	NA
22								
24				20.0 - 24.0	NA	100%	24' Sampler Broke - Gray LIMESTONE	
26								
28								

**APPENDIX B**

**PACE ANALYTICAL LABORATORY REPORTS**

September 26, 2012

Mr. Nicholas Wolfe  
Triad Engineering, Inc.  
1075 D Sherman Ave.  
Hagerstown, MD 21740

RE: Project: MUSEC PHASE II  
Pace Project No.: 3077070

Dear Mr. Wolfe:

Enclosed are the analytical results for sample(s) received by the laboratory on September 10, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

The samples were received at 16.6 degrees Centigrade. Ice was present.

The metals container for sample 007, "B-9 GW" is labeled "B-8 GW". The 1-Liter container received for sample "B-9 GW" was split into 3 portions to be used for SVOC, PCB and DRO analyses at the client's request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



David A. Pichette

david.pichette@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: MUSEC PHASE II  
Pace Project No.: 3077070

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### **Pennsylvania Certification IDs**

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601  
ACCLASS DOD-ELAP Accreditation #: ADE-1544  
Alabama Certification #: 41590  
Arizona Certification #: AZ0734  
Arkansas Certification  
California/TNI Certification #: 04222CA  
Colorado Certification  
Connecticut Certification #: PH-0694  
Delaware Certification  
Florida/TNI Certification #: E87683  
Guam/PADEP Certification  
Hawaii/PADEP Certification  
Idaho Certification  
Illinois/PADEP Certification  
Indiana/PADEP Certification  
Iowa Certification #: 391  
Kansas/TNI Certification #: E-10358  
Kentucky Certification #: 90133  
Louisiana/TNI Certification #: LA080002  
Louisiana/TNI Certification #: 4086  
Maine Certification #: PA0091  
Maryland Certification #: 308  
Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification  
Missouri Certification #: 235  
Montana Certification #: Cert 0082  
Nevada Certification  
New Hampshire/TNI Certification #: 2976  
New Jersey/TNI Certification #: PA 051  
New Mexico Certification  
New York/TNI Certification #: 10888  
North Carolina Certification #: 42706  
Oregon/TNI Certification #: PA200002  
Pennsylvania/TNI Certification #: 65-00282  
Puerto Rico Certification #: PA01457  
South Dakota Certification  
Tennessee Certification #: TN2867  
Texas/TNI Certification #: T104704188  
Utah/TNI Certification #: ANTE  
Virgin Island/PADEP Certification  
Virginia Certification #: 00112  
Virginia/VELAP Certification #: 460198  
Washington Certification #: C868  
West Virginia Certification #: 143  
Wisconsin/PADEP Certification  
Wyoming Certification #: 8TMS-Q

---

## SAMPLE SUMMARY

Project: MUSEC PHASE II

Pace Project No.: 3077070

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3077070001	B-8 GW	Water	09/07/12 09:21	09/10/12 10:00
3077070002	B-3 4.5	Solid	09/07/12 10:06	09/10/12 10:00
3077070003	B-6 10	Solid	09/07/12 10:05	09/10/12 10:00
3077070004	B-7 3.5	Solid	09/07/12 10:10	09/10/12 10:00
3077070005	B-8 5	Solid	09/07/12 10:12	09/10/12 10:00
3077070006	B-9 10	Solid	09/07/12 10:15	09/10/12 10:00
3077070007	B-9 GW	Water	09/07/12 10:30	09/10/12 10:00
3077070008	B-10 5	Solid	09/07/12 10:47	09/10/12 10:00
3077070009	B-1 4.5	Solid	09/07/12 11:17	09/10/12 10:00
3077070010	B-12 2	Solid	09/07/12 11:24	09/10/12 10:00

## REPORT OF LABORATORY ANALYSIS

### SAMPLE ANALYTE COUNT

Project: MUSEC PHASE II  
Pace Project No.: 3077070

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3077070001	B-8 GW	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
3077070002	B-3 4.5	EPA 8260	JAS	54	PASI-PA
		EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8082	SJG	10	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
		EPA 8270	SPL	70	PASI-PA
		EPA 8260	JEW	45	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3077070003	B-6 10	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
		EPA 8260	JEW	45	PASI-PA
3077070004	B-7 3.5	ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	45	PASI-PA
3077070005	B-8 5	ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
3077070006	B-9 10	EPA 8260	JEW	45	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8082	SJG	10	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
		EPA 8270	SPL	70	PASI-PA
		EPA 8260	JEW	45	PASI-PA
3077070007	B-9 GW	ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8082	SJG	9	PASI-PA

### REPORT OF LABORATORY ANALYSIS

### SAMPLE ANALYTE COUNT

Project: MUSEC PHASE II

Pace Project No.: 3077070

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	RTW	12	PASI-PA
		EPA 7470	RTW	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
<b>3077070008</b>	<b>B-10 5</b>	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	45	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
<b>3077070009</b>	<b>B-1 4.5</b>	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
		EPA 8260	JEW	45	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
<b>3077070010</b>	<b>B-12 2</b>	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	45	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 8015B Modified

**Description:** 8015 GCS THC-Diesel

**Client:** Triad - MD

**Date:** September 26, 2012

**General Information:**

10 samples were analyzed for EPA 8015B Modified. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/12724

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- B-7 3.5 (Lab ID: 3077070004)
  - o-Terphenyl (S)
- B-8 5 (Lab ID: 3077070005)
  - o-Terphenyl (S)
- B-9 10 (Lab ID: 3077070006)
  - o-Terphenyl (S)

QC Batch: OEXT/12738

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 486780)
  - o-Terphenyl (S)
- MSD (Lab ID: 486781)
  - o-Terphenyl (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

---

**Method:** EPA 8015B Modified  
**Description:** 8015 GCS THC-Diesel  
**Client:** Triad - MD  
**Date:** September 26, 2012

QC Batch: GCSV/4838

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

### Additional Comments:

Analyte Comments:

QC Batch: OEXT/12724

4c: The majority of the area quantitated as DRO for this sample is due to unresolved material eluting beyond C 20.

- B-7 3.5 (Lab ID: 3077070004)
- Diesel Components

QC Batch: OEXT/12738

2c: Matrix spike recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: 486780)
  - Diesel Components
- MSD (Lab ID: 486781)
  - Diesel Components

5c: The response for O-Terphenyl is high in the opening calibration standard. Recovery of O-Terphenyl is within limits. Recovery may be biased high.

- B-9 GW (Lab ID: 3077070007)
  - o-Terphenyl (S)
- BLANK (Lab ID: 486778)
  - o-Terphenyl (S)
- LCS (Lab ID: 486779)
  - o-Terphenyl (S)

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 8082

**Description:** 8082 GCS PCB

**Client:** Triad - MD

**Date:** September 26, 2012

**General Information:**

3 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCSV/4832

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

**Additional Comments:**

Analyte Comments:

QC Batch: OEXT/12732

1c: All positive Aroclor results are reported from the front column due to low response in calibration check standards on the rear column.

- LCS (Lab ID: 486398)
  - PCB-1016 (Aroclor 1016)
  - PCB-1260 (Aroclor 1260)

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 8082

**Description:** 8082 GCS PCB

**Client:** Triad - MD

**Date:** September 26, 2012

Analyte Comments:

QC Batch: OEXT/12741

3c: Recovery of the surrogate DCB is low. Sample results accepted based upon recovery of the surrogate TCMX.

- B-9 GW (Lab ID: 3077070007)
- Decachlorobiphenyl (S)

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 8015B Modified

**Description:** Gasoline Range Organics

**Client:** Triad - MD

**Date:** September 26, 2012

**General Information:**

8 samples were analyzed for EPA 8015B Modified. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 5035A/5030B with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

---

**Method:** EPA 5030/8015 Mod.  
**Description:** Gasoline Range Organics  
**Client:** Triad - MD  
**Date:** September 26, 2012

**General Information:**

2 samples were analyzed for EPA 5030/8015 Mod.. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCV/1804

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3076895004

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 485710)
- TPH (C06-C10)

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

---

**Method:** EPA 6010B  
**Description:** 6010 MET ICP  
**Client:** Triad - MD  
**Date:** September 26, 2012

**General Information:**

6 samples were analyzed for EPA 6010B. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

The samples were prepared in accordance with EPA 3005 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/9066

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3077070002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 485752)
  - Antimony

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: MPRP/9066

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 485751)
  - Arsenic
  - Chromium
  - Copper
  - Lead
  - Nickel

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

---

**Method:** EPA 7470  
**Description:** 7470 Mercury  
**Client:** Triad - MD  
**Date:** September 26, 2012

**General Information:**

1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 7471

**Description:** 7471 Mercury

**Client:** Triad - MD

**Date:** September 26, 2012

**General Information:**

5 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 8270

**Description:** 8270 MSSV FULL LIST MICROWAVE

**Client:** Triad - MD

**Date:** September 26, 2012

**General Information:**

2 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/12747

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3076975007

R1: RPD value was outside control limits.

- MSD (Lab ID: 486862)
- 2,4-Dinitrotoluene

**Additional Comments:**

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

---

**Method:** EPA 8270  
**Description:** 8270 MSSV Semivolatile Organic  
**Client:** Triad - MD  
**Date:** September 26, 2012

**General Information:**

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/12730

S0: Surrogate recovery outside laboratory control limits.

- LCS (Lab ID: 486248)
- Terphenyl-d14 (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSSV/4376

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 8270

**Description:** 8270 MSSV Semivolatile Organic

**Client:** Triad - MD

**Date:** September 26, 2012

Analyte Comments:

QC Batch: OEXT/12730

N2: The lab does not hold TNI accreditation for this parameter.

- B-9 GW (Lab ID: 3077070007)
  - 1-Methylnaphthalene
  - Azobenzene
- BLANK (Lab ID: 486247)
  - 1-Methylnaphthalene
  - Azobenzene
- LCS (Lab ID: 486248)
  - 1-Methylnaphthalene
  - Azobenzene



## PROJECT NARRATIVE

Project: MUSEC PHASE II

Pace Project No.: 3077070

---

**Method:** EPA 8260

**Description:** 8260 MSV 5030 Low Level

**Client:** Triad - MD

**Date:** September 26, 2012

**General Information:**

8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/13950

S5: Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

- B-8 5 (Lab ID: 3077070005)
- Toluene-d8 (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/13923

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 486277)
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,2-Dichlorobenzene
  - 1,2-Dichloroethane
  - 1,2-Dichloropropane
  - 1,3-Dichlorobenzene
  - 1,4-Dichlorobenzene
  - 2-Butanone (MEK)
  - Benzene

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

---

**Method:** EPA 8260  
**Description:** 8260 MSV 5030 Low Level  
**Client:** Triad - MD  
**Date:** September 26, 2012

QC Batch: MSV/13923

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon disulfide
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Chloromethane
- Dibromochloromethane
- Ethylbenzene
- Methyl-tert-butyl ether
- Methylene Chloride
- Styrene
- Tetrachloroethene
- Toluene
- Trichloroethene
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- o-Xylene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/13923

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/13950

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

### Additional Comments:

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

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**Method:** EPA 8260  
**Description:** 8260 MSV  
**Client:** Triad - MD  
**Date:** September 26, 2012

**General Information:**

2 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/13916

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 485900)
  - Styrene

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/13916

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3076838001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 485955)
  - Benzene
  - Chlorobenzene
  - tert-Amylmethyl ether
- MSD (Lab ID: 485956)
  - 2-Hexanone
  - Benzene
  - Chlorobenzene
  - Styrene

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: MUSEC PHASE II  
Pace Project No.: 3077070

---

**Method:** EPA 8260  
**Description:** 8260 MSV  
**Client:** Triad - MD  
**Date:** September 26, 2012

QC Batch: MSV/13916

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3076838001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- tert-Amylmethyl ether

R1: RPD value was outside control limits.

- MSD (Lab ID: 485956)
  - 2-Hexanone
  - Benzene
  - tert-Amylmethyl ether

### Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-8 GW**      **Lab ID: 3077070001**      Collected: 09/07/12 09:21      Received: 09/10/12 10:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3510							
Diesel Components	<b>1.9</b>	mg/L	0.21	0.077	2	09/13/12 09:00	09/18/12 19:53		
<b>Surrogates</b>									
o-Terphenyl (S)	79 %		50-150		2	09/13/12 09:00	09/18/12 19:53	84-15-1	
<b>Gasoline Range Organics</b>		Analytical Method: EPA 5030/8015 Mod.							
TPH (C06-C10)	<b>2500</b>	ug/L	1000	110	5		09/12/12 12:58		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99 %		70-130		5		09/12/12 12:58	460-00-4	
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Acetone	<b>0.013</b>	mg/L	0.010	0.0026	1		09/12/12 20:42	67-64-1	
tert-Amylmethyl ether	<b>0.00020U</b>	mg/L	0.0010	0.00020	1		09/12/12 20:42	994-05-8	
Benzene	<b>0.16</b>	mg/L	0.0010	0.000065	1		09/12/12 20:42	71-43-2	
Bromochloromethane	<b>0.00022U</b>	mg/L	0.0010	0.00022	1		09/12/12 20:42	74-97-5	
Bromodichloromethane	<b>0.00015U</b>	mg/L	0.0010	0.00015	1		09/12/12 20:42	75-27-4	
Bromoform	<b>0.00025U</b>	mg/L	0.0010	0.00025	1		09/12/12 20:42	75-25-2	
Bromomethane	<b>0.00037U</b>	mg/L	0.0010	0.00037	1		09/12/12 20:42	74-83-9	
2-Butanone (MEK)	<b>0.0011U</b>	mg/L	0.010	0.0011	1		09/12/12 20:42	78-93-3	
tert-Butyl Alcohol	<b>0.0046U</b>	mg/L	0.0050	0.0046	1		09/12/12 20:42	75-65-0	
Carbon disulfide	<b>0.00018U</b>	mg/L	0.0010	0.00018	1		09/12/12 20:42	75-15-0	
Carbon tetrachloride	<b>0.00024U</b>	mg/L	0.0010	0.00024	1		09/12/12 20:42	56-23-5	
Chlorobenzene	<b>0.033</b>	mg/L	0.0010	0.00012	1		09/12/12 20:42	108-90-7	
Chloroethane	<b>0.00048U</b>	mg/L	0.0010	0.00048	1		09/12/12 20:42	75-00-3	
Chloroform	<b>0.00016U</b>	mg/L	0.0010	0.00016	1		09/12/12 20:42	67-66-3	
Chloromethane	<b>0.00021U</b>	mg/L	0.0010	0.00021	1		09/12/12 20:42	74-87-3	
Dibromochloromethane	<b>0.00022U</b>	mg/L	0.0010	0.00022	1		09/12/12 20:42	124-48-1	
1,2-Dichlorobenzene	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 20:42	95-50-1	
1,3-Dichlorobenzene	<b>0.00026U</b>	mg/L	0.0010	0.00026	1		09/12/12 20:42	541-73-1	
1,4-Dichlorobenzene	<b>0.00017U</b>	mg/L	0.0010	0.00017	1		09/12/12 20:42	106-46-7	
1,1-Dichloroethane	<b>0.00016U</b>	mg/L	0.0010	0.00016	1		09/12/12 20:42	75-34-3	
1,2-Dichloroethane	<b>0.00014U</b>	mg/L	0.0010	0.00014	1		09/12/12 20:42	107-06-2	
1,2-Dichloroethene (Total)	<b>0.00038U</b>	mg/L	0.0020	0.00038	1		09/12/12 20:42	540-59-0	
1,1-Dichloroethene	<b>0.00014U</b>	mg/L	0.0010	0.00014	1		09/12/12 20:42	75-35-4	
cis-1,2-Dichloroethene	<b>0.00020U</b>	mg/L	0.0010	0.00020	1		09/12/12 20:42	156-59-2	
trans-1,2-Dichloroethene	<b>0.00018U</b>	mg/L	0.0010	0.00018	1		09/12/12 20:42	156-60-5	
1,2-Dichloropropane	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 20:42	78-87-5	
cis-1,3-Dichloropropene	<b>0.00019U</b>	mg/L	0.0010	0.00019	1		09/12/12 20:42	10061-01-5	
trans-1,3-Dichloropropene	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 20:42	10061-02-6	
Ethanol	<b>0.037U</b>	mg/L	0.20	0.037	1		09/12/12 20:42	64-17-5	
Ethylbenzene	<b>0.020</b>	mg/L	0.0010	0.00012	1		09/12/12 20:42	100-41-4	
Ethyl-tert-butyl ether	<b>0.00015U</b>	mg/L	0.0010	0.00015	1		09/12/12 20:42	637-92-3	
2-Hexanone	<b>0.00034U</b>	mg/L	0.010	0.00034	1		09/12/12 20:42	591-78-6	
Isopropylbenzene (Cumene)	<b>0.026</b>	mg/L	0.0010	0.00012	1		09/12/12 20:42	98-82-8	
Methylene Chloride	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 20:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.00029U</b>	mg/L	0.010	0.00029	1		09/12/12 20:42	108-10-1	
Methyl-tert-butyl ether	<b>0.00019U</b>	mg/L	0.0010	0.00019	1		09/12/12 20:42	1634-04-4	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-8 GW**      **Lab ID: 3077070001**      Collected: 09/07/12 09:21      Received: 09/10/12 10:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Naphthalene	<b>0.0039</b>	mg/L	0.0020	0.00033	1		09/12/12 20:42	91-20-3	
Styrene	<b>0.00018U</b>	mg/L	0.0010	0.00018	1		09/12/12 20:42	100-42-5	
1,1,2,2-Tetrachloroethane	<b>0.00022U</b>	mg/L	0.0010	0.00022	1		09/12/12 20:42	79-34-5	
Tetrachloroethene	<b>0.00012U</b>	mg/L	0.0010	0.00012	1		09/12/12 20:42	127-18-4	
Toluene	<b>0.0082</b>	mg/L	0.0010	0.00011	1		09/12/12 20:42	108-88-3	
1,2,4-Trichlorobenzene	<b>0.00033U</b>	mg/L	0.0010	0.00033	1		09/12/12 20:42	120-82-1	
1,1,1-Trichloroethane	<b>0.00019U</b>	mg/L	0.0010	0.00019	1		09/12/12 20:42	71-55-6	
1,1,2-Trichloroethane	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 20:42	79-00-5	
Trichloroethene	<b>0.00015U</b>	mg/L	0.0010	0.00015	1		09/12/12 20:42	79-01-6	
1,2,4-Trimethylbenzene	<b>0.0026</b>	mg/L	0.0010	0.00013	1		09/12/12 20:42	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0086</b>	mg/L	0.0010	0.00012	1		09/12/12 20:42	108-67-8	
Vinyl chloride	<b>0.00013U</b>	mg/L	0.0010	0.00013	1		09/12/12 20:42	75-01-4	
Xylene (Total)	<b>0.016</b>	mg/L	0.0030	0.00031	1		09/12/12 20:42	1330-20-7	
m&p-Xylene	<b>0.013</b>	mg/L	0.0020	0.00021	1		09/12/12 20:42	179601-23-1	
o-Xylene	<b>0.0031</b>	mg/L	0.0010	0.00010	1		09/12/12 20:42	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		09/12/12 20:42	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		09/12/12 20:42	17060-07-0	
Toluene-d8 (S)	93	%	70-130		1		09/12/12 20:42	2037-26-5	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-3 4.5**      **Lab ID: 3077070002**      Collected: 09/07/12 10:06      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>48.3</b>	mg/kg	8.8	5.2	1	09/13/12 09:30	09/17/12 17:20		
<b>Surrogates</b>									
o-Terphenyl (S)	61 %		50-150		1	09/13/12 09:30	09/17/12 17:20	84-15-1	
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082    Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	<b>3.3U</b>	ug/kg	22.2	3.3	1	09/13/12 15:45	09/17/12 19:30	12674-11-2	
PCB-1221 (Aroclor 1221)	<b>10.2U</b>	ug/kg	22.2	10.2	1	09/13/12 15:45	09/17/12 19:30	11104-28-2	
PCB-1232 (Aroclor 1232)	<b>6.7U</b>	ug/kg	22.2	6.7	1	09/13/12 15:45	09/17/12 19:30	11141-16-5	
PCB-1242 (Aroclor 1242)	<b>4.4U</b>	ug/kg	22.2	4.4	1	09/13/12 15:45	09/17/12 19:30	53469-21-9	
PCB-1248 (Aroclor 1248)	<b>4.7U</b>	ug/kg	22.2	4.7	1	09/13/12 15:45	09/17/12 19:30	12672-29-6	
PCB-1254 (Aroclor 1254)	<b>10.3U</b>	ug/kg	22.2	10.3	1	09/13/12 15:45	09/17/12 19:30	11097-69-1	
PCB-1260 (Aroclor 1260)	<b>3.4U</b>	ug/kg	22.2	3.4	1	09/13/12 15:45	09/17/12 19:30	11096-82-5	
PCB, Total	<b>22.2U</b>	ug/kg	22.2	22.2	1	09/13/12 15:45	09/17/12 19:30	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	80 %		30-150		1	09/13/12 15:45	09/17/12 19:30	877-09-8	
Decachlorobiphenyl (S)	60 %		30-150		1	09/13/12 15:45	09/17/12 19:30	2051-24-3	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>151</b>	mg/kg	135	30.2	10	09/18/12 13:37	09/19/12 10:46		
TPH (C06-C10)	<b>167</b>	mg/kg	135	31.1	10	09/18/12 13:37	09/19/12 10:46		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89 %		70-130		10	09/18/12 13:37	09/19/12 10:46	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B    Preparation Method: EPA 3050									
Antimony	<b>0.46U</b>	mg/kg	0.61	0.46	1	09/12/12 11:39	09/13/12 08:43	7440-36-0	
Arsenic	<b>12.8</b>	mg/kg	0.51	0.47	1	09/12/12 11:39	09/13/12 08:43	7440-38-2	
Beryllium	<b>1.1</b>	mg/kg	0.20	0.17	1	09/12/12 11:39	09/13/12 08:43	7440-41-7	
Cadmium	<b>0.23U</b>	mg/kg	0.30	0.23	1	09/12/12 11:39	09/13/12 08:43	7440-43-9	
Chromium	<b>33.8</b>	mg/kg	0.51	0.21	1	09/12/12 11:39	09/13/12 08:43	7440-47-3	
Copper	<b>6.0</b>	mg/kg	1.0	0.26	1	09/12/12 11:39	09/13/12 08:43	7440-50-8	
Lead	<b>25.5</b>	mg/kg	0.51	0.43	1	09/12/12 11:39	09/13/12 08:43	7439-92-1	
Nickel	<b>14.4</b>	mg/kg	2.0	0.44	1	09/12/12 11:39	09/13/12 08:43	7440-02-0	
Selenium	<b>1.2</b>	mg/kg	0.81	0.47	1	09/12/12 11:39	09/13/12 08:43	7782-49-2	
Silver	<b>0.20J</b>	mg/kg	0.61	0.19	1	09/12/12 11:39	09/13/12 08:43	7440-22-4	
Thallium	<b>0.72U</b>	mg/kg	2.0	0.72	1	09/12/12 11:39	09/13/12 08:43	7440-28-0	
Zinc	<b>28.9</b>	mg/kg	1.0	0.19	1	09/12/12 11:39	09/13/12 08:43	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Mercury	<b>0.056J</b>	mg/kg	0.13	0.0017	1	09/13/12 13:23	09/14/12 09:09	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270    Preparation Method: EPA 3546									
Acenaphthene	<b>50.9U</b>	ug/kg	437	50.9	1	09/14/12 15:45	09/20/12 17:05	83-32-9	
Acenaphthylene	<b>50.2U</b>	ug/kg	437	50.2	1	09/14/12 15:45	09/20/12 17:05	208-96-8	
Anthracene	<b>68.3U</b>	ug/kg	437	68.3	1	09/14/12 15:45	09/20/12 17:05	120-12-7	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-3 4.5**      **Lab ID: 3077070002**      Collected: 09/07/12 10:06      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
<b>MICROWAVE</b>									
Benzo(a)anthracene	<b>50.5U</b>	ug/kg	437	50.5	1	09/14/12 15:45	09/20/12 17:05	56-55-3	
Benzo(a)pyrene	<b>147U</b>	ug/kg	437	147	1	09/14/12 15:45	09/20/12 17:05	50-32-8	
Benzo(b)fluoranthene	<b>86.2U</b>	ug/kg	437	86.2	1	09/14/12 15:45	09/20/12 17:05	205-99-2	
Benzo(g,h,i)perylene	<b>125U</b>	ug/kg	437	125	1	09/14/12 15:45	09/20/12 17:05	191-24-2	
Benzo(k)fluoranthene	<b>156U</b>	ug/kg	437	156	1	09/14/12 15:45	09/20/12 17:05	207-08-9	
Benzyl alcohol	<b>64.5U</b>	ug/kg	437	64.5	1	09/14/12 15:45	09/20/12 17:05	100-51-6	
4-Bromophenylphenyl ether	<b>64.5U</b>	ug/kg	437	64.5	1	09/14/12 15:45	09/20/12 17:05	101-55-3	
Butylbenzylphthalate	<b>50.1U</b>	ug/kg	437	50.1	1	09/14/12 15:45	09/20/12 17:05	85-68-7	
4-Chloro-3-methylphenol	<b>69.3U</b>	ug/kg	437	69.3	1	09/14/12 15:45	09/20/12 17:05	59-50-7	
4-Chloroaniline	<b>96.8U</b>	ug/kg	437	96.8	1	09/14/12 15:45	09/20/12 17:05	106-47-8	
bis(2-Chloroethoxy)methane	<b>71.5U</b>	ug/kg	437	71.5	1	09/14/12 15:45	09/20/12 17:05	111-91-1	
bis(2-Chloroethyl) ether	<b>206U</b>	ug/kg	437	206	1	09/14/12 15:45	09/20/12 17:05	111-44-4	
bis(2-Chloroisopropyl) ether	<b>58.0U</b>	ug/kg	437	58.0	1	09/14/12 15:45	09/20/12 17:05	108-60-1	
2-Chloronaphthalene	<b>45.9U</b>	ug/kg	437	45.9	1	09/14/12 15:45	09/20/12 17:05	91-58-7	
2-Chlorophenol	<b>55.8U</b>	ug/kg	437	55.8	1	09/14/12 15:45	09/20/12 17:05	95-57-8	
4-Chlorophenylphenyl ether	<b>59.6U</b>	ug/kg	437	59.6	1	09/14/12 15:45	09/20/12 17:05	7005-72-3	
Chrysene	<b>94.1U</b>	ug/kg	437	94.1	1	09/14/12 15:45	09/20/12 17:05	218-01-9	
Dibenz(a,h)anthracene	<b>147U</b>	ug/kg	437	147	1	09/14/12 15:45	09/20/12 17:05	53-70-3	
Dibenzofuran	<b>58.4U</b>	ug/kg	437	58.4	1	09/14/12 15:45	09/20/12 17:05	132-64-9	
1,2-Dichlorobenzene	<b>64.9U</b>	ug/kg	437	64.9	1	09/14/12 15:45	09/20/12 17:05	95-50-1	
1,3-Dichlorobenzene	<b>72.5U</b>	ug/kg	437	72.5	1	09/14/12 15:45	09/20/12 17:05	541-73-1	
1,4-Dichlorobenzene	<b>61.5U</b>	ug/kg	437	61.5	1	09/14/12 15:45	09/20/12 17:05	106-46-7	
3,3'-Dichlorobenzidine	<b>47.6U</b>	ug/kg	437	47.6	1	09/14/12 15:45	09/20/12 17:05	91-94-1	
2,4-Dichlorophenol	<b>75.0U</b>	ug/kg	437	75.0	1	09/14/12 15:45	09/20/12 17:05	120-83-2	
Diethylphthalate	<b>48.1U</b>	ug/kg	437	48.1	1	09/14/12 15:45	09/20/12 17:05	84-66-2	
2,4-Dimethylphenol	<b>77.1U</b>	ug/kg	437	77.1	1	09/14/12 15:45	09/20/12 17:05	105-67-9	
Dimethylphthalate	<b>62.1U</b>	ug/kg	437	62.1	1	09/14/12 15:45	09/20/12 17:05	131-11-3	
Di-n-butylphthalate	<b>72.4U</b>	ug/kg	437	72.4	1	09/14/12 15:45	09/20/12 17:05	84-74-2	
4,6-Dinitro-2-methylphenol	<b>63.1U</b>	ug/kg	1090	63.1	1	09/14/12 15:45	09/20/12 17:05	534-52-1	
2,4-Dinitrophenol	<b>51.2U</b>	ug/kg	1090	51.2	1	09/14/12 15:45	09/20/12 17:05	51-28-5	
2,4-Dinitrotoluene	<b>91.4U</b>	ug/kg	437	91.4	1	09/14/12 15:45	09/20/12 17:05	121-14-2	
2,6-Dinitrotoluene	<b>57.3U</b>	ug/kg	437	57.3	1	09/14/12 15:45	09/20/12 17:05	606-20-2	
Di-n-octylphthalate	<b>80.6U</b>	ug/kg	437	80.6	1	09/14/12 15:45	09/20/12 17:05	117-84-0	
bis(2-Ethylhexyl)phthalate	<b>150U</b>	ug/kg	437	150	1	09/14/12 15:45	09/20/12 17:05	117-81-7	
Fluoranthene	<b>66.8U</b>	ug/kg	437	66.8	1	09/14/12 15:45	09/20/12 17:05	206-44-0	
Fluorene	<b>61.5U</b>	ug/kg	437	61.5	1	09/14/12 15:45	09/20/12 17:05	86-73-7	
Hexachloro-1,3-butadiene	<b>77.4U</b>	ug/kg	437	77.4	1	09/14/12 15:45	09/20/12 17:05	87-68-3	
Hexachlorobenzene	<b>56.4U</b>	ug/kg	437	56.4	1	09/14/12 15:45	09/20/12 17:05	118-74-1	
Hexachlorocyclopentadiene	<b>46.0U</b>	ug/kg	437	46.0	1	09/14/12 15:45	09/20/12 17:05	77-47-4	
Hexachloroethane	<b>67.2U</b>	ug/kg	437	67.2	1	09/14/12 15:45	09/20/12 17:05	67-72-1	
Indeno(1,2,3-cd)pyrene	<b>107U</b>	ug/kg	437	107	1	09/14/12 15:45	09/20/12 17:05	193-39-5	
Isophorone	<b>47.8U</b>	ug/kg	437	47.8	1	09/14/12 15:45	09/20/12 17:05	78-59-1	
2-Methylnaphthalene	<b>52.7U</b>	ug/kg	437	52.7	1	09/14/12 15:45	09/20/12 17:05	91-57-6	
2-Methylphenol(o-Cresol)	<b>77.3U</b>	ug/kg	437	77.3	1	09/14/12 15:45	09/20/12 17:05	95-48-7	



## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-3 4.5**      **Lab ID: 3077070002**      Collected: 09/07/12 10:06      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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**8270 MSSV FULL LIST  
MICROWAVE**

Analytical Method: EPA 8270      Preparation Method: EPA 3546

3&4-Methylphenol(m&p Cresol)	<b>88.0U</b>	ug/kg	874	88.0	1	09/14/12 15:45	09/20/12 17:05		
Naphthalene	<b>58.2U</b>	ug/kg	437	58.2	1	09/14/12 15:45	09/20/12 17:05	91-20-3	
2-Nitroaniline	<b>51.3U</b>	ug/kg	1090	51.3	1	09/14/12 15:45	09/20/12 17:05	88-74-4	
3-Nitroaniline	<b>81.9U</b>	ug/kg	1090	81.9	1	09/14/12 15:45	09/20/12 17:05	99-09-2	
4-Nitroaniline	<b>118U</b>	ug/kg	1090	118	1	09/14/12 15:45	09/20/12 17:05	100-01-6	
Nitrobenzene	<b>68.6U</b>	ug/kg	437	68.6	1	09/14/12 15:45	09/20/12 17:05	98-95-3	
2-Nitrophenol	<b>49.1U</b>	ug/kg	437	49.1	1	09/14/12 15:45	09/20/12 17:05	88-75-5	
4-Nitrophenol	<b>74.5U</b>	ug/kg	437	74.5	1	09/14/12 15:45	09/20/12 17:05	100-02-7	
N-Nitroso-di-n-propylamine	<b>51.7U</b>	ug/kg	437	51.7	1	09/14/12 15:45	09/20/12 17:05	621-64-7	
N-Nitrosodiphenylamine	<b>44.2U</b>	ug/kg	437	44.2	1	09/14/12 15:45	09/20/12 17:05	86-30-6	
Pentachlorophenol	<b>109U</b>	ug/kg	1090	109	1	09/14/12 15:45	09/20/12 17:05	87-86-5	
Phenanthrene	<b>80.7U</b>	ug/kg	437	80.7	1	09/14/12 15:45	09/20/12 17:05	85-01-8	
Phenol	<b>106U</b>	ug/kg	437	106	1	09/14/12 15:45	09/20/12 17:05	108-95-2	
Pyrene	<b>66.5U</b>	ug/kg	437	66.5	1	09/14/12 15:45	09/20/12 17:05	129-00-0	
1,2,4-Trichlorobenzene	<b>66.9U</b>	ug/kg	437	66.9	1	09/14/12 15:45	09/20/12 17:05	120-82-1	
2,4,5-Trichlorophenol	<b>130U</b>	ug/kg	1090	130	1	09/14/12 15:45	09/20/12 17:05	95-95-4	
2,4,6-Trichlorophenol	<b>79.9U</b>	ug/kg	437	79.9	1	09/14/12 15:45	09/20/12 17:05	88-06-2	

**Surrogates**

Nitrobenzene-d5 (S)	88 %		49-118		1	09/14/12 15:45	09/20/12 17:05	4165-60-0	
2-Fluorobiphenyl (S)	92 %		48-125		1	09/14/12 15:45	09/20/12 17:05	321-60-8	
Terphenyl-d14 (S)	115 %		29-159		1	09/14/12 15:45	09/20/12 17:05	1718-51-0	
Phenol-d6 (S)	87 %		30-130		1	09/14/12 15:45	09/20/12 17:05	13127-88-3	
2-Fluorophenol (S)	89 %		25-138		1	09/14/12 15:45	09/20/12 17:05	367-12-4	
2,4,6-Tribromophenol (S)	87 %		10-144		1	09/14/12 15:45	09/20/12 17:05	118-79-6	

**8260 MSV 5030 Low Level**

Analytical Method: EPA 8260

Acetone	<b>453</b>	ug/kg	13.0	2.5	1		09/14/12 14:08	67-64-1	
Benzene	<b>6.4J</b>	ug/kg	6.5	1.0	1		09/14/12 14:08	71-43-2	
Bromodichloromethane	<b>2.3U</b>	ug/kg	6.5	2.3	1		09/14/12 14:08	75-27-4	
Bromoform	<b>3.3U</b>	ug/kg	6.5	3.3	1		09/14/12 14:08	75-25-2	
Bromomethane	<b>3.8U</b>	ug/kg	6.5	3.8	1		09/14/12 14:08	74-83-9	
TOTAL BTEX	<b>46.0</b>	ug/kg	38.9	9.1	1		09/14/12 14:08		
2-Butanone (MEK)	<b>139</b>	ug/kg	13.0	1.6	1		09/14/12 14:08	78-93-3	
Carbon disulfide	<b>0.99U</b>	ug/kg	6.5	0.99	1		09/14/12 14:08	75-15-0	
Carbon tetrachloride	<b>1.2U</b>	ug/kg	6.5	1.2	1		09/14/12 14:08	56-23-5	
Chlorobenzene	<b>1.3U</b>	ug/kg	6.5	1.3	1		09/14/12 14:08	108-90-7	
Chloroethane	<b>2.1U</b>	ug/kg	6.5	2.1	1		09/14/12 14:08	75-00-3	
Chloroform	<b>0.92U</b>	ug/kg	6.5	0.92	1		09/14/12 14:08	67-66-3	
Chloromethane	<b>1.4U</b>	ug/kg	6.5	1.4	1		09/14/12 14:08	74-87-3	
Dibromochloromethane	<b>2.0U</b>	ug/kg	6.5	2.0	1		09/14/12 14:08	124-48-1	
1,2-Dichlorobenzene	<b>1.4U</b>	ug/kg	6.5	1.4	1		09/14/12 14:08	95-50-1	
1,3-Dichlorobenzene	<b>1.6U</b>	ug/kg	6.5	1.6	1		09/14/12 14:08	541-73-1	
1,4-Dichlorobenzene	<b>1.6U</b>	ug/kg	6.5	1.6	1		09/14/12 14:08	106-46-7	
1,1-Dichloroethane	<b>1.0U</b>	ug/kg	6.5	1.0	1		09/14/12 14:08	75-34-3	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II  
Pace Project No.: 3077070

**Sample: B-3 4.5**      **Lab ID: 3077070002**      Collected: 09/07/12 10:06      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
1,2-Dichloroethane	<b>1.2U</b>	ug/kg	6.5	1.2	1		09/14/12 14:08	107-06-2	
1,2-Dichloroethene (Total)	<b>4.3U</b>	ug/kg	13.0	4.3	1		09/14/12 14:08	540-59-0	
1,1-Dichloroethene	<b>1.1U</b>	ug/kg	6.5	1.1	1		09/14/12 14:08	75-35-4	
cis-1,2-Dichloroethene	<b>3.2U</b>	ug/kg	6.5	3.2	1		09/14/12 14:08	156-59-2	
trans-1,2-Dichloroethene	<b>1.1U</b>	ug/kg	6.5	1.1	1		09/14/12 14:08	156-60-5	
1,2-Dichloropropane	<b>2.1U</b>	ug/kg	6.5	2.1	1		09/14/12 14:08	78-87-5	
cis-1,3-Dichloropropene	<b>2.0U</b>	ug/kg	6.5	2.0	1		09/14/12 14:08	10061-01-5	
trans-1,3-Dichloropropene	<b>2.1U</b>	ug/kg	6.5	2.1	1		09/14/12 14:08	10061-02-6	
Ethylbenzene	<b>8.8</b>	ug/kg	6.5	3.3	1		09/14/12 14:08	100-41-4	
2-Hexanone	<b>1.5U</b>	ug/kg	13.0	1.5	1		09/14/12 14:08	591-78-6	
Methylene Chloride	<b>3.9J</b>	ug/kg	6.5	1.7	1		09/14/12 14:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>1.3U</b>	ug/kg	13.0	1.3	1		09/14/12 14:08	108-10-1	
Methyl-tert-butyl ether	<b>0.92U</b>	ug/kg	6.5	0.92	1		09/14/12 14:08	1634-04-4	
Styrene	<b>1.4U</b>	ug/kg	6.5	1.4	1		09/14/12 14:08	100-42-5	
1,1,2,2-Tetrachloroethane	<b>1.1U</b>	ug/kg	6.5	1.1	1		09/14/12 14:08	79-34-5	
Tetrachloroethene	<b>0.94U</b>	ug/kg	6.5	0.94	1		09/14/12 14:08	127-18-4	
Toluene	<b>4.7J</b>	ug/kg	6.5	0.83	1		09/14/12 14:08	108-88-3	
1,1,1-Trichloroethane	<b>3.4U</b>	ug/kg	6.5	3.4	1		09/14/12 14:08	71-55-6	
1,1,2-Trichloroethane	<b>1.2U</b>	ug/kg	6.5	1.2	1		09/14/12 14:08	79-00-5	
Trichloroethene	<b>0.98U</b>	ug/kg	6.5	0.98	1		09/14/12 14:08	79-01-6	
Vinyl chloride	<b>1.0U</b>	ug/kg	6.5	1.0	1		09/14/12 14:08	75-01-4	
Xylene (Total)	<b>41.6</b>	ug/kg	19.4	4.0	1		09/14/12 14:08	1330-20-7	
m&p-Xylene	<b>37.2</b>	ug/kg	13.0	2.5	1		09/14/12 14:08	179601-23-1	
o-Xylene	<b>4.4J</b>	ug/kg	6.5	1.5	1		09/14/12 14:08	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	121	%	70-130		1		09/14/12 14:08	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130		1		09/14/12 14:08	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1		09/14/12 14:08	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>25.2</b>	%	0.10	0.10	1		09/18/12 19:58		

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-6 10**      **Lab ID: 3077070003**      Collected: 09/07/12 10:05      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>6.6J</b>	mg/kg	8.7	5.1	1	09/13/12 09:30	09/17/12 17:29		
<b>Surrogates</b>									
o-Terphenyl (S)	51 %		50-150		1	09/13/12 09:30	09/17/12 17:29	84-15-1	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>3.0U</b>	mg/kg	13.4	3.0	1	09/18/12 13:37	09/18/12 17:12		
TPH (C06-C10)	<b>3.5J</b>	mg/kg	13.4	3.1	1	09/18/12 13:37	09/18/12 17:12		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97 %		70-130		1	09/18/12 13:37	09/18/12 17:12	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B    Preparation Method: EPA 3050									
Antimony	<b>0.41U</b>	mg/kg	0.54	0.41	1	09/12/12 11:39	09/13/12 08:54	7440-36-0	
Arsenic	<b>21.0</b>	mg/kg	0.45	0.42	1	09/12/12 11:39	09/13/12 08:54	7440-38-2	
Beryllium	<b>1.6</b>	mg/kg	0.18	0.15	1	09/12/12 11:39	09/13/12 08:54	7440-41-7	
Cadmium	<b>0.21U</b>	mg/kg	0.27	0.21	1	09/12/12 11:39	09/13/12 08:54	7440-43-9	
Chromium	<b>34.5</b>	mg/kg	0.45	0.19	1	09/12/12 11:39	09/13/12 08:54	7440-47-3	
Copper	<b>11.4</b>	mg/kg	0.90	0.23	1	09/12/12 11:39	09/13/12 08:54	7440-50-8	
Lead	<b>28.8</b>	mg/kg	0.45	0.38	1	09/12/12 11:39	09/13/12 08:54	7439-92-1	
Nickel	<b>26.0</b>	mg/kg	1.8	0.39	1	09/12/12 11:39	09/13/12 08:54	7440-02-0	
Selenium	<b>1.5</b>	mg/kg	0.72	0.42	1	09/12/12 11:39	09/13/12 08:54	7782-49-2	
Silver	<b>0.30J</b>	mg/kg	0.54	0.17	1	09/12/12 11:39	09/13/12 08:54	7440-22-4	
Thallium	<b>0.64U</b>	mg/kg	1.8	0.64	1	09/12/12 11:39	09/13/12 08:54	7440-28-0	
Zinc	<b>53.7</b>	mg/kg	0.90	0.17	1	09/12/12 11:39	09/13/12 08:54	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Mercury	<b>0.055J</b>	mg/kg	0.13	0.0017	1	09/13/12 13:23	09/14/12 09:11	7439-97-6	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>26.4</b>	ug/kg	12.2	2.4	1		09/12/12 16:49	67-64-1	
Benzene	<b>0.95U</b>	ug/kg	6.1	0.95	1		09/12/12 16:49	71-43-2	
Bromodichloromethane	<b>2.2U</b>	ug/kg	6.1	2.2	1		09/12/12 16:49	75-27-4	
Bromoform	<b>3.1U</b>	ug/kg	6.1	3.1	1		09/12/12 16:49	75-25-2	
Bromomethane	<b>3.6U</b>	ug/kg	6.1	3.6	1		09/12/12 16:49	74-83-9	
TOTAL BTEX	<b>8.6U</b>	ug/kg	36.5	8.6	1		09/12/12 16:49		
2-Butanone (MEK)	<b>1.5U</b>	ug/kg	12.2	1.5	1		09/12/12 16:49	78-93-3	
Carbon disulfide	<b>0.93U</b>	ug/kg	6.1	0.93	1		09/12/12 16:49	75-15-0	
Carbon tetrachloride	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/12/12 16:49	56-23-5	
Chlorobenzene	<b>1.2U</b>	ug/kg	6.1	1.2	1		09/12/12 16:49	108-90-7	
Chloroethane	<b>2.0U</b>	ug/kg	6.1	2.0	1		09/12/12 16:49	75-00-3	
Chloroform	<b>0.86U</b>	ug/kg	6.1	0.86	1		09/12/12 16:49	67-66-3	
Chloromethane	<b>1.3U</b>	ug/kg	6.1	1.3	1		09/12/12 16:49	74-87-3	
Dibromochloromethane	<b>1.9U</b>	ug/kg	6.1	1.9	1		09/12/12 16:49	124-48-1	
1,2-Dichlorobenzene	<b>1.3U</b>	ug/kg	6.1	1.3	1		09/12/12 16:49	95-50-1	
1,3-Dichlorobenzene	<b>1.5U</b>	ug/kg	6.1	1.5	1		09/12/12 16:49	541-73-1	
1,4-Dichlorobenzene	<b>1.5U</b>	ug/kg	6.1	1.5	1		09/12/12 16:49	106-46-7	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-6 10**      **Lab ID: 3077070003**      Collected: 09/07/12 10:05      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
1,1-Dichloroethane	<b>0.96U</b>	ug/kg	6.1	0.96	1		09/12/12 16:49	75-34-3	
1,2-Dichloroethane	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/12/12 16:49	107-06-2	
1,2-Dichloroethene (Total)	<b>4.0U</b>	ug/kg	12.2	4.0	1		09/12/12 16:49	540-59-0	
1,1-Dichloroethene	<b>0.99U</b>	ug/kg	6.1	0.99	1		09/12/12 16:49	75-35-4	
cis-1,2-Dichloroethene	<b>3.0U</b>	ug/kg	6.1	3.0	1		09/12/12 16:49	156-59-2	
trans-1,2-Dichloroethene	<b>1.0U</b>	ug/kg	6.1	1.0	1		09/12/12 16:49	156-60-5	
1,2-Dichloropropane	<b>2.0U</b>	ug/kg	6.1	2.0	1		09/12/12 16:49	78-87-5	
cis-1,3-Dichloropropene	<b>1.9U</b>	ug/kg	6.1	1.9	1		09/12/12 16:49	10061-01-5	
trans-1,3-Dichloropropene	<b>2.0U</b>	ug/kg	6.1	2.0	1		09/12/12 16:49	10061-02-6	
Ethylbenzene	<b>3.1U</b>	ug/kg	6.1	3.1	1		09/12/12 16:49	100-41-4	
2-Hexanone	<b>1.4U</b>	ug/kg	12.2	1.4	1		09/12/12 16:49	591-78-6	
Methylene Chloride	<b>1.6U</b>	ug/kg	6.1	1.6	1		09/12/12 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>1.3U</b>	ug/kg	12.2	1.3	1		09/12/12 16:49	108-10-1	
Methyl-tert-butyl ether	<b>0.86U</b>	ug/kg	6.1	0.86	1		09/12/12 16:49	1634-04-4	
Styrene	<b>1.3U</b>	ug/kg	6.1	1.3	1		09/12/12 16:49	100-42-5	
1,1,2,2-Tetrachloroethane	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/12/12 16:49	79-34-5	
Tetrachloroethene	<b>0.88U</b>	ug/kg	6.1	0.88	1		09/12/12 16:49	127-18-4	
Toluene	<b>0.78U</b>	ug/kg	6.1	0.78	1		09/12/12 16:49	108-88-3	
1,1,1-Trichloroethane	<b>3.2U</b>	ug/kg	6.1	3.2	1		09/12/12 16:49	71-55-6	
1,1,2-Trichloroethane	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/12/12 16:49	79-00-5	
Trichloroethene	<b>0.92U</b>	ug/kg	6.1	0.92	1		09/12/12 16:49	79-01-6	
Vinyl chloride	<b>0.98U</b>	ug/kg	6.1	0.98	1		09/12/12 16:49	75-01-4	
Xylene (Total)	<b>3.7U</b>	ug/kg	18.2	3.7	1		09/12/12 16:49	1330-20-7	
m&p-Xylene	<b>2.3U</b>	ug/kg	12.2	2.3	1		09/12/12 16:49	179601-23-1	
o-Xylene	<b>1.4U</b>	ug/kg	6.1	1.4	1		09/12/12 16:49	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	100	%	70-130		1		09/12/12 16:49	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		09/12/12 16:49	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		09/12/12 16:49	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>24.9</b>	%	0.10	0.10	1		09/18/12 19:58		

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-7 3.5**      **Lab ID: 3077070004**      Collected: 09/07/12 10:10      Received: 09/10/12 10:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>652</b>	mg/kg	165	97.4	20	09/13/12 09:30	09/17/12 17:38		4c
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		20	09/13/12 09:30	09/17/12 17:38	84-15-1	S4
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>51.1J</b>	mg/kg	183	40.7	1	09/18/12 13:37	09/18/12 17:29		
TPH (C06-C10)	<b>56.8J</b>	mg/kg	183	41.9	1	09/18/12 13:37	09/18/12 17:29		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101 %		70-130		1	09/18/12 13:37	09/18/12 17:29	460-00-4	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>2.0U</b>	ug/kg	10.2	2.0	1		09/12/12 17:15	67-64-1	
Benzene	<b>0.79U</b>	ug/kg	5.1	0.79	1		09/12/12 17:15	71-43-2	
Bromodichloromethane	<b>1.8U</b>	ug/kg	5.1	1.8	1		09/12/12 17:15	75-27-4	
Bromoform	<b>2.6U</b>	ug/kg	5.1	2.6	1		09/12/12 17:15	75-25-2	
Bromomethane	<b>3.0U</b>	ug/kg	5.1	3.0	1		09/12/12 17:15	74-83-9	
TOTAL BTEX	<b>7.2U</b>	ug/kg	30.5	7.2	1		09/12/12 17:15		
2-Butanone (MEK)	<b>1.3U</b>	ug/kg	10.2	1.3	1		09/12/12 17:15	78-93-3	
Carbon disulfide	<b>0.78U</b>	ug/kg	5.1	0.78	1		09/12/12 17:15	75-15-0	
Carbon tetrachloride	<b>0.91U</b>	ug/kg	5.1	0.91	1		09/12/12 17:15	56-23-5	
Chlorobenzene	<b>1.0U</b>	ug/kg	5.1	1.0	1		09/12/12 17:15	108-90-7	
Chloroethane	<b>1.7U</b>	ug/kg	5.1	1.7	1		09/12/12 17:15	75-00-3	
Chloroform	<b>0.72U</b>	ug/kg	5.1	0.72	1		09/12/12 17:15	67-66-3	
Chloromethane	<b>1.1U</b>	ug/kg	5.1	1.1	1		09/12/12 17:15	74-87-3	
Dibromochloromethane	<b>1.6U</b>	ug/kg	5.1	1.6	1		09/12/12 17:15	124-48-1	
1,2-Dichlorobenzene	<b>1.1U</b>	ug/kg	5.1	1.1	1		09/12/12 17:15	95-50-1	
1,3-Dichlorobenzene	<b>1.3U</b>	ug/kg	5.1	1.3	1		09/12/12 17:15	541-73-1	
1,4-Dichlorobenzene	<b>1.2U</b>	ug/kg	5.1	1.2	1		09/12/12 17:15	106-46-7	
1,1-Dichloroethane	<b>0.81U</b>	ug/kg	5.1	0.81	1		09/12/12 17:15	75-34-3	
1,2-Dichloroethane	<b>0.93U</b>	ug/kg	5.1	0.93	1		09/12/12 17:15	107-06-2	
1,2-Dichloroethene (Total)	<b>3.3U</b>	ug/kg	10.2	3.3	1		09/12/12 17:15	540-59-0	
1,1-Dichloroethene	<b>0.83U</b>	ug/kg	5.1	0.83	1		09/12/12 17:15	75-35-4	
cis-1,2-Dichloroethene	<b>2.5U</b>	ug/kg	5.1	2.5	1		09/12/12 17:15	156-59-2	
trans-1,2-Dichloroethene	<b>0.83U</b>	ug/kg	5.1	0.83	1		09/12/12 17:15	156-60-5	
1,2-Dichloropropane	<b>1.6U</b>	ug/kg	5.1	1.6	1		09/12/12 17:15	78-87-5	
cis-1,3-Dichloropropene	<b>1.6U</b>	ug/kg	5.1	1.6	1		09/12/12 17:15	10061-01-5	
trans-1,3-Dichloropropene	<b>1.7U</b>	ug/kg	5.1	1.7	1		09/12/12 17:15	10061-02-6	
Ethylbenzene	<b>2.6U</b>	ug/kg	5.1	2.6	1		09/12/12 17:15	100-41-4	
2-Hexanone	<b>1.2U</b>	ug/kg	10.2	1.2	1		09/12/12 17:15	591-78-6	
Methylene Chloride	<b>1.4U</b>	ug/kg	5.1	1.4	1		09/12/12 17:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>1.0U</b>	ug/kg	10.2	1.0	1		09/12/12 17:15	108-10-1	
Methyl-tert-butyl ether	<b>0.72U</b>	ug/kg	5.1	0.72	1		09/12/12 17:15	1634-04-4	
Styrene	<b>1.1U</b>	ug/kg	5.1	1.1	1		09/12/12 17:15	100-42-5	
1,1,2,2-Tetrachloroethane	<b>0.90U</b>	ug/kg	5.1	0.90	1		09/12/12 17:15	79-34-5	
Tetrachloroethene	<b>0.74U</b>	ug/kg	5.1	0.74	1		09/12/12 17:15	127-18-4	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-7 3.5**      **Lab ID: 3077070004**      Collected: 09/07/12 10:10      Received: 09/10/12 10:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Toluene	<b>0.65U</b>	ug/kg	5.1	0.65	1		09/12/12 17:15	108-88-3	
1,1,1-Trichloroethane	<b>2.6U</b>	ug/kg	5.1	2.6	1		09/12/12 17:15	71-55-6	
1,1,2-Trichloroethane	<b>0.94U</b>	ug/kg	5.1	0.94	1		09/12/12 17:15	79-00-5	
Trichloroethene	<b>0.77U</b>	ug/kg	5.1	0.77	1		09/12/12 17:15	79-01-6	
Vinyl chloride	<b>0.82U</b>	ug/kg	5.1	0.82	1		09/12/12 17:15	75-01-4	
Xylene (Total)	<b>3.1U</b>	ug/kg	15.3	3.1	1		09/12/12 17:15	1330-20-7	
m&p-Xylene	<b>2.0U</b>	ug/kg	10.2	2.0	1		09/12/12 17:15	179601-23-1	
o-Xylene	<b>1.1U</b>	ug/kg	5.1	1.1	1		09/12/12 17:15	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	97 %		70-130		1		09/12/12 17:15	2037-26-5	
4-Bromofluorobenzene (S)	96 %		70-130		1		09/12/12 17:15	460-00-4	
1,2-Dichloroethane-d4 (S)	111 %		70-130		1		09/12/12 17:15	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>19.4</b>	%	0.10	0.10	1		09/18/12 19:59		

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-8 5**      **Lab ID: 3077070005**      Collected: 09/07/12 10:12      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>663</b>	mg/kg	83.7	49.3	10	09/13/12 09:30	09/18/12 13:14		
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		10	09/13/12 09:30	09/18/12 13:14	84-15-1	S4
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>444</b>	mg/kg	108	24.1	10	09/18/12 13:37	09/19/12 11:03		
TPH (C06-C10)	<b>500</b>	mg/kg	108	24.9	10	09/18/12 13:37	09/19/12 11:03		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	81 %		70-130		10	09/18/12 13:37	09/19/12 11:03	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B    Preparation Method: EPA 3050									
Antimony	<b>0.39U</b>	mg/kg	0.52	0.39	1	09/12/12 11:39	09/13/12 08:58	7440-36-0	
Arsenic	<b>8.0</b>	mg/kg	0.43	0.40	1	09/12/12 11:39	09/13/12 08:58	7440-38-2	
Beryllium	<b>1.2</b>	mg/kg	0.17	0.15	1	09/12/12 11:39	09/13/12 08:58	7440-41-7	
Cadmium	<b>0.20U</b>	mg/kg	0.26	0.20	1	09/12/12 11:39	09/13/12 08:58	7440-43-9	
Chromium	<b>24.3</b>	mg/kg	0.43	0.18	1	09/12/12 11:39	09/13/12 08:58	7440-47-3	
Copper	<b>10.1</b>	mg/kg	0.87	0.22	1	09/12/12 11:39	09/13/12 08:58	7440-50-8	
Lead	<b>19.3</b>	mg/kg	0.43	0.37	1	09/12/12 11:39	09/13/12 08:58	7439-92-1	
Nickel	<b>17.9</b>	mg/kg	1.7	0.37	1	09/12/12 11:39	09/13/12 08:58	7440-02-0	
Selenium	<b>0.84</b>	mg/kg	0.69	0.40	1	09/12/12 11:39	09/13/12 08:58	7782-49-2	
Silver	<b>0.17U</b>	mg/kg	0.52	0.17	1	09/12/12 11:39	09/13/12 08:58	7440-22-4	
Thallium	<b>0.61U</b>	mg/kg	1.7	0.61	1	09/12/12 11:39	09/13/12 08:58	7440-28-0	
Zinc	<b>27.2</b>	mg/kg	0.87	0.17	1	09/12/12 11:39	09/13/12 08:58	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Mercury	<b>0.071J</b>	mg/kg	0.12	0.0016	1	09/13/12 13:23	09/14/12 09:12	7439-97-6	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>452J</b>	ug/kg	541	106	50		09/14/12 14:53	67-64-1	
Benzene	<b>345</b>	ug/kg	271	42.2	50		09/14/12 14:53	71-43-2	
Bromodichloromethane	<b>97.9U</b>	ug/kg	271	97.9	50		09/14/12 14:53	75-27-4	
Bromoform	<b>137U</b>	ug/kg	271	137	50		09/14/12 14:53	75-25-2	
Bromomethane	<b>159U</b>	ug/kg	271	159	50		09/14/12 14:53	74-83-9	
TOTAL BTEX	<b>1690</b>	ug/kg	1620	381	50		09/14/12 14:53		
2-Butanone (MEK)	<b>68.2U</b>	ug/kg	541	68.2	50		09/14/12 14:53	78-93-3	
Carbon disulfide	<b>41.5U</b>	ug/kg	271	41.5	50		09/14/12 14:53	75-15-0	
Carbon tetrachloride	<b>48.2U</b>	ug/kg	271	48.2	50		09/14/12 14:53	56-23-5	
Chlorobenzene	<b>53.6U</b>	ug/kg	271	53.6	50		09/14/12 14:53	108-90-7	
Chloroethane	<b>88.2U</b>	ug/kg	271	88.2	50		09/14/12 14:53	75-00-3	
Chloroform	<b>38.5U</b>	ug/kg	271	38.5	50		09/14/12 14:53	67-66-3	
Chloromethane	<b>56.8U</b>	ug/kg	271	56.8	50		09/14/12 14:53	74-87-3	
Dibromochloromethane	<b>82.8U</b>	ug/kg	271	82.8	50		09/14/12 14:53	124-48-1	
1,2-Dichlorobenzene	<b>59.0U</b>	ug/kg	271	59.0	50		09/14/12 14:53	95-50-1	
1,3-Dichlorobenzene	<b>68.7U</b>	ug/kg	271	68.7	50		09/14/12 14:53	541-73-1	
1,4-Dichlorobenzene	<b>66.0U</b>	ug/kg	271	66.0	50		09/14/12 14:53	106-46-7	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-8 5**      **Lab ID: 3077070005**      Collected: 09/07/12 10:12      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
1,1-Dichloroethane	<b>42.9U</b>	ug/kg	271	42.9	50		09/14/12 14:53	75-34-3	
1,2-Dichloroethane	<b>49.2U</b>	ug/kg	271	49.2	50		09/14/12 14:53	107-06-2	
1,2-Dichloroethene (Total)	<b>177U</b>	ug/kg	541	177	50		09/14/12 14:53	540-59-0	
1,1-Dichloroethene	<b>43.9U</b>	ug/kg	271	43.9	50		09/14/12 14:53	75-35-4	
cis-1,2-Dichloroethene	<b>133U</b>	ug/kg	271	133	50		09/14/12 14:53	156-59-2	
trans-1,2-Dichloroethene	<b>44.3U</b>	ug/kg	271	44.3	50		09/14/12 14:53	156-60-5	
1,2-Dichloropropane	<b>87.7U</b>	ug/kg	271	87.7	50		09/14/12 14:53	78-87-5	
cis-1,3-Dichloropropene	<b>85.0U</b>	ug/kg	271	85.0	50		09/14/12 14:53	10061-01-5	
trans-1,3-Dichloropropene	<b>88.2U</b>	ug/kg	271	88.2	50		09/14/12 14:53	10061-02-6	
Ethylbenzene	<b>630</b>	ug/kg	271	139	50		09/14/12 14:53	100-41-4	
2-Hexanone	<b>63.9U</b>	ug/kg	541	63.9	50		09/14/12 14:53	591-78-6	
Methylene Chloride	<b>72.5U</b>	ug/kg	271	72.5	50		09/14/12 14:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>55.7U</b>	ug/kg	541	55.7	50		09/14/12 14:53	108-10-1	
Methyl-tert-butyl ether	<b>38.5U</b>	ug/kg	271	38.5	50		09/14/12 14:53	1634-04-4	
Styrene	<b>60.1U</b>	ug/kg	271	60.1	50		09/14/12 14:53	100-42-5	
1,1,2,2-Tetrachloroethane	<b>48.0U</b>	ug/kg	271	48.0	50		09/14/12 14:53	79-34-5	
Tetrachloroethene	<b>39.3U</b>	ug/kg	271	39.3	50		09/14/12 14:53	127-18-4	
Toluene	<b>204J</b>	ug/kg	271	34.8	50		09/14/12 14:53	108-88-3	
1,1,1-Trichloroethane	<b>141U</b>	ug/kg	271	141	50		09/14/12 14:53	71-55-6	
1,1,2-Trichloroethane	<b>49.8U</b>	ug/kg	271	49.8	50		09/14/12 14:53	79-00-5	
Trichloroethene	<b>40.9U</b>	ug/kg	271	40.9	50		09/14/12 14:53	79-01-6	
Vinyl chloride	<b>43.7U</b>	ug/kg	271	43.7	50		09/14/12 14:53	75-01-4	
Xylene (Total)	<b>868</b>	ug/kg	812	166	50		09/14/12 14:53	1330-20-7	
m&p-Xylene	<b>720</b>	ug/kg	541	104	50		09/14/12 14:53	179601-23-1	
o-Xylene	<b>149J</b>	ug/kg	271	61.1	50		09/14/12 14:53	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	152	%		70-130		50	09/14/12 14:53	2037-26-5	S5
4-Bromofluorobenzene (S)	124	%		70-130		50	09/14/12 14:53	460-00-4	
1,2-Dichloroethane-d4 (S)	119	%		70-130		50	09/14/12 14:53	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>20.9</b>	%		0.10		0.10	1	09/18/12 19:59	



## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-9 10**      **Lab ID: 3077070006**      Collected: 09/07/12 10:15      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>875</b>	mg/kg	113	66.3	10	09/13/12 09:30	09/18/12 13:23		
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		10	09/13/12 09:30	09/18/12 13:23	84-15-1	S4
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082    Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	<b>4.1U</b>	ug/kg	27.6	4.1	1	09/13/12 15:45	09/17/12 19:38	12674-11-2	
PCB-1221 (Aroclor 1221)	<b>12.6U</b>	ug/kg	27.6	12.6	1	09/13/12 15:45	09/17/12 19:38	11104-28-2	
PCB-1232 (Aroclor 1232)	<b>8.3U</b>	ug/kg	27.6	8.3	1	09/13/12 15:45	09/17/12 19:38	11141-16-5	
PCB-1242 (Aroclor 1242)	<b>5.4U</b>	ug/kg	27.6	5.4	1	09/13/12 15:45	09/17/12 19:38	53469-21-9	
PCB-1248 (Aroclor 1248)	<b>5.8U</b>	ug/kg	27.6	5.8	1	09/13/12 15:45	09/17/12 19:38	12672-29-6	
PCB-1254 (Aroclor 1254)	<b>12.7U</b>	ug/kg	27.6	12.7	1	09/13/12 15:45	09/17/12 19:38	11097-69-1	
PCB-1260 (Aroclor 1260)	<b>4.3U</b>	ug/kg	27.6	4.3	1	09/13/12 15:45	09/17/12 19:38	11096-82-5	
PCB, Total	<b>27.6U</b>	ug/kg	27.6	27.6	1	09/13/12 15:45	09/17/12 19:38	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	75 %		30-150		1	09/13/12 15:45	09/17/12 19:38	877-09-8	
Decachlorobiphenyl (S)	54 %		30-150		1	09/13/12 15:45	09/17/12 19:38	2051-24-3	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>610</b>	mg/kg	198	44.0	10	09/18/12 13:37	09/19/12 11:20		
TPH (C06-C10)	<b>692</b>	mg/kg	198	45.4	10	09/18/12 13:37	09/19/12 11:20		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	83 %		70-130		10	09/18/12 13:37	09/19/12 11:20	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B    Preparation Method: EPA 3050									
Antimony	<b>0.55U</b>	mg/kg	0.72	0.55	1	09/12/12 11:39	09/13/12 09:02	7440-36-0	
Arsenic	<b>6.6</b>	mg/kg	0.60	0.56	1	09/12/12 11:39	09/13/12 09:02	7440-38-2	
Beryllium	<b>0.43</b>	mg/kg	0.24	0.21	1	09/12/12 11:39	09/13/12 09:02	7440-41-7	
Cadmium	<b>0.28U</b>	mg/kg	0.36	0.28	1	09/12/12 11:39	09/13/12 09:02	7440-43-9	
Chromium	<b>11.5</b>	mg/kg	0.60	0.25	1	09/12/12 11:39	09/13/12 09:02	7440-47-3	
Copper	<b>9.9</b>	mg/kg	1.2	0.31	1	09/12/12 11:39	09/13/12 09:02	7440-50-8	
Lead	<b>24.2</b>	mg/kg	0.60	0.51	1	09/12/12 11:39	09/13/12 09:02	7439-92-1	
Nickel	<b>8.5</b>	mg/kg	2.4	0.52	1	09/12/12 11:39	09/13/12 09:02	7440-02-0	
Selenium	<b>1.4</b>	mg/kg	0.97	0.56	1	09/12/12 11:39	09/13/12 09:02	7782-49-2	
Silver	<b>0.23U</b>	mg/kg	0.72	0.23	1	09/12/12 11:39	09/13/12 09:02	7440-22-4	
Thallium	<b>0.86U</b>	mg/kg	2.4	0.86	1	09/12/12 11:39	09/13/12 09:02	7440-28-0	
Zinc	<b>27.6</b>	mg/kg	1.2	0.23	1	09/12/12 11:39	09/13/12 09:02	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Mercury	<b>0.099J</b>	mg/kg	0.17	0.0022	1	09/13/12 13:23	09/14/12 09:14	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b>									
Analytical Method: EPA 8270    Preparation Method: EPA 3546									
Acenaphthene	<b>65.3U</b>	ug/kg	560	65.3	1	09/14/12 15:45	09/20/12 17:27	83-32-9	
Acenaphthylene	<b>64.4U</b>	ug/kg	560	64.4	1	09/14/12 15:45	09/20/12 17:27	208-96-8	
Anthracene	<b>87.7U</b>	ug/kg	560	87.7	1	09/14/12 15:45	09/20/12 17:27	120-12-7	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II  
Pace Project No.: 3077070

Sample: **B-9 10** Lab ID: **3077070006** Collected: 09/07/12 10:15 Received: 09/10/12 10:00 Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Benzo(a)anthracene	<b>64.8U</b>	ug/kg	560	64.8	1	09/14/12 15:45	09/20/12 17:27	56-55-3	
Benzo(a)pyrene	<b>188U</b>	ug/kg	560	188	1	09/14/12 15:45	09/20/12 17:27	50-32-8	
Benzo(b)fluoranthene	<b>111U</b>	ug/kg	560	111	1	09/14/12 15:45	09/20/12 17:27	205-99-2	
Benzo(g,h,i)perylene	<b>161U</b>	ug/kg	560	161	1	09/14/12 15:45	09/20/12 17:27	191-24-2	
Benzo(k)fluoranthene	<b>200U</b>	ug/kg	560	200	1	09/14/12 15:45	09/20/12 17:27	207-08-9	
Benzyl alcohol	<b>82.8U</b>	ug/kg	560	82.8	1	09/14/12 15:45	09/20/12 17:27	100-51-6	
4-Bromophenylphenyl ether	<b>82.8U</b>	ug/kg	560	82.8	1	09/14/12 15:45	09/20/12 17:27	101-55-3	
Butylbenzylphthalate	<b>64.3U</b>	ug/kg	560	64.3	1	09/14/12 15:45	09/20/12 17:27	85-68-7	
4-Chloro-3-methylphenol	<b>88.8U</b>	ug/kg	560	88.8	1	09/14/12 15:45	09/20/12 17:27	59-50-7	
4-Chloroaniline	<b>124U</b>	ug/kg	560	124	1	09/14/12 15:45	09/20/12 17:27	106-47-8	
bis(2-Chloroethoxy)methane	<b>91.7U</b>	ug/kg	560	91.7	1	09/14/12 15:45	09/20/12 17:27	111-91-1	
bis(2-Chloroethyl) ether	<b>264U</b>	ug/kg	560	264	1	09/14/12 15:45	09/20/12 17:27	111-44-4	
bis(2-Chloroisopropyl) ether	<b>74.4U</b>	ug/kg	560	74.4	1	09/14/12 15:45	09/20/12 17:27	108-60-1	
2-Chloronaphthalene	<b>58.9U</b>	ug/kg	560	58.9	1	09/14/12 15:45	09/20/12 17:27	91-58-7	
2-Chlorophenol	<b>71.5U</b>	ug/kg	560	71.5	1	09/14/12 15:45	09/20/12 17:27	95-57-8	
4-Chlorophenylphenyl ether	<b>76.4U</b>	ug/kg	560	76.4	1	09/14/12 15:45	09/20/12 17:27	7005-72-3	
Chrysene	<b>121U</b>	ug/kg	560	121	1	09/14/12 15:45	09/20/12 17:27	218-01-9	
Dibenz(a,h)anthracene	<b>188U</b>	ug/kg	560	188	1	09/14/12 15:45	09/20/12 17:27	53-70-3	
Dibenzofuran	<b>74.9U</b>	ug/kg	560	74.9	1	09/14/12 15:45	09/20/12 17:27	132-64-9	
1,2-Dichlorobenzene	<b>83.3U</b>	ug/kg	560	83.3	1	09/14/12 15:45	09/20/12 17:27	95-50-1	
1,3-Dichlorobenzene	<b>93.0U</b>	ug/kg	560	93.0	1	09/14/12 15:45	09/20/12 17:27	541-73-1	
1,4-Dichlorobenzene	<b>78.9U</b>	ug/kg	560	78.9	1	09/14/12 15:45	09/20/12 17:27	106-46-7	
3,3'-Dichlorobenzidine	<b>61.1U</b>	ug/kg	560	61.1	1	09/14/12 15:45	09/20/12 17:27	91-94-1	
2,4-Dichlorophenol	<b>96.2U</b>	ug/kg	560	96.2	1	09/14/12 15:45	09/20/12 17:27	120-83-2	
Diethylphthalate	<b>61.8U</b>	ug/kg	560	61.8	1	09/14/12 15:45	09/20/12 17:27	84-66-2	
2,4-Dimethylphenol	<b>98.9U</b>	ug/kg	560	98.9	1	09/14/12 15:45	09/20/12 17:27	105-67-9	
Dimethylphthalate	<b>79.6U</b>	ug/kg	560	79.6	1	09/14/12 15:45	09/20/12 17:27	131-11-3	
Di-n-butylphthalate	<b>92.9U</b>	ug/kg	560	92.9	1	09/14/12 15:45	09/20/12 17:27	84-74-2	
4,6-Dinitro-2-methylphenol	<b>80.9U</b>	ug/kg	1400	80.9	1	09/14/12 15:45	09/20/12 17:27	534-52-1	
2,4-Dinitrophenol	<b>65.6U</b>	ug/kg	1400	65.6	1	09/14/12 15:45	09/20/12 17:27	51-28-5	
2,4-Dinitrotoluene	<b>117U</b>	ug/kg	560	117	1	09/14/12 15:45	09/20/12 17:27	121-14-2	
2,6-Dinitrotoluene	<b>73.5U</b>	ug/kg	560	73.5	1	09/14/12 15:45	09/20/12 17:27	606-20-2	
Di-n-octylphthalate	<b>103U</b>	ug/kg	560	103	1	09/14/12 15:45	09/20/12 17:27	117-84-0	
bis(2-Ethylhexyl)phthalate	<b>192U</b>	ug/kg	560	192	1	09/14/12 15:45	09/20/12 17:27	117-81-7	
Fluoranthene	<b>85.6U</b>	ug/kg	560	85.6	1	09/14/12 15:45	09/20/12 17:27	206-44-0	
Fluorene	<b>78.9U</b>	ug/kg	560	78.9	1	09/14/12 15:45	09/20/12 17:27	86-73-7	
Hexachloro-1,3-butadiene	<b>99.3U</b>	ug/kg	560	99.3	1	09/14/12 15:45	09/20/12 17:27	87-68-3	
Hexachlorobenzene	<b>72.4U</b>	ug/kg	560	72.4	1	09/14/12 15:45	09/20/12 17:27	118-74-1	
Hexachlorocyclopentadiene	<b>59.1U</b>	ug/kg	560	59.1	1	09/14/12 15:45	09/20/12 17:27	77-47-4	
Hexachloroethane	<b>86.1U</b>	ug/kg	560	86.1	1	09/14/12 15:45	09/20/12 17:27	67-72-1	
Indeno(1,2,3-cd)pyrene	<b>137U</b>	ug/kg	560	137	1	09/14/12 15:45	09/20/12 17:27	193-39-5	
Isophorone	<b>61.2U</b>	ug/kg	560	61.2	1	09/14/12 15:45	09/20/12 17:27	78-59-1	
2-Methylnaphthalene	<b>10400</b>	ug/kg	560	67.6	1	09/14/12 15:45	09/20/12 17:27	91-57-6	
2-Methylphenol(o-Cresol)	<b>99.1U</b>	ug/kg	560	99.1	1	09/14/12 15:45	09/20/12 17:27	95-48-7	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-9 10**      **Lab ID: 3077070006**      Collected: 09/07/12 10:15      Received: 09/10/12 10:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>		Analytical Method: EPA 8270    Preparation Method: EPA 3546							
<b>MICROWAVE</b>									
3&4-Methylphenol(m&p Cresol)	<b>113U</b>	ug/kg	1120	113	1	09/14/12 15:45	09/20/12 17:27		
Naphthalene	<b>5410</b>	ug/kg	560	74.7	1	09/14/12 15:45	09/20/12 17:27	91-20-3	
2-Nitroaniline	<b>65.8U</b>	ug/kg	1400	65.8	1	09/14/12 15:45	09/20/12 17:27	88-74-4	
3-Nitroaniline	<b>105U</b>	ug/kg	1400	105	1	09/14/12 15:45	09/20/12 17:27	99-09-2	
4-Nitroaniline	<b>151U</b>	ug/kg	1400	151	1	09/14/12 15:45	09/20/12 17:27	100-01-6	
Nitrobenzene	<b>88.0U</b>	ug/kg	560	88.0	1	09/14/12 15:45	09/20/12 17:27	98-95-3	
2-Nitrophenol	<b>62.9U</b>	ug/kg	560	62.9	1	09/14/12 15:45	09/20/12 17:27	88-75-5	
4-Nitrophenol	<b>95.6U</b>	ug/kg	560	95.6	1	09/14/12 15:45	09/20/12 17:27	100-02-7	
N-Nitroso-di-n-propylamine	<b>66.3U</b>	ug/kg	560	66.3	1	09/14/12 15:45	09/20/12 17:27	621-64-7	
N-Nitrosodiphenylamine	<b>56.7U</b>	ug/kg	560	56.7	1	09/14/12 15:45	09/20/12 17:27	86-30-6	
Pentachlorophenol	<b>140U</b>	ug/kg	1400	140	1	09/14/12 15:45	09/20/12 17:27	87-86-5	
Phenanthrene	<b>103U</b>	ug/kg	560	103	1	09/14/12 15:45	09/20/12 17:27	85-01-8	
Phenol	<b>136U</b>	ug/kg	560	136	1	09/14/12 15:45	09/20/12 17:27	108-95-2	
Pyrene	<b>85.3U</b>	ug/kg	560	85.3	1	09/14/12 15:45	09/20/12 17:27	129-00-0	
1,2,4-Trichlorobenzene	<b>85.8U</b>	ug/kg	560	85.8	1	09/14/12 15:45	09/20/12 17:27	120-82-1	
2,4,5-Trichlorophenol	<b>166U</b>	ug/kg	1400	166	1	09/14/12 15:45	09/20/12 17:27	95-95-4	
2,4,6-Trichlorophenol	<b>102U</b>	ug/kg	560	102	1	09/14/12 15:45	09/20/12 17:27	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	86 %		49-118		1	09/14/12 15:45	09/20/12 17:27	4165-60-0	
2-Fluorobiphenyl (S)	81 %		48-125		1	09/14/12 15:45	09/20/12 17:27	321-60-8	
Terphenyl-d14 (S)	107 %		29-159		1	09/14/12 15:45	09/20/12 17:27	1718-51-0	
Phenol-d6 (S)	85 %		30-130		1	09/14/12 15:45	09/20/12 17:27	13127-88-3	
2-Fluorophenol (S)	93 %		25-138		1	09/14/12 15:45	09/20/12 17:27	367-12-4	
2,4,6-Tribromophenol (S)	79 %		10-144		1	09/14/12 15:45	09/20/12 17:27	118-79-6	
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Acetone	<b>2890</b>	ug/kg	988	193	50		09/14/12 15:15	67-64-1	
Benzene	<b>1960</b>	ug/kg	494	77.1	50		09/14/12 15:15	71-43-2	
Bromodichloromethane	<b>179U</b>	ug/kg	494	179	50		09/14/12 15:15	75-27-4	
Bromoform	<b>250U</b>	ug/kg	494	250	50		09/14/12 15:15	75-25-2	
Bromomethane	<b>290U</b>	ug/kg	494	290	50		09/14/12 15:15	74-83-9	
TOTAL BTEX	<b>18600</b>	ug/kg	2960	697	50		09/14/12 15:15		
2-Butanone (MEK)	<b>124U</b>	ug/kg	988	124	50		09/14/12 15:15	78-93-3	
Carbon disulfide	<b>75.8U</b>	ug/kg	494	75.8	50		09/14/12 15:15	75-15-0	
Carbon tetrachloride	<b>87.9U</b>	ug/kg	494	87.9	50		09/14/12 15:15	56-23-5	
Chlorobenzene	<b>97.9U</b>	ug/kg	494	97.9	50		09/14/12 15:15	108-90-7	
Chloroethane	<b>161U</b>	ug/kg	494	161	50		09/14/12 15:15	75-00-3	
Chloroform	<b>70.3U</b>	ug/kg	494	70.3	50		09/14/12 15:15	67-66-3	
Chloromethane	<b>104U</b>	ug/kg	494	104	50		09/14/12 15:15	74-87-3	
Dibromochloromethane	<b>151U</b>	ug/kg	494	151	50		09/14/12 15:15	124-48-1	
1,2-Dichlorobenzene	<b>108U</b>	ug/kg	494	108	50		09/14/12 15:15	95-50-1	
1,3-Dichlorobenzene	<b>125U</b>	ug/kg	494	125	50		09/14/12 15:15	541-73-1	
1,4-Dichlorobenzene	<b>121U</b>	ug/kg	494	121	50		09/14/12 15:15	106-46-7	
1,1-Dichloroethane	<b>78.4U</b>	ug/kg	494	78.4	50		09/14/12 15:15	75-34-3	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-9 10**      **Lab ID: 3077070006**      Collected: 09/07/12 10:15      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
1,2-Dichloroethane	<b>89.9U</b>	ug/kg	494	89.9	50		09/14/12 15:15	107-06-2	
1,2-Dichloroethene (Total)	<b>324U</b>	ug/kg	988	324	50		09/14/12 15:15	540-59-0	
1,1-Dichloroethene	<b>80.1U</b>	ug/kg	494	80.1	50		09/14/12 15:15	75-35-4	
cis-1,2-Dichloroethene	<b>243U</b>	ug/kg	494	243	50		09/14/12 15:15	156-59-2	
trans-1,2-Dichloroethene	<b>80.9U</b>	ug/kg	494	80.9	50		09/14/12 15:15	156-60-5	
1,2-Dichloropropane	<b>160U</b>	ug/kg	494	160	50		09/14/12 15:15	78-87-5	
cis-1,3-Dichloropropene	<b>155U</b>	ug/kg	494	155	50		09/14/12 15:15	10061-01-5	
trans-1,3-Dichloropropene	<b>161U</b>	ug/kg	494	161	50		09/14/12 15:15	10061-02-6	
Ethylbenzene	<b>13100</b>	ug/kg	494	254	50		09/14/12 15:15	100-41-4	
2-Hexanone	<b>117U</b>	ug/kg	988	117	50		09/14/12 15:15	591-78-6	
Methylene Chloride	<b>132U</b>	ug/kg	494	132	50		09/14/12 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>102U</b>	ug/kg	988	102	50		09/14/12 15:15	108-10-1	
Methyl-tert-butyl ether	<b>70.3U</b>	ug/kg	494	70.3	50		09/14/12 15:15	1634-04-4	
Styrene	<b>110U</b>	ug/kg	494	110	50		09/14/12 15:15	100-42-5	
1,1,2,2-Tetrachloroethane	<b>87.6U</b>	ug/kg	494	87.6	50		09/14/12 15:15	79-34-5	
Tetrachloroethene	<b>71.7U</b>	ug/kg	494	71.7	50		09/14/12 15:15	127-18-4	
Toluene	<b>810</b>	ug/kg	494	63.5	50		09/14/12 15:15	108-88-3	
1,1,1-Trichloroethane	<b>257U</b>	ug/kg	494	257	50		09/14/12 15:15	71-55-6	
1,1,2-Trichloroethane	<b>91.0U</b>	ug/kg	494	91.0	50		09/14/12 15:15	79-00-5	
Trichloroethene	<b>74.7U</b>	ug/kg	494	74.7	50		09/14/12 15:15	79-01-6	
Vinyl chloride	<b>79.8U</b>	ug/kg	494	79.8	50		09/14/12 15:15	75-01-4	
Xylene (Total)	<b>3110</b>	ug/kg	1480	302	50		09/14/12 15:15	1330-20-7	
m&p-Xylene	<b>2720</b>	ug/kg	988	191	50		09/14/12 15:15	179601-23-1	
o-Xylene	<b>394J</b>	ug/kg	494	112	50		09/14/12 15:15	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	124	%	70-130		50		09/14/12 15:15	2037-26-5	
4-Bromofluorobenzene (S)	115	%	70-130		50		09/14/12 15:15	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		50		09/14/12 15:15	17060-07-0	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	<b>40.9</b>	%	0.10	0.10	1		09/18/12 20:00		
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### ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-9 GW**      **Lab ID: 3077070007**      Collected: 09/07/12 10:30      Received: 09/10/12 10:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3510									
Diesel Components	<b>1.0</b>	mg/L	0.36	0.13	1	09/14/12 08:30	09/18/12 11:41		
<b>Surrogates</b>									
o-Terphenyl (S)	66 %		50-150		1	09/14/12 08:30	09/18/12 11:41	84-15-1	5c
<b>8082 GCS PCB</b> Analytical Method: EPA 8082      Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	<b>0.27U</b>	ug/L	0.91	0.27	1	09/14/12 11:55	09/17/12 20:52	12674-11-2	
PCB-1221 (Aroclor 1221)	<b>0.33U</b>	ug/L	0.91	0.33	1	09/14/12 11:55	09/17/12 20:52	11104-28-2	
PCB-1232 (Aroclor 1232)	<b>0.26U</b>	ug/L	0.91	0.26	1	09/14/12 11:55	09/17/12 20:52	11141-16-5	
PCB-1242 (Aroclor 1242)	<b>0.12U</b>	ug/L	0.91	0.12	1	09/14/12 11:55	09/17/12 20:52	53469-21-9	
PCB-1248 (Aroclor 1248)	<b>0.085U</b>	ug/L	0.91	0.085	1	09/14/12 11:55	09/17/12 20:52	12672-29-6	
PCB-1254 (Aroclor 1254)	<b>0.13U</b>	ug/L	0.91	0.13	1	09/14/12 11:55	09/17/12 20:52	11097-69-1	
PCB-1260 (Aroclor 1260)	<b>0.11U</b>	ug/L	0.91	0.11	1	09/14/12 11:55	09/17/12 20:52	11096-82-5	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	44 %		30-150		1	09/14/12 11:55	09/17/12 20:52	877-09-8	
Decachlorobiphenyl (S)	26 %		30-150		1	09/14/12 11:55	09/17/12 20:52	2051-24-3	3c
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.									
TPH (C06-C10)	<b>1570</b>	ug/L	200	22.0	1		09/12/12 13:15		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88 %		70-130		1		09/12/12 13:15	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010B      Preparation Method: EPA 3005									
Antimony	<b>3.3U</b>	ug/L	6.0	3.3	1	09/12/12 11:58	09/12/12 16:28	7440-36-0	
Arsenic	<b>62.7</b>	ug/L	5.0	3.6	1	09/12/12 11:58	09/12/12 16:28	7440-38-2	
Beryllium	<b>5.9</b>	ug/L	1.0	0.24	1	09/12/12 11:58	09/12/12 16:28	7440-41-7	
Cadmium	<b>1.3U</b>	ug/L	3.0	1.3	1	09/12/12 11:58	09/12/12 16:28	7440-43-9	
Chromium	<b>176</b>	ug/L	5.0	0.90	1	09/12/12 11:58	09/12/12 16:28	7440-47-3	
Copper	<b>151</b>	ug/L	5.0	2.0	1	09/12/12 11:58	09/12/12 16:28	7440-50-8	
Lead	<b>283</b>	ug/L	5.0	3.2	1	09/12/12 11:58	09/12/12 16:28	7439-92-1	
Nickel	<b>130</b>	ug/L	10.0	1.4	1	09/12/12 11:58	09/12/12 16:28	7440-02-0	
Selenium	<b>7.5J</b>	ug/L	8.0	3.3	1	09/12/12 11:58	09/12/12 16:28	7782-49-2	
Silver	<b>1.6U</b>	ug/L	6.0	1.6	1	09/12/12 11:58	09/12/12 16:28	7440-22-4	
Thallium	<b>3.9U</b>	ug/L	10.0	3.9	1	09/12/12 11:58	09/12/12 16:28	7440-28-0	
Zinc	<b>365</b>	ug/L	10.0	1.4	1	09/12/12 11:58	09/12/12 16:28	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury	<b>0.99</b>	ug/L	0.20	0.028	1	09/13/12 08:03	09/13/12 13:10	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Acenaphthene	<b>0.00095U</b>	mg/L	0.0036	0.00095	1	09/13/12 14:00	09/20/12 19:36	83-32-9	
Acenaphthylene	<b>0.00072U</b>	mg/L	0.0036	0.00072	1	09/13/12 14:00	09/20/12 19:36	208-96-8	
Anthracene	<b>0.00073U</b>	mg/L	0.0036	0.00073	1	09/13/12 14:00	09/20/12 19:36	120-12-7	
Azobenzene	<b>0.00089U</b>	mg/L	0.0036	0.00089	1	09/13/12 14:00	09/20/12 19:36	103-33-3	N2
Benzo(a)anthracene	<b>0.00083U</b>	mg/L	0.0036	0.00083	1	09/13/12 14:00	09/20/12 19:36	56-55-3	
Benzo(a)pyrene	<b>0.00091U</b>	mg/L	0.0036	0.00091	1	09/13/12 14:00	09/20/12 19:36	50-32-8	
Benzo(b)fluoranthene	<b>0.00069U</b>	mg/L	0.0036	0.00069	1	09/13/12 14:00	09/20/12 19:36	205-99-2	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

Sample: B-9 GW Lab ID: 3077070007 Collected: 09/07/12 10:30 Received: 09/10/12 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzo(g,h,i)perylene	<b>0.0014U</b>	mg/L	0.0036	0.0014	1	09/13/12 14:00	09/20/12 19:36	191-24-2	
Benzo(k)fluoranthene	<b>0.00091U</b>	mg/L	0.0036	0.00091	1	09/13/12 14:00	09/20/12 19:36	207-08-9	
Benzoic acid	<b>0.0010U</b>	mg/L	0.36	0.0010	1	09/13/12 14:00	09/20/12 19:36	65-85-0	
Benzyl alcohol	<b>0.00080U</b>	mg/L	0.0036	0.00080	1	09/13/12 14:00	09/20/12 19:36	100-51-6	
4-Bromophenylphenyl ether	<b>0.00096U</b>	mg/L	0.0036	0.00096	1	09/13/12 14:00	09/20/12 19:36	101-55-3	
Butylbenzylphthalate	<b>0.0010U</b>	mg/L	0.0036	0.0010	1	09/13/12 14:00	09/20/12 19:36	85-68-7	
Carbazole	<b>0.00083U</b>	mg/L	0.0036	0.00083	1	09/13/12 14:00	09/20/12 19:36	86-74-8	
4-Chloro-3-methylphenol	<b>0.00084U</b>	mg/L	0.0036	0.00084	1	09/13/12 14:00	09/20/12 19:36	59-50-7	
4-Chloroaniline	<b>0.00051U</b>	mg/L	0.0036	0.00051	1	09/13/12 14:00	09/20/12 19:36	106-47-8	
bis(2-Chloroethoxy)methane	<b>0.00081U</b>	mg/L	0.0036	0.00081	1	09/13/12 14:00	09/20/12 19:36	111-91-1	
bis(2-Chloroethyl) ether	<b>0.0011U</b>	mg/L	0.0036	0.0011	1	09/13/12 14:00	09/20/12 19:36	111-44-4	
bis(2-Chloroisopropyl) ether	<b>0.00082U</b>	mg/L	0.0036	0.00082	1	09/13/12 14:00	09/20/12 19:36	108-60-1	
2-Chloronaphthalene	<b>0.00087U</b>	mg/L	0.0036	0.00087	1	09/13/12 14:00	09/20/12 19:36	91-58-7	
2-Chlorophenol	<b>0.00075U</b>	mg/L	0.0036	0.00075	1	09/13/12 14:00	09/20/12 19:36	95-57-8	
4-Chlorophenylphenyl ether	<b>0.00081U</b>	mg/L	0.0036	0.00081	1	09/13/12 14:00	09/20/12 19:36	7005-72-3	
Chrysene	<b>0.00083U</b>	mg/L	0.0036	0.00083	1	09/13/12 14:00	09/20/12 19:36	218-01-9	
Dibenz(a,h)anthracene	<b>0.0016U</b>	mg/L	0.0036	0.0016	1	09/13/12 14:00	09/20/12 19:36	53-70-3	
Dibenzofuran	<b>0.00090U</b>	mg/L	0.0036	0.00090	1	09/13/12 14:00	09/20/12 19:36	132-64-9	
1,2-Dichlorobenzene	<b>0.00091U</b>	mg/L	0.0036	0.00091	1	09/13/12 14:00	09/20/12 19:36	95-50-1	
1,3-Dichlorobenzene	<b>0.00098U</b>	mg/L	0.0036	0.00098	1	09/13/12 14:00	09/20/12 19:36	541-73-1	
1,4-Dichlorobenzene	<b>0.0010U</b>	mg/L	0.0036	0.0010	1	09/13/12 14:00	09/20/12 19:36	106-46-7	
3,3'-Dichlorobenzidine	<b>0.00061U</b>	mg/L	0.0036	0.00061	1	09/13/12 14:00	09/20/12 19:36	91-94-1	
2,4-Dichlorophenol	<b>0.00090U</b>	mg/L	0.0036	0.00090	1	09/13/12 14:00	09/20/12 19:36	120-83-2	
Diethylphthalate	<b>0.00086U</b>	mg/L	0.0036	0.00086	1	09/13/12 14:00	09/20/12 19:36	84-66-2	
2,4-Dimethylphenol	<b>0.0012U</b>	mg/L	0.0036	0.0012	1	09/13/12 14:00	09/20/12 19:36	105-67-9	
Dimethylphthalate	<b>0.0010U</b>	mg/L	0.0036	0.0010	1	09/13/12 14:00	09/20/12 19:36	131-11-3	
Di-n-butylphthalate	<b>0.00089U</b>	mg/L	0.0036	0.00089	1	09/13/12 14:00	09/20/12 19:36	84-74-2	
4,6-Dinitro-2-methylphenol	<b>0.00092U</b>	mg/L	0.0091	0.00092	1	09/13/12 14:00	09/20/12 19:36	534-52-1	
2,4-Dinitrophenol	<b>0.0012U</b>	mg/L	0.0091	0.0012	1	09/13/12 14:00	09/20/12 19:36	51-28-5	
2,4-Dinitrotoluene	<b>0.00086U</b>	mg/L	0.0036	0.00086	1	09/13/12 14:00	09/20/12 19:36	121-14-2	
2,6-Dinitrotoluene	<b>0.00093U</b>	mg/L	0.0036	0.00093	1	09/13/12 14:00	09/20/12 19:36	606-20-2	
Di-n-octylphthalate	<b>0.0010U</b>	mg/L	0.0036	0.0010	1	09/13/12 14:00	09/20/12 19:36	117-84-0	
bis(2-Ethylhexyl)phthalate	<b>0.0016U</b>	mg/L	0.0036	0.0016	1	09/13/12 14:00	09/20/12 19:36	117-81-7	
Fluoranthene	<b>0.00079U</b>	mg/L	0.0036	0.00079	1	09/13/12 14:00	09/20/12 19:36	206-44-0	
Fluorene	<b>0.00074U</b>	mg/L	0.0036	0.00074	1	09/13/12 14:00	09/20/12 19:36	86-73-7	
Hexachloro-1,3-butadiene	<b>0.0012U</b>	mg/L	0.0036	0.0012	1	09/13/12 14:00	09/20/12 19:36	87-68-3	
Hexachlorobenzene	<b>0.00092U</b>	mg/L	0.0036	0.00092	1	09/13/12 14:00	09/20/12 19:36	118-74-1	
Hexachlorocyclopentadiene	<b>0.00065U</b>	mg/L	0.0036	0.00065	1	09/13/12 14:00	09/20/12 19:36	77-47-4	
Hexachloroethane	<b>0.0011U</b>	mg/L	0.0036	0.0011	1	09/13/12 14:00	09/20/12 19:36	67-72-1	
Indeno(1,2,3-cd)pyrene	<b>0.0017U</b>	mg/L	0.0036	0.0017	1	09/13/12 14:00	09/20/12 19:36	193-39-5	
Isophorone	<b>0.00073U</b>	mg/L	0.0036	0.00073	1	09/13/12 14:00	09/20/12 19:36	78-59-1	
1-Methylnaphthalene	<b>0.00086U</b>	mg/L	0.0036	0.00086	1	09/13/12 14:00	09/20/12 19:36	90-12-0	N2
2-Methylnaphthalene	<b>0.00099U</b>	mg/L	0.0036	0.00099	1	09/13/12 14:00	09/20/12 19:36	91-57-6	
2-Methylphenol(o-Cresol)	<b>0.00096U</b>	mg/L	0.0036	0.00096	1	09/13/12 14:00	09/20/12 19:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	<b>0.0025U</b>	mg/L	0.0073	0.0025	1	09/13/12 14:00	09/20/12 19:36		
Naphthalene	<b>0.00084U</b>	mg/L	0.0036	0.00084	1	09/13/12 14:00	09/20/12 19:36	91-20-3	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II  
Pace Project No.: 3077070

Sample: **B-9 GW** Lab ID: **3077070007** Collected: 09/07/12 10:30 Received: 09/10/12 10:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2-Nitroaniline	0.0010U	mg/L	0.0091	0.0010	1	09/13/12 14:00	09/20/12 19:36	88-74-4	
3-Nitroaniline	0.00093U	mg/L	0.0091	0.00093	1	09/13/12 14:00	09/20/12 19:36	99-09-2	
4-Nitroaniline	0.0016U	mg/L	0.0091	0.0016	1	09/13/12 14:00	09/20/12 19:36	100-01-6	
Nitrobenzene	0.0017U	mg/L	0.0036	0.0017	1	09/13/12 14:00	09/20/12 19:36	98-95-3	
2-Nitrophenol	0.00096U	mg/L	0.0036	0.00096	1	09/13/12 14:00	09/20/12 19:36	88-75-5	
4-Nitrophenol	0.0014U	mg/L	0.0036	0.0014	1	09/13/12 14:00	09/20/12 19:36	100-02-7	
N-Nitrosodimethylamine	0.0010U	mg/L	0.0036	0.0010	1	09/13/12 14:00	09/20/12 19:36	62-75-9	
N-Nitroso-di-n-propylamine	0.00075U	mg/L	0.0036	0.00075	1	09/13/12 14:00	09/20/12 19:36	621-64-7	
N-Nitrosodiphenylamine	0.00075U	mg/L	0.0036	0.00075	1	09/13/12 14:00	09/20/12 19:36	86-30-6	
Pentachlorophenol	0.0010U	mg/L	0.0091	0.0010	1	09/13/12 14:00	09/20/12 19:36	87-86-5	
Phenanthrene	0.00082U	mg/L	0.0036	0.00082	1	09/13/12 14:00	09/20/12 19:36	85-01-8	
Phenol	0.00094U	mg/L	0.0036	0.00094	1	09/13/12 14:00	09/20/12 19:36	108-95-2	
Pyrene	0.0010U	mg/L	0.0036	0.0010	1	09/13/12 14:00	09/20/12 19:36	129-00-0	
1,2,4-Trichlorobenzene	0.0010U	mg/L	0.0036	0.0010	1	09/13/12 14:00	09/20/12 19:36	120-82-1	
2,4,5-Trichlorophenol	0.0014U	mg/L	0.0091	0.0014	1	09/13/12 14:00	09/20/12 19:36	95-95-4	
2,4,6-Trichlorophenol	0.00090U	mg/L	0.0036	0.00090	1	09/13/12 14:00	09/20/12 19:36	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	51 %		35-114		1	09/13/12 14:00	09/20/12 19:36	4165-60-0	
2-Fluorobiphenyl (S)	51 %		43-116		1	09/13/12 14:00	09/20/12 19:36	321-60-8	
Terphenyl-d14 (S)	53 %		33-141		1	09/13/12 14:00	09/20/12 19:36	1718-51-0	
Phenol-d6 (S)	20 %		10-110		1	09/13/12 14:00	09/20/12 19:36	13127-88-3	
2-Fluorophenol (S)	30 %		21-110		1	09/13/12 14:00	09/20/12 19:36	367-12-4	
2,4,6-Tribromophenol (S)	60 %		10-123		1	09/13/12 14:00	09/20/12 19:36	118-79-6	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Acetone	0.026	mg/L	0.010	0.0026	1		09/12/12 21:08	67-64-1	
tert-Amylmethyl ether	0.00020U	mg/L	0.0010	0.00020	1		09/12/12 21:08	994-05-8	
Benzene	0.12	mg/L	0.0010	0.000065	1		09/12/12 21:08	71-43-2	
Bromochloromethane	0.00022U	mg/L	0.0010	0.00022	1		09/12/12 21:08	74-97-5	
Bromodichloromethane	0.00015U	mg/L	0.0010	0.00015	1		09/12/12 21:08	75-27-4	
Bromoform	0.00025U	mg/L	0.0010	0.00025	1		09/12/12 21:08	75-25-2	
Bromomethane	0.00037U	mg/L	0.0010	0.00037	1		09/12/12 21:08	74-83-9	
2-Butanone (MEK)	0.0011U	mg/L	0.010	0.0011	1		09/12/12 21:08	78-93-3	
tert-Butyl Alcohol	0.0046U	mg/L	0.0050	0.0046	1		09/12/12 21:08	75-65-0	
Carbon disulfide	0.00018U	mg/L	0.0010	0.00018	1		09/12/12 21:08	75-15-0	
Carbon tetrachloride	0.00024U	mg/L	0.0010	0.00024	1		09/12/12 21:08	56-23-5	
Chlorobenzene	0.021	mg/L	0.0010	0.00012	1		09/12/12 21:08	108-90-7	
Chloroethane	0.00048U	mg/L	0.0010	0.00048	1		09/12/12 21:08	75-00-3	
Chloroform	0.00016U	mg/L	0.0010	0.00016	1		09/12/12 21:08	67-66-3	
Chloromethane	0.00021U	mg/L	0.0010	0.00021	1		09/12/12 21:08	74-87-3	
Dibromochloromethane	0.00022U	mg/L	0.0010	0.00022	1		09/12/12 21:08	124-48-1	
1,2-Dichlorobenzene	0.00023U	mg/L	0.0010	0.00023	1		09/12/12 21:08	95-50-1	
1,3-Dichlorobenzene	0.00026U	mg/L	0.0010	0.00026	1		09/12/12 21:08	541-73-1	
1,4-Dichlorobenzene	0.00017U	mg/L	0.0010	0.00017	1		09/12/12 21:08	106-46-7	
1,1-Dichloroethane	0.00016U	mg/L	0.0010	0.00016	1		09/12/12 21:08	75-34-3	
1,2-Dichloroethane	0.00014U	mg/L	0.0010	0.00014	1		09/12/12 21:08	107-06-2	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-9 GW**      **Lab ID: 3077070007**      Collected: 09/07/12 10:30      Received: 09/10/12 10:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichloroethene (Total)	<b>0.00038U</b>	mg/L	0.0020	0.00038	1		09/12/12 21:08	540-59-0	
1,1-Dichloroethene	<b>0.00014U</b>	mg/L	0.0010	0.00014	1		09/12/12 21:08	75-35-4	
cis-1,2-Dichloroethene	<b>0.00020U</b>	mg/L	0.0010	0.00020	1		09/12/12 21:08	156-59-2	
trans-1,2-Dichloroethene	<b>0.00018U</b>	mg/L	0.0010	0.00018	1		09/12/12 21:08	156-60-5	
1,2-Dichloropropane	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 21:08	78-87-5	
cis-1,3-Dichloropropene	<b>0.00019U</b>	mg/L	0.0010	0.00019	1		09/12/12 21:08	10061-01-5	
trans-1,3-Dichloropropene	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 21:08	10061-02-6	
Ethanol	<b>0.037U</b>	mg/L	0.20	0.037	1		09/12/12 21:08	64-17-5	
Ethylbenzene	<b>0.014</b>	mg/L	0.0010	0.00012	1		09/12/12 21:08	100-41-4	
Ethyl-tert-butyl ether	<b>0.00015U</b>	mg/L	0.0010	0.00015	1		09/12/12 21:08	637-92-3	
2-Hexanone	<b>0.00034U</b>	mg/L	0.010	0.00034	1		09/12/12 21:08	591-78-6	
Isopropylbenzene (Cumene)	<b>0.020</b>	mg/L	0.0010	0.00012	1		09/12/12 21:08	98-82-8	
Methylene Chloride	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 21:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.00029U</b>	mg/L	0.010	0.00029	1		09/12/12 21:08	108-10-1	
Methyl-tert-butyl ether	<b>0.00019U</b>	mg/L	0.0010	0.00019	1		09/12/12 21:08	1634-04-4	
Naphthalene	<b>0.00098J</b>	mg/L	0.0020	0.00033	1		09/12/12 21:08	91-20-3	
Styrene	<b>0.00018U</b>	mg/L	0.0010	0.00018	1		09/12/12 21:08	100-42-5	
1,1,2,2-Tetrachloroethane	<b>0.00022U</b>	mg/L	0.0010	0.00022	1		09/12/12 21:08	79-34-5	
Tetrachloroethene	<b>0.00012U</b>	mg/L	0.0010	0.00012	1		09/12/12 21:08	127-18-4	
Toluene	<b>0.011</b>	mg/L	0.0010	0.00011	1		09/12/12 21:08	108-88-3	
1,2,4-Trichlorobenzene	<b>0.00033U</b>	mg/L	0.0010	0.00033	1		09/12/12 21:08	120-82-1	
1,1,1-Trichloroethane	<b>0.00019U</b>	mg/L	0.0010	0.00019	1		09/12/12 21:08	71-55-6	
1,1,2-Trichloroethane	<b>0.00023U</b>	mg/L	0.0010	0.00023	1		09/12/12 21:08	79-00-5	
Trichloroethene	<b>0.00015U</b>	mg/L	0.0010	0.00015	1		09/12/12 21:08	79-01-6	
1,2,4-Trimethylbenzene	<b>0.0026</b>	mg/L	0.0010	0.00013	1		09/12/12 21:08	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0094</b>	mg/L	0.0010	0.00012	1		09/12/12 21:08	108-67-8	
Vinyl chloride	<b>0.00013U</b>	mg/L	0.0010	0.00013	1		09/12/12 21:08	75-01-4	
Xylene (Total)	<b>0.046</b>	mg/L	0.0030	0.00031	1		09/12/12 21:08	1330-20-7	
m&p-Xylene	<b>0.037</b>	mg/L	0.0020	0.00021	1		09/12/12 21:08	179601-23-1	
o-Xylene	<b>0.0088</b>	mg/L	0.0010	0.00010	1		09/12/12 21:08	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89 %		70-130		1		09/12/12 21:08	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		70-130		1		09/12/12 21:08	17060-07-0	
Toluene-d8 (S)	109 %		70-130		1		09/12/12 21:08	2037-26-5	



## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-10 5**      **Lab ID: 3077070008**      Collected: 09/07/12 10:47      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>67.0</b>	mg/kg	8.2	4.8	1	09/13/12 09:30	09/17/12 18:12		
<b>Surrogates</b>									
o-Terphenyl (S)	73 %		50-150		1	09/13/12 09:30	09/17/12 18:12	84-15-1	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>103</b>	mg/kg	99.7	22.2	10	09/18/12 13:37	09/19/12 11:36		
TPH (C06-C10)	<b>106</b>	mg/kg	99.7	22.9	10	09/18/12 13:37	09/19/12 11:36		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88 %		70-130		10	09/18/12 13:37	09/19/12 11:36	460-00-4	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>67.3</b>	ug/kg	12.2	2.4	1		09/14/12 14:30	67-64-1	
Benzene	<b>3.5J</b>	ug/kg	6.1	0.95	1		09/14/12 14:30	71-43-2	
Bromodichloromethane	<b>2.2U</b>	ug/kg	6.1	2.2	1		09/14/12 14:30	75-27-4	
Bromoform	<b>3.1U</b>	ug/kg	6.1	3.1	1		09/14/12 14:30	75-25-2	
Bromomethane	<b>3.6U</b>	ug/kg	6.1	3.6	1		09/14/12 14:30	74-83-9	
TOTAL BTEX	<b>18.6J</b>	ug/kg	36.6	8.6	1		09/14/12 14:30		
2-Butanone (MEK)	<b>1.5U</b>	ug/kg	12.2	1.5	1		09/14/12 14:30	78-93-3	
Carbon disulfide	<b>0.94U</b>	ug/kg	6.1	0.94	1		09/14/12 14:30	75-15-0	
Carbon tetrachloride	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/14/12 14:30	56-23-5	
Chlorobenzene	<b>1.2U</b>	ug/kg	6.1	1.2	1		09/14/12 14:30	108-90-7	
Chloroethane	<b>2.0U</b>	ug/kg	6.1	2.0	1		09/14/12 14:30	75-00-3	
Chloroform	<b>0.87U</b>	ug/kg	6.1	0.87	1		09/14/12 14:30	67-66-3	
Chloromethane	<b>1.3U</b>	ug/kg	6.1	1.3	1		09/14/12 14:30	74-87-3	
Dibromochloromethane	<b>1.9U</b>	ug/kg	6.1	1.9	1		09/14/12 14:30	124-48-1	
1,2-Dichlorobenzene	<b>1.3U</b>	ug/kg	6.1	1.3	1		09/14/12 14:30	95-50-1	
1,3-Dichlorobenzene	<b>1.6U</b>	ug/kg	6.1	1.6	1		09/14/12 14:30	541-73-1	
1,4-Dichlorobenzene	<b>1.5U</b>	ug/kg	6.1	1.5	1		09/14/12 14:30	106-46-7	
1,1-Dichloroethane	<b>0.97U</b>	ug/kg	6.1	0.97	1		09/14/12 14:30	75-34-3	
1,2-Dichloroethane	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/14/12 14:30	107-06-2	
1,2-Dichloroethene (Total)	<b>4.0U</b>	ug/kg	12.2	4.0	1		09/14/12 14:30	540-59-0	
1,1-Dichloroethene	<b>0.99U</b>	ug/kg	6.1	0.99	1		09/14/12 14:30	75-35-4	
cis-1,2-Dichloroethene	<b>3.0U</b>	ug/kg	6.1	3.0	1		09/14/12 14:30	156-59-2	
trans-1,2-Dichloroethene	<b>1.0U</b>	ug/kg	6.1	1.0	1		09/14/12 14:30	156-60-5	
1,2-Dichloropropane	<b>2.0U</b>	ug/kg	6.1	2.0	1		09/14/12 14:30	78-87-5	
cis-1,3-Dichloropropene	<b>1.9U</b>	ug/kg	6.1	1.9	1		09/14/12 14:30	10061-01-5	
trans-1,3-Dichloropropene	<b>2.0U</b>	ug/kg	6.1	2.0	1		09/14/12 14:30	10061-02-6	
Ethylbenzene	<b>18.6</b>	ug/kg	6.1	3.1	1		09/14/12 14:30	100-41-4	
2-Hexanone	<b>1.4U</b>	ug/kg	12.2	1.4	1		09/14/12 14:30	591-78-6	
Methylene Chloride	<b>1.6U</b>	ug/kg	6.1	1.6	1		09/14/12 14:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>190</b>	ug/kg	12.2	1.3	1		09/14/12 14:30	108-10-1	
Methyl-tert-butyl ether	<b>0.87U</b>	ug/kg	6.1	0.87	1		09/14/12 14:30	1634-04-4	
Styrene	<b>1.4U</b>	ug/kg	6.1	1.4	1		09/14/12 14:30	100-42-5	
1,1,2,2-Tetrachloroethane	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/14/12 14:30	79-34-5	
Tetrachloroethene	<b>0.89U</b>	ug/kg	6.1	0.89	1		09/14/12 14:30	127-18-4	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-10 5**      **Lab ID: 3077070008**      Collected: 09/07/12 10:47      Received: 09/10/12 10:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Toluene	<b>3.9J</b>	ug/kg	6.1	0.79	1		09/14/12 14:30	108-88-3	
1,1,1-Trichloroethane	<b>3.2U</b>	ug/kg	6.1	3.2	1		09/14/12 14:30	71-55-6	
1,1,2-Trichloroethane	<b>1.1U</b>	ug/kg	6.1	1.1	1		09/14/12 14:30	79-00-5	
Trichloroethene	<b>0.92U</b>	ug/kg	6.1	0.92	1		09/14/12 14:30	79-01-6	
Vinyl chloride	<b>0.99U</b>	ug/kg	6.1	0.99	1		09/14/12 14:30	75-01-4	
Xylene (Total)	<b>4.7J</b>	ug/kg	18.3	3.7	1		09/14/12 14:30	1330-20-7	
m&p-Xylene	<b>4.7J</b>	ug/kg	12.2	2.4	1		09/14/12 14:30	179601-23-1	
o-Xylene	<b>1.4U</b>	ug/kg	6.1	1.4	1		09/14/12 14:30	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	125	%	70-130		1		09/14/12 14:30	2037-26-5	
4-Bromofluorobenzene (S)	117	%	70-130		1		09/14/12 14:30	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-130		1		09/14/12 14:30	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>20.9</b>	%	0.10	0.10	1		09/18/12 20:00		

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-1 4.5**      **Lab ID: 3077070009**      Collected: 09/07/12 11:17      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>6.4J</b>	mg/kg	8.5	5.0	1	09/13/12 09:30	09/17/12 18:21		
<b>Surrogates</b>									
o-Terphenyl (S)	63 %		50-150		1	09/13/12 09:30	09/17/12 18:21	84-15-1	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>8.3J</b>	mg/kg	10.4	2.3	1	09/18/12 13:37	09/18/12 18:36		
TPH (C06-C10)	<b>9.4J</b>	mg/kg	10.4	2.4	1	09/18/12 13:37	09/18/12 18:36		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96 %		70-130		1	09/18/12 13:37	09/18/12 18:36	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B    Preparation Method: EPA 3050									
Antimony	<b>0.48U</b>	mg/kg	0.64	0.48	1	09/12/12 11:39	09/13/12 09:06	7440-36-0	
Arsenic	<b>21.5</b>	mg/kg	0.53	0.49	1	09/12/12 11:39	09/13/12 09:06	7440-38-2	
Beryllium	<b>1.5</b>	mg/kg	0.21	0.18	1	09/12/12 11:39	09/13/12 09:06	7440-41-7	
Cadmium	<b>0.24U</b>	mg/kg	0.32	0.24	1	09/12/12 11:39	09/13/12 09:06	7440-43-9	
Chromium	<b>33.3</b>	mg/kg	0.53	0.22	1	09/12/12 11:39	09/13/12 09:06	7440-47-3	
Copper	<b>13.3</b>	mg/kg	1.1	0.27	1	09/12/12 11:39	09/13/12 09:06	7440-50-8	
Lead	<b>26.8</b>	mg/kg	0.53	0.45	1	09/12/12 11:39	09/13/12 09:06	7439-92-1	
Nickel	<b>22.6</b>	mg/kg	2.1	0.46	1	09/12/12 11:39	09/13/12 09:06	7440-02-0	
Selenium	<b>1.3</b>	mg/kg	0.85	0.49	1	09/12/12 11:39	09/13/12 09:06	7782-49-2	
Silver	<b>0.20U</b>	mg/kg	0.64	0.20	1	09/12/12 11:39	09/13/12 09:06	7440-22-4	
Thallium	<b>0.75U</b>	mg/kg	2.1	0.75	1	09/12/12 11:39	09/13/12 09:06	7440-28-0	
Zinc	<b>42.3</b>	mg/kg	1.1	0.20	1	09/12/12 11:39	09/13/12 09:06	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Mercury	<b>0.070J</b>	mg/kg	0.12	0.0016	1	09/13/12 13:23	09/14/12 09:16	7439-97-6	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>78.3</b>	ug/kg	11.6	2.3	1		09/12/12 19:01	67-64-1	
Benzene	<b>1.1J</b>	ug/kg	5.8	0.90	1		09/12/12 19:01	71-43-2	
Bromodichloromethane	<b>2.1U</b>	ug/kg	5.8	2.1	1		09/12/12 19:01	75-27-4	
Bromoform	<b>2.9U</b>	ug/kg	5.8	2.9	1		09/12/12 19:01	75-25-2	
Bromomethane	<b>3.4U</b>	ug/kg	5.8	3.4	1		09/12/12 19:01	74-83-9	
TOTAL BTEX	<b>8.2U</b>	ug/kg	34.7	8.2	1		09/12/12 19:01		
2-Butanone (MEK)	<b>1.5U</b>	ug/kg	11.6	1.5	1		09/12/12 19:01	78-93-3	
Carbon disulfide	<b>0.89U</b>	ug/kg	5.8	0.89	1		09/12/12 19:01	75-15-0	
Carbon tetrachloride	<b>1.0U</b>	ug/kg	5.8	1.0	1		09/12/12 19:01	56-23-5	
Chlorobenzene	<b>1.1U</b>	ug/kg	5.8	1.1	1		09/12/12 19:01	108-90-7	
Chloroethane	<b>1.9U</b>	ug/kg	5.8	1.9	1		09/12/12 19:01	75-00-3	
Chloroform	<b>0.82U</b>	ug/kg	5.8	0.82	1		09/12/12 19:01	67-66-3	
Chloromethane	<b>1.2U</b>	ug/kg	5.8	1.2	1		09/12/12 19:01	74-87-3	
Dibromochloromethane	<b>1.8U</b>	ug/kg	5.8	1.8	1		09/12/12 19:01	124-48-1	
1,2-Dichlorobenzene	<b>1.3U</b>	ug/kg	5.8	1.3	1		09/12/12 19:01	95-50-1	
1,3-Dichlorobenzene	<b>1.5U</b>	ug/kg	5.8	1.5	1		09/12/12 19:01	541-73-1	
1,4-Dichlorobenzene	<b>1.4U</b>	ug/kg	5.8	1.4	1		09/12/12 19:01	106-46-7	

Date: 09/26/2012 10:57 AM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-1 4.5**      **Lab ID: 3077070009**      Collected: 09/07/12 11:17      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
1,1-Dichloroethane	<b>0.92U</b>	ug/kg	5.8	0.92	1		09/12/12 19:01	75-34-3	
1,2-Dichloroethane	<b>1.1U</b>	ug/kg	5.8	1.1	1		09/12/12 19:01	107-06-2	
1,2-Dichloroethene (Total)	<b>3.8U</b>	ug/kg	11.6	3.8	1		09/12/12 19:01	540-59-0	
1,1-Dichloroethene	<b>0.94U</b>	ug/kg	5.8	0.94	1		09/12/12 19:01	75-35-4	
cis-1,2-Dichloroethene	<b>2.8U</b>	ug/kg	5.8	2.8	1		09/12/12 19:01	156-59-2	
trans-1,2-Dichloroethene	<b>0.95U</b>	ug/kg	5.8	0.95	1		09/12/12 19:01	156-60-5	
1,2-Dichloropropane	<b>1.9U</b>	ug/kg	5.8	1.9	1		09/12/12 19:01	78-87-5	
cis-1,3-Dichloropropene	<b>1.8U</b>	ug/kg	5.8	1.8	1		09/12/12 19:01	10061-01-5	
trans-1,3-Dichloropropene	<b>1.9U</b>	ug/kg	5.8	1.9	1		09/12/12 19:01	10061-02-6	
Ethylbenzene	<b>3.0U</b>	ug/kg	5.8	3.0	1		09/12/12 19:01	100-41-4	
2-Hexanone	<b>1.4U</b>	ug/kg	11.6	1.4	1		09/12/12 19:01	591-78-6	
Methylene Chloride	<b>1.5U</b>	ug/kg	5.8	1.5	1		09/12/12 19:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>1.2U</b>	ug/kg	11.6	1.2	1		09/12/12 19:01	108-10-1	
Methyl-tert-butyl ether	<b>0.82U</b>	ug/kg	5.8	0.82	1		09/12/12 19:01	1634-04-4	
Styrene	<b>1.3U</b>	ug/kg	5.8	1.3	1		09/12/12 19:01	100-42-5	
1,1,2,2-Tetrachloroethane	<b>1.0U</b>	ug/kg	5.8	1.0	1		09/12/12 19:01	79-34-5	
Tetrachloroethene	<b>0.84U</b>	ug/kg	5.8	0.84	1		09/12/12 19:01	127-18-4	
Toluene	<b>0.74U</b>	ug/kg	5.8	0.74	1		09/12/12 19:01	108-88-3	
1,1,1-Trichloroethane	<b>3.0U</b>	ug/kg	5.8	3.0	1		09/12/12 19:01	71-55-6	
1,1,2-Trichloroethane	<b>1.1U</b>	ug/kg	5.8	1.1	1		09/12/12 19:01	79-00-5	
Trichloroethene	<b>0.87U</b>	ug/kg	5.8	0.87	1		09/12/12 19:01	79-01-6	
Vinyl chloride	<b>0.93U</b>	ug/kg	5.8	0.93	1		09/12/12 19:01	75-01-4	
Xylene (Total)	<b>3.5U</b>	ug/kg	17.3	3.5	1		09/12/12 19:01	1330-20-7	
m&p-Xylene	<b>2.2U</b>	ug/kg	11.6	2.2	1		09/12/12 19:01	179601-23-1	
o-Xylene	<b>1.3U</b>	ug/kg	5.8	1.3	1		09/12/12 19:01	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	108	%	70-130		1		09/12/12 19:01	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		09/12/12 19:01	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		09/12/12 19:01	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>22.6</b>	%	0.10	0.10	1		09/18/12 20:01		

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-12 2**      **Lab ID: 3077070010**      Collected: 09/07/12 11:24      Received: 09/10/12 10:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>7.8J</b>	mg/kg	8.2	4.9	1	09/13/12 09:30	09/17/12 18:30		
<b>Surrogates</b>									
o-Terphenyl (S)	76 %		50-150		1	09/13/12 09:30	09/17/12 18:30	84-15-1	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>2.9J</b>	mg/kg	11.5	2.6	1	09/18/12 13:37	09/18/12 18:52		
TPH (C06-C10)	<b>3.4J</b>	mg/kg	11.5	2.6	1	09/18/12 13:37	09/18/12 18:52		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92 %		70-130		1	09/18/12 13:37	09/18/12 18:52	460-00-4	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>2.1U</b>	ug/kg	10.5	2.1	1		09/12/12 19:28	67-64-1	
Benzene	<b>0.82U</b>	ug/kg	5.3	0.82	1		09/12/12 19:28	71-43-2	
Bromodichloromethane	<b>1.9U</b>	ug/kg	5.3	1.9	1		09/12/12 19:28	75-27-4	
Bromoform	<b>2.7U</b>	ug/kg	5.3	2.7	1		09/12/12 19:28	75-25-2	
Bromomethane	<b>3.1U</b>	ug/kg	5.3	3.1	1		09/12/12 19:28	74-83-9	
TOTAL BTEX	<b>7.4U</b>	ug/kg	31.5	7.4	1		09/12/12 19:28		
2-Butanone (MEK)	<b>1.3U</b>	ug/kg	10.5	1.3	1		09/12/12 19:28	78-93-3	
Carbon disulfide	<b>0.81U</b>	ug/kg	5.3	0.81	1		09/12/12 19:28	75-15-0	
Carbon tetrachloride	<b>0.94U</b>	ug/kg	5.3	0.94	1		09/12/12 19:28	56-23-5	
Chlorobenzene	<b>1.0U</b>	ug/kg	5.3	1.0	1		09/12/12 19:28	108-90-7	
Chloroethane	<b>1.7U</b>	ug/kg	5.3	1.7	1		09/12/12 19:28	75-00-3	
Chloroform	<b>0.75U</b>	ug/kg	5.3	0.75	1		09/12/12 19:28	67-66-3	
Chloromethane	<b>1.1U</b>	ug/kg	5.3	1.1	1		09/12/12 19:28	74-87-3	
Dibromochloromethane	<b>1.6U</b>	ug/kg	5.3	1.6	1		09/12/12 19:28	124-48-1	
1,2-Dichlorobenzene	<b>1.1U</b>	ug/kg	5.3	1.1	1		09/12/12 19:28	95-50-1	
1,3-Dichlorobenzene	<b>1.3U</b>	ug/kg	5.3	1.3	1		09/12/12 19:28	541-73-1	
1,4-Dichlorobenzene	<b>1.3U</b>	ug/kg	5.3	1.3	1		09/12/12 19:28	106-46-7	
1,1-Dichloroethane	<b>0.83U</b>	ug/kg	5.3	0.83	1		09/12/12 19:28	75-34-3	
1,2-Dichloroethane	<b>0.96U</b>	ug/kg	5.3	0.96	1		09/12/12 19:28	107-06-2	
1,2-Dichloroethene (Total)	<b>3.4U</b>	ug/kg	10.5	3.4	1		09/12/12 19:28	540-59-0	
1,1-Dichloroethene	<b>0.85U</b>	ug/kg	5.3	0.85	1		09/12/12 19:28	75-35-4	
cis-1,2-Dichloroethene	<b>2.6U</b>	ug/kg	5.3	2.6	1		09/12/12 19:28	156-59-2	
trans-1,2-Dichloroethene	<b>0.86U</b>	ug/kg	5.3	0.86	1		09/12/12 19:28	156-60-5	
1,2-Dichloropropane	<b>1.7U</b>	ug/kg	5.3	1.7	1		09/12/12 19:28	78-87-5	
cis-1,3-Dichloropropene	<b>1.7U</b>	ug/kg	5.3	1.7	1		09/12/12 19:28	10061-01-5	
trans-1,3-Dichloropropene	<b>1.7U</b>	ug/kg	5.3	1.7	1		09/12/12 19:28	10061-02-6	
Ethylbenzene	<b>2.7U</b>	ug/kg	5.3	2.7	1		09/12/12 19:28	100-41-4	
2-Hexanone	<b>1.2U</b>	ug/kg	10.5	1.2	1		09/12/12 19:28	591-78-6	
Methylene Chloride	<b>1.4U</b>	ug/kg	5.3	1.4	1		09/12/12 19:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>1.1U</b>	ug/kg	10.5	1.1	1		09/12/12 19:28	108-10-1	
Methyl-tert-butyl ether	<b>0.75U</b>	ug/kg	5.3	0.75	1		09/12/12 19:28	1634-04-4	
Styrene	<b>1.2U</b>	ug/kg	5.3	1.2	1		09/12/12 19:28	100-42-5	
1,1,2,2-Tetrachloroethane	<b>0.93U</b>	ug/kg	5.3	0.93	1		09/12/12 19:28	79-34-5	
Tetrachloroethene	<b>0.76U</b>	ug/kg	5.3	0.76	1		09/12/12 19:28	127-18-4	

## ANALYTICAL RESULTS

Project: MUSEC PHASE II

Pace Project No.: 3077070

**Sample: B-12 2**      **Lab ID: 3077070010**      Collected: 09/07/12 11:24      Received: 09/10/12 10:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Toluene	<b>0.68U</b>	ug/kg	5.3	0.68	1		09/12/12 19:28	108-88-3	
1,1,1-Trichloroethane	<b>2.7U</b>	ug/kg	5.3	2.7	1		09/12/12 19:28	71-55-6	
1,1,2-Trichloroethane	<b>0.97U</b>	ug/kg	5.3	0.97	1		09/12/12 19:28	79-00-5	
Trichloroethene	<b>0.79U</b>	ug/kg	5.3	0.79	1		09/12/12 19:28	79-01-6	
Vinyl chloride	<b>0.85U</b>	ug/kg	5.3	0.85	1		09/12/12 19:28	75-01-4	
Xylene (Total)	<b>3.2U</b>	ug/kg	15.8	3.2	1		09/12/12 19:28	1330-20-7	
m&p-Xylene	<b>2.0U</b>	ug/kg	10.5	2.0	1		09/12/12 19:28	179601-23-1	
o-Xylene	<b>1.2U</b>	ug/kg	5.3	1.2	1		09/12/12 19:28	95-47-6	
<b>Surrogates</b>									
Toluene-d8 (S)	96 %		70-130		1		09/12/12 19:28	2037-26-5	
4-Bromofluorobenzene (S)	97 %		70-130		1		09/12/12 19:28	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		70-130		1		09/12/12 19:28	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>20.1</b>	%	0.10	0.10	1		09/18/12 20:02		

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: GCV/1807 Analysis Method: EPA 8015B Modified  
 QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics  
 Associated Lab Samples: 3077070002, 3077070003, 3077070004, 3077070005, 3077070006, 3077070008, 3077070009, 3077070010

METHOD BLANK: 488286 Matrix: Solid  
 Associated Lab Samples: 3077070002, 3077070003, 3077070004, 3077070005, 3077070006, 3077070008, 3077070009, 3077070010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	2.2U	10.0	09/18/12 15:48	
TPH (C06-C10)	mg/kg	2.4J	10.0	09/18/12 15:48	
4-Bromofluorobenzene (S)	%	102	70-130	09/18/12 15:48	

LABORATORY CONTROL SAMPLE: 488287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	50	46.0	92	70-130	
TPH (C06-C10)	mg/kg	50	46.4	93	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 488288 488289

Parameter	Units	3076794001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Gasoline Range Organics	mg/kg	ND	90.6	90.6	90.3	92.1	95	97	70-130	2	30	
TPH (C06-C10)	mg/kg	ND	90.6	90.6	92.7	94.4	97	98	70-130	2	30	
4-Bromofluorobenzene (S)	%						96	97	70-130			

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: GCV/1804      Analysis Method: EPA 5030/8015 Mod.  
 QC Batch Method: EPA 5030/8015 Mod.      Analysis Description: Gasoline Range Organics  
 Associated Lab Samples: 3077070001, 3077070007

METHOD BLANK: 485708      Matrix: Water

Associated Lab Samples: 3077070001, 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C10)	ug/L	42.6J	200	09/12/12 11:41	
4-Bromofluorobenzene (S)	%	107	70-130	09/12/12 11:41	

LABORATORY CONTROL SAMPLE: 485709

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C10)	ug/L	1000	1000	100	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 485710      485711

Parameter	Units	3076895004		MS		MSD		% Rec		Max		Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec	Limits	RPD	RPD	
TPH (C06-C10)	ug/L	5970	5000	5000	9370	11000	68	100	70-130	16	30	M0
4-Bromofluorobenzene (S)	%						92	109	70-130			



### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: MERP/3859

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 3077070007

METHOD BLANK: 486158

Matrix: Water

Associated Lab Samples: 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.028U	0.20	09/13/12 13:02	

LABORATORY CONTROL SAMPLE: 486159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	103	85-115	

MATRIX SPIKE SAMPLE: 486161

Parameter	Units	3077080001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.6	106	85-115	

SAMPLE DUPLICATE: 486160

Parameter	Units	3077080001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	0.028U		20	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: MERP/3862

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Associated Lab Samples: 3077070002, 3077070003, 3077070005, 3077070006, 3077070009

METHOD BLANK: 486383

Matrix: Solid

Associated Lab Samples: 3077070002, 3077070003, 3077070005, 3077070006, 3077070009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.0013U	0.10	09/14/12 08:45	

LABORATORY CONTROL SAMPLE: 486384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.042	0.041J	99	85-115	

MATRIX SPIKE SAMPLE: 486386

Parameter	Units	3076920002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.19	.12	0.29	83	75-125	

SAMPLE DUPLICATE: 486385

Parameter	Units	3076920002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.19	0.21	8	20	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: MPRP/9066 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 3077070002, 3077070003, 3077070005, 3077070006, 3077070009

METHOD BLANK: 485749 Matrix: Solid

Associated Lab Samples: 3077070002, 3077070003, 3077070005, 3077070006, 3077070009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	0.45U	0.60	09/13/12 08:35	
Arsenic	mg/kg	0.46U	0.50	09/13/12 08:35	
Beryllium	mg/kg	0.17U	0.20	09/13/12 08:35	
Cadmium	mg/kg	0.23U	0.30	09/13/12 08:35	
Chromium	mg/kg	0.21U	0.50	09/13/12 08:35	
Copper	mg/kg	0.26U	1.0	09/13/12 08:35	
Lead	mg/kg	0.42U	0.50	09/13/12 08:35	
Nickel	mg/kg	0.43U	2.0	09/13/12 08:35	
Selenium	mg/kg	0.46U	0.80	09/13/12 08:35	
Silver	mg/kg	0.19U	0.60	09/13/12 08:35	
Thallium	mg/kg	0.71U	2.0	09/13/12 08:35	
Zinc	mg/kg	0.28J	1.0	09/13/12 08:35	

LABORATORY CONTROL SAMPLE: 485750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	49.7	99	80-120	
Arsenic	mg/kg	50	50.8	102	80-120	
Beryllium	mg/kg	50	52.9	106	80-120	
Cadmium	mg/kg	50	50.6	101	80-120	
Chromium	mg/kg	50	52.3	105	80-120	
Copper	mg/kg	50	52.6	105	80-120	
Lead	mg/kg	50	51.2	102	80-120	
Nickel	mg/kg	50	53.2	106	80-120	
Selenium	mg/kg	50	49.6	99	80-120	
Silver	mg/kg	25	25.0	100	80-120	
Thallium	mg/kg	50	49.7	99	80-120	
Zinc	mg/kg	50	52.4	105	80-120	

MATRIX SPIKE SAMPLE: 485752

Parameter	Units	3077070002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	0.46U	45.7	17.8	38	80-120	M1
Arsenic	mg/kg	12.8	45.7	50.2	82	80-120	
Cadmium	mg/kg	0.23U	45.7	39.5	86	80-120	
Chromium	mg/kg	33.8	45.7	74.8	90	80-120	
Copper	mg/kg	6.0	45.7	47.8	91	80-120	
Lead	mg/kg	25.5	45.7	70.3	98	80-120	
Nickel	mg/kg	14.4	45.7	56.0	91	80-120	
Selenium	mg/kg	1.2	45.7	39.9	84	80-120	

Date: 09/26/2012 10:57 AM

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

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MATRIX SPIKE SAMPLE: 485752

Parameter	Units	3077070002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Silver	mg/kg	0.20J	22.9	20.2	87	80-120	
Thallium	mg/kg	0.72U	45.7	43.0	94	80-120	
Zinc	mg/kg	28.9	45.7	73.8	98	80-120	

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SAMPLE DUPLICATE: 485751

Parameter	Units	3077070002 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	mg/kg	0.46U	0.53U		20	
Arsenic	mg/kg	12.8	17.0	28	20	D6
Cadmium	mg/kg	0.23U	0.27U		20	
Chromium	mg/kg	33.8	41.9	22	20	D6
Copper	mg/kg	6.0	7.4	22	20	D6
Lead	mg/kg	25.5	32.3	24	20	D6
Nickel	mg/kg	14.4	9.8	38	20	D6
Selenium	mg/kg	1.2	0.77J		20	
Silver	mg/kg	0.20J	0.23U		20	
Thallium	mg/kg	0.72U	0.83U		20	
Zinc	mg/kg	28.9	29.0	.2	20	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II  
Pace Project No.: 3077070

QC Batch: MPRP/9068 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3005 Analysis Description: 6010 MET  
Associated Lab Samples: 3077070007

METHOD BLANK: 485769 Matrix: Water  
Associated Lab Samples: 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	3.3U	6.0	09/12/12 15:04	
Arsenic	ug/L	3.6U	5.0	09/12/12 15:04	
Beryllium	ug/L	0.24U	1.0	09/12/12 15:04	
Cadmium	ug/L	1.3U	3.0	09/12/12 15:04	
Chromium	ug/L	0.90U	5.0	09/12/12 15:04	
Copper	ug/L	2.0U	5.0	09/12/12 15:04	
Lead	ug/L	3.2U	5.0	09/12/12 15:04	
Nickel	ug/L	1.4U	10.0	09/12/12 15:04	
Thallium	ug/L	3.9U	10.0	09/12/12 15:04	
Zinc	ug/L	1.9J	10.0	09/12/12 15:04	

LABORATORY CONTROL SAMPLE: 485770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	492	98	80-120	
Arsenic	ug/L	500	513	103	80-120	
Beryllium	ug/L	500	521	104	80-120	
Cadmium	ug/L	500	508	102	80-120	
Chromium	ug/L	500	510	102	80-120	
Copper	ug/L	500	510	102	80-120	
Lead	ug/L	500	505	101	80-120	
Nickel	ug/L	500	524	105	80-120	
Thallium	ug/L	500	498	100	80-120	
Zinc	ug/L	500	527	105	80-120	

MATRIX SPIKE SAMPLE: 485772

Parameter	Units	3077103001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	502	100	80-120	
Arsenic	ug/L	ND	500	538	107	80-120	
Cadmium	ug/L	ND	500	516	103	80-120	
Chromium	ug/L	ND	500	525	105	80-120	
Copper	ug/L	ND	500	521	104	80-120	
Lead	ug/L	ND	500	522	104	80-120	
Nickel	ug/L	ND	500	534	106	80-120	
Zinc	ug/L	ND	500	543	107	80-120	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

SAMPLE DUPLICATE: 485771

Parameter	Units	3077103001 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	3.3U		20	
Arsenic	ug/L	ND	3.6U		20	
Cadmium	ug/L	ND	1.3U		20	
Chromium	ug/L	ND	1.4J		20	
Copper	ug/L	ND	2.3J		20	
Lead	ug/L	ND	3.2U		20	
Nickel	ug/L	ND	1.4U		20	
Zinc	ug/L	ND	8.7J		20	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: MSV/13923 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low  
Associated Lab Samples: 3077070003, 3077070004, 3077070009, 3077070010

METHOD BLANK: 486276 Matrix: Solid  
Associated Lab Samples: 3077070003, 3077070004, 3077070009, 3077070010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	2.6U	5.0	09/12/12 15:29	
1,1,2,2-Tetrachloroethane	ug/kg	0.89U	5.0	09/12/12 15:29	
1,1,2-Trichloroethane	ug/kg	0.92U	5.0	09/12/12 15:29	
1,1-Dichloroethane	ug/kg	0.79U	5.0	09/12/12 15:29	
1,1-Dichloroethene	ug/kg	0.81U	5.0	09/12/12 15:29	
1,2-Dichlorobenzene	ug/kg	1.1U	5.0	09/12/12 15:29	
1,2-Dichloroethane	ug/kg	0.91U	5.0	09/12/12 15:29	
1,2-Dichloropropane	ug/kg	1.6U	5.0	09/12/12 15:29	
1,3-Dichlorobenzene	ug/kg	1.3U	5.0	09/12/12 15:29	
1,4-Dichlorobenzene	ug/kg	1.2U	5.0	09/12/12 15:29	
2-Butanone (MEK)	ug/kg	1.3U	10.0	09/12/12 15:29	
2-Hexanone	ug/kg	1.2U	10.0	09/12/12 15:29	
4-Methyl-2-pentanone (MIBK)	ug/kg	1.0U	10.0	09/12/12 15:29	
Acetone	ug/kg	2.0U	10.0	09/12/12 15:29	
Benzene	ug/kg	0.78U	5.0	09/12/12 15:29	
Bromodichloromethane	ug/kg	1.8U	5.0	09/12/12 15:29	
Bromoform	ug/kg	2.5U	5.0	09/12/12 15:29	
Bromomethane	ug/kg	2.9U	5.0	09/12/12 15:29	
Carbon disulfide	ug/kg	0.77U	5.0	09/12/12 15:29	
Carbon tetrachloride	ug/kg	0.89U	5.0	09/12/12 15:29	
Chlorobenzene	ug/kg	0.99U	5.0	09/12/12 15:29	
Chloroethane	ug/kg	1.6U	5.0	09/12/12 15:29	
Chloroform	ug/kg	0.71U	5.0	09/12/12 15:29	
Chloromethane	ug/kg	1.0U	5.0	09/12/12 15:29	
cis-1,2-Dichloroethene	ug/kg	2.5U	5.0	09/12/12 15:29	
cis-1,3-Dichloropropene	ug/kg	1.6U	5.0	09/12/12 15:29	
Dibromochloromethane	ug/kg	1.5U	5.0	09/12/12 15:29	
Ethylbenzene	ug/kg	2.6U	5.0	09/12/12 15:29	
m&p-Xylene	ug/kg	1.9U	10.0	09/12/12 15:29	
Methyl-tert-butyl ether	ug/kg	0.71U	5.0	09/12/12 15:29	
Methylene Chloride	ug/kg	1.3U	5.0	09/12/12 15:29	
o-Xylene	ug/kg	1.1U	5.0	09/12/12 15:29	
Styrene	ug/kg	1.1U	5.0	09/12/12 15:29	
Tetrachloroethane	ug/kg	0.73U	5.0	09/12/12 15:29	
Toluene	ug/kg	0.64U	5.0	09/12/12 15:29	
TOTAL BTEX	ug/kg	7.0U	30.0	09/12/12 15:29	
trans-1,2-Dichloroethene	ug/kg	0.82U	5.0	09/12/12 15:29	
trans-1,3-Dichloropropene	ug/kg	1.6U	5.0	09/12/12 15:29	
Trichloroethene	ug/kg	1.3J	5.0	09/12/12 15:29	
Vinyl chloride	ug/kg	0.81U	5.0	09/12/12 15:29	
Xylene (Total)	ug/kg	3.1U	15.0	09/12/12 15:29	
1,2-Dichloroethane-d4 (S)	%	100	70-130	09/12/12 15:29	
4-Bromofluorobenzene (S)	%	100	70-130	09/12/12 15:29	

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

METHOD BLANK: 486276

Matrix: Solid

Associated Lab Samples: 3077070003, 3077070004, 3077070009, 3077070010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	97	70-130	09/12/12 15:29	

LABORATORY CONTROL SAMPLE: 486277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	33.3	167	55-141	L3
1,1,2,2-Tetrachloroethane	ug/kg	20	28.0	140	58-124	L3
1,1,2-Trichloroethane	ug/kg	20	30.3	151	70-118	L3
1,1-Dichloroethane	ug/kg	20	31.6	158	64-127	L3
1,1-Dichloroethene	ug/kg	20	37.7	188	50-133	L3
1,2-Dichlorobenzene	ug/kg	20	32.5	162	67-122	L3
1,2-Dichloroethane	ug/kg	20	29.3	147	54-132	L3
1,2-Dichloropropane	ug/kg	20	31.2	156	68-112	L3
1,3-Dichlorobenzene	ug/kg	20	32.5	163	65-127	L3
1,4-Dichlorobenzene	ug/kg	20	32.6	163	66-127	L3
2-Butanone (MEK)	ug/kg	20	27.7	139	54-135	L3
2-Hexanone	ug/kg	20	24.5	123	58-148	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	26.1	131	55-142	
Acetone	ug/kg	20	18.1	90	39-200	
Benzene	ug/kg	20	33.4	167	65-130	L3
Bromodichloromethane	ug/kg	20	28.9	144	57-125	L3
Bromoform	ug/kg	20	25.3	127	53-121	L3
Bromomethane	ug/kg	20	51.4	257	30-167	L3
Carbon disulfide	ug/kg	20	40.0	200	49-150	L3
Carbon tetrachloride	ug/kg	20	33.4	167	47-146	L3
Chlorobenzene	ug/kg	20	32.2	161	67-124	L3
Chloroethane	ug/kg	20	30.8	154	34-170	
Chloroform	ug/kg	20	31.4	157	63-128	L3
Chloromethane	ug/kg	20	32.3	162	39-159	L3
cis-1,2-Dichloroethene	ug/kg	20	31.3	157	64-126	L3
cis-1,3-Dichloropropene	ug/kg	20	30.3	152	66-124	L3
Dibromochloromethane	ug/kg	20	26.7	134	56-122	L3
Ethylbenzene	ug/kg	20	34.6	173	65-131	L3
m&p-Xylene	ug/kg	40	69.9	175	63-136	L3
Methyl-tert-butyl ether	ug/kg	20	26.7	134	71-130	L3
Methylene Chloride	ug/kg	20	32.8	164	45-136	L3
o-Xylene	ug/kg	20	33.6	168	68-129	L3
Styrene	ug/kg	20	40.9	205	64-122	L3
Tetrachloroethene	ug/kg	20	35.6	178	61-138	L3
Toluene	ug/kg	20	32.3	161	63-132	L3
TOTAL BTEX	ug/kg		204			
trans-1,2-Dichloroethene	ug/kg	20	32.1	161	60-130	L3
trans-1,3-Dichloropropene	ug/kg	20	27.0	135	58-116	L3
Trichloroethene	ug/kg	20	33.7	169	65-131	L3
Vinyl chloride	ug/kg	20	33.8	169	49-149	L3



### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

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LABORATORY CONTROL SAMPLE: 486277

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/kg	60	103	172	65-134	LS
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: MSV/13950 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low  
Associated Lab Samples: 3077070002, 3077070005, 3077070006, 3077070008

METHOD BLANK: 487579 Matrix: Solid  
Associated Lab Samples: 3077070002, 3077070005, 3077070006, 3077070008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	2.6U	5.0	09/14/12 11:31	
1,1,2,2-Tetrachloroethane	ug/kg	0.89U	5.0	09/14/12 11:31	
1,1,2-Trichloroethane	ug/kg	0.92U	5.0	09/14/12 11:31	
1,1-Dichloroethane	ug/kg	0.79U	5.0	09/14/12 11:31	
1,1-Dichloroethene	ug/kg	0.81U	5.0	09/14/12 11:31	
1,2-Dichlorobenzene	ug/kg	1.1U	5.0	09/14/12 11:31	
1,2-Dichloroethane	ug/kg	0.91U	5.0	09/14/12 11:31	
1,2-Dichloropropane	ug/kg	1.6U	5.0	09/14/12 11:31	
1,3-Dichlorobenzene	ug/kg	1.3U	5.0	09/14/12 11:31	
1,4-Dichlorobenzene	ug/kg	1.2U	5.0	09/14/12 11:31	
2-Butanone (MEK)	ug/kg	1.3U	10.0	09/14/12 11:31	
2-Hexanone	ug/kg	1.2U	10.0	09/14/12 11:31	
4-Methyl-2-pentanone (MIBK)	ug/kg	1.0U	10.0	09/14/12 11:31	
Acetone	ug/kg	5.8J	10.0	09/14/12 11:31	
Benzene	ug/kg	0.78U	5.0	09/14/12 11:31	
Bromodichloromethane	ug/kg	1.8U	5.0	09/14/12 11:31	
Bromoform	ug/kg	2.5U	5.0	09/14/12 11:31	
Bromomethane	ug/kg	2.9U	5.0	09/14/12 11:31	
Carbon disulfide	ug/kg	0.77U	5.0	09/14/12 11:31	
Carbon tetrachloride	ug/kg	0.89U	5.0	09/14/12 11:31	
Chlorobenzene	ug/kg	0.99U	5.0	09/14/12 11:31	
Chloroethane	ug/kg	1.6U	5.0	09/14/12 11:31	
Chloroform	ug/kg	0.71U	5.0	09/14/12 11:31	
Chloromethane	ug/kg	1.0U	5.0	09/14/12 11:31	
cis-1,2-Dichloroethene	ug/kg	2.5U	5.0	09/14/12 11:31	
cis-1,3-Dichloropropene	ug/kg	1.6U	5.0	09/14/12 11:31	
Dibromochloromethane	ug/kg	1.5U	5.0	09/14/12 11:31	
Ethylbenzene	ug/kg	2.6U	5.0	09/14/12 11:31	
m&p-Xylene	ug/kg	1.9U	10.0	09/14/12 11:31	
Methyl-tert-butyl ether	ug/kg	0.71U	5.0	09/14/12 11:31	
Methylene Chloride	ug/kg	1.3U	5.0	09/14/12 11:31	
o-Xylene	ug/kg	1.1U	5.0	09/14/12 11:31	
Styrene	ug/kg	1.1U	5.0	09/14/12 11:31	
Tetrachloroethene	ug/kg	0.73U	5.0	09/14/12 11:31	
Toluene	ug/kg	0.64U	5.0	09/14/12 11:31	
TOTAL BTEX	ug/kg	7.0U	30.0	09/14/12 11:31	
trans-1,2-Dichloroethene	ug/kg	0.82U	5.0	09/14/12 11:31	
trans-1,3-Dichloropropene	ug/kg	1.6U	5.0	09/14/12 11:31	
Trichloroethene	ug/kg	0.76U	5.0	09/14/12 11:31	
Vinyl chloride	ug/kg	0.81U	5.0	09/14/12 11:31	
Xylene (Total)	ug/kg	3.1U	15.0	09/14/12 11:31	
1,2-Dichloroethane-d4 (S)	%	119	70-130	09/14/12 11:31	
4-Bromofluorobenzene (S)	%	99	70-130	09/14/12 11:31	

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

METHOD BLANK: 487579

Matrix: Solid

Associated Lab Samples: 3077070002, 3077070005, 3077070006, 3077070008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	101	70-130	09/14/12 11:31	

LABORATORY CONTROL SAMPLE: 487580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	20.4	102	55-141	
1,1,2,2-Tetrachloroethane	ug/kg	20	19.0	95	58-124	
1,1,2-Trichloroethane	ug/kg	20	18.8	94	70-118	
1,1-Dichloroethane	ug/kg	20	18.6	93	64-127	
1,1-Dichloroethene	ug/kg	20	19.8	99	50-133	
1,2-Dichlorobenzene	ug/kg	20	17.7	88	67-122	
1,2-Dichloroethane	ug/kg	20	19.0	95	54-132	
1,2-Dichloropropane	ug/kg	20	17.6	88	68-112	
1,3-Dichlorobenzene	ug/kg	20	18.2	91	65-127	
1,4-Dichlorobenzene	ug/kg	20	17.9	90	66-127	
2-Butanone (MEK)	ug/kg	20	21.1	106	54-135	
2-Hexanone	ug/kg	20	21.2	106	58-148	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	17.0	85	55-142	
Acetone	ug/kg	20	27.8	139	39-200	
Benzene	ug/kg	20	18.1	91	65-130	
Bromodichloromethane	ug/kg	20	18.5	93	57-125	
Bromoform	ug/kg	20	20.1	101	53-121	
Bromomethane	ug/kg	20	13.1	66	30-167	
Carbon disulfide	ug/kg	20	19.2	96	49-150	
Carbon tetrachloride	ug/kg	20	20.3	102	47-146	
Chlorobenzene	ug/kg	20	18.6	93	67-124	
Chloroethane	ug/kg	20	18.7	94	34-170	
Chloroform	ug/kg	20	18.9	95	63-128	
Chloromethane	ug/kg	20	16.2	81	39-159	
cis-1,2-Dichloroethene	ug/kg	20	19.0	95	64-126	
cis-1,3-Dichloropropene	ug/kg	20	18.3	92	66-124	
Dibromochloromethane	ug/kg	20	18.9	95	56-122	
Ethylbenzene	ug/kg	20	18.3	92	65-131	
m&p-Xylene	ug/kg	40	37.6	94	63-136	
Methyl-tert-butyl ether	ug/kg	20	17.4	87	71-130	
Methylene Chloride	ug/kg	20	17.2	86	45-136	
o-Xylene	ug/kg	20	18.9	95	68-129	
Styrene	ug/kg	20	17.7	88	64-122	
Tetrachloroethene	ug/kg	20	18.6	93	61-138	
Toluene	ug/kg	20	18.3	92	63-132	
TOTAL BTEX	ug/kg		111			
trans-1,2-Dichloroethene	ug/kg	20	18.6	93	60-130	
trans-1,3-Dichloropropene	ug/kg	20	19.4	97	58-116	
Trichloroethene	ug/kg	20	17.7	88	65-131	
Vinyl chloride	ug/kg	20	18.9	95	49-149	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

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LABORATORY CONTROL SAMPLE: 487580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/kg	60	56.5	94	65-134	
1,2-Dichloroethane-d4 (S)	%			119	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: MSV/13916 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 3077070001, 3077070007

METHOD BLANK: 485899 Matrix: Water

Associated Lab Samples: 3077070001, 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	mg/L	0.00019U	0.0010	09/12/12 14:28	
1,1,2,2-Tetrachloroethane	mg/L	0.00022U	0.0010	09/12/12 14:28	
1,1,2-Trichloroethane	mg/L	0.00023U	0.0010	09/12/12 14:28	
1,1-Dichloroethane	mg/L	0.00016U	0.0010	09/12/12 14:28	
1,1-Dichloroethene	mg/L	0.00014U	0.0010	09/12/12 14:28	
1,2,4-Trichlorobenzene	mg/L	0.00033U	0.0010	09/12/12 14:28	
1,2,4-Trimethylbenzene	mg/L	0.00013U	0.0010	09/12/12 14:28	
1,2-Dichlorobenzene	mg/L	0.00023U	0.0010	09/12/12 14:28	
1,2-Dichloroethane	mg/L	0.00014U	0.0010	09/12/12 14:28	
1,2-Dichloropropane	mg/L	0.00023U	0.0010	09/12/12 14:28	
1,3,5-Trimethylbenzene	mg/L	0.00012U	0.0010	09/12/12 14:28	
1,3-Dichlorobenzene	mg/L	0.00026U	0.0010	09/12/12 14:28	
1,4-Dichlorobenzene	mg/L	0.00017U	0.0010	09/12/12 14:28	
2-Butanone (MEK)	mg/L	0.0011U	0.010	09/12/12 14:28	
2-Hexanone	mg/L	0.00034U	0.010	09/12/12 14:28	
4-Methyl-2-pentanone (MIBK)	mg/L	0.00029U	0.010	09/12/12 14:28	
Acetone	mg/L	0.0026U	0.010	09/12/12 14:28	
Benzene	mg/L	0.000065U	0.0010	09/12/12 14:28	
Bromochloromethane	mg/L	0.00022U	0.0010	09/12/12 14:28	
Bromodichloromethane	mg/L	0.00015U	0.0010	09/12/12 14:28	
Bromoform	mg/L	0.00025U	0.0010	09/12/12 14:28	
Bromomethane	mg/L	0.00037U	0.0010	09/12/12 14:28	
Carbon disulfide	mg/L	0.00018U	0.0010	09/12/12 14:28	
Carbon tetrachloride	mg/L	0.00024U	0.0010	09/12/12 14:28	
Chlorobenzene	mg/L	0.00012U	0.0010	09/12/12 14:28	
Chloroethane	mg/L	0.00048U	0.0010	09/12/12 14:28	
Chloroform	mg/L	0.00016U	0.0010	09/12/12 14:28	
Chloromethane	mg/L	0.00021U	0.0010	09/12/12 14:28	
cis-1,2-Dichloroethene	mg/L	0.00020U	0.0010	09/12/12 14:28	
cis-1,3-Dichloropropene	mg/L	0.00019U	0.0010	09/12/12 14:28	
Dibromochloromethane	mg/L	0.00022U	0.0010	09/12/12 14:28	
Ethanol	mg/L	0.037U	0.20	09/12/12 14:28	
Ethyl-tert-butyl ether	mg/L	0.00015U	0.0010	09/12/12 14:28	
Ethylbenzene	mg/L	0.00012U	0.0010	09/12/12 14:28	
Isopropylbenzene (Cumene)	mg/L	0.00012U	0.0010	09/12/12 14:28	
m&p-Xylene	mg/L	0.00021U	0.0020	09/12/12 14:28	
Methyl-tert-butyl ether	mg/L	0.00019U	0.0010	09/12/12 14:28	
Methylene Chloride	mg/L	0.00023U	0.0010	09/12/12 14:28	
Naphthalene	mg/L	0.00033U	0.0020	09/12/12 14:28	
o-Xylene	mg/L	0.00010U	0.0010	09/12/12 14:28	
Styrene	mg/L	0.00018U	0.0010	09/12/12 14:28	
tert-Amylmethyl ether	mg/L	0.00020U	0.0010	09/12/12 14:28	
tert-Butyl Alcohol	mg/L	0.0046U	0.0050	09/12/12 14:28	

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

METHOD BLANK: 485899

Matrix: Water

Associated Lab Samples: 3077070001, 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	mg/L	0.00012U	0.0010	09/12/12 14:28	
Toluene	mg/L	0.00011U	0.0010	09/12/12 14:28	
trans-1,2-Dichloroethene	mg/L	0.00018U	0.0010	09/12/12 14:28	
trans-1,3-Dichloropropene	mg/L	0.00023U	0.0010	09/12/12 14:28	
Trichloroethene	mg/L	0.00015U	0.0010	09/12/12 14:28	
Vinyl chloride	mg/L	0.00013U	0.0010	09/12/12 14:28	
Xylene (Total)	mg/L	0.00031U	0.0030	09/12/12 14:28	
1,2-Dichloroethane-d4 (S)	%	120	70-130	09/12/12 14:28	
4-Bromofluorobenzene (S)	%	99	70-130	09/12/12 14:28	
Toluene-d8 (S)	%	94	70-130	09/12/12 14:28	

LABORATORY CONTROL SAMPLE: 485900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/L	.02	0.019	97	64.3-127	
1,1,2,2-Tetrachloroethane	mg/L	.02	0.018	92	64.6-121	
1,1,2-Trichloroethane	mg/L	.02	0.016	82	75.6-120	
1,1-Dichloroethane	mg/L	.02	0.019	96	68.5-122	
1,1-Dichloroethene	mg/L	.02	0.020	98	57.1-120	
1,2,4-Trichlorobenzene	mg/L	.02	0.019	93	67.6-129	
1,2,4-Trimethylbenzene	mg/L	.02	0.018	88	68.9-125	
1,2-Dichlorobenzene	mg/L	.02	0.019	96	69.6-120	
1,2-Dichloroethane	mg/L	.02	0.020	101	60.5-133	
1,2-Dichloropropane	mg/L	.02	0.016	79	71-120	
1,3,5-Trimethylbenzene	mg/L	.02	0.015	77	67.3-129	
1,3-Dichlorobenzene	mg/L	.02	0.020	99	68.4-121	
1,4-Dichlorobenzene	mg/L	.02	0.019	97	68.5-123	
2-Butanone (MEK)	mg/L	.02	0.016	81	55.7-138	
2-Hexanone	mg/L	.02	0.020	101	67-133	
4-Methyl-2-pentanone (MIBK)	mg/L	.02	0.017	85	64.5-121	
Acetone	mg/L	.02	0.023	114	57.6-168	
Benzene	mg/L	.02	0.016	81	69.8-120	
Bromochloromethane	mg/L	.02	0.020	98	65.5-125	
Bromodichloromethane	mg/L	.02	0.016	82	66.5-120	
Bromoform	mg/L	.02	0.020	101	61.1-120	
Bromomethane	mg/L	.02	0.018	92	10.6-200	
Carbon disulfide	mg/L	.02	0.021	104	60.2-122	
Carbon tetrachloride	mg/L	.02	0.019	96	60.1-127	
Chlorobenzene	mg/L	.02	0.020	102	72-120	
Chloroethane	mg/L	.02	0.018	89	36.8-142	
Chloroform	mg/L	.02	0.019	93	69-122	
Chloromethane	mg/L	.02	0.016	79	37.2-129	
cis-1,2-Dichloroethene	mg/L	.02	0.019	96	69.5-123	
cis-1,3-Dichloropropene	mg/L	.02	0.016	82	74.3-120	
Dibromochloromethane	mg/L	.02	0.017	83	66.1-120	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

LABORATORY CONTROL SAMPLE: 485900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethanol	mg/L	.2	0.096J	48	28.5-198	
Ethyl-tert-butyl ether	mg/L	.02	0.019	96	76.4-127	
Ethylbenzene	mg/L	.02	0.020	102	70.9-124	
Isopropylbenzene (Cumene)	mg/L	.02	0.020	101	68.3-129	
m&p-Xylene	mg/L	.04	0.041	103	70.4-130	
Methyl-tert-butyl ether	mg/L	.02	0.019	96	66.4-144	
Methylene Chloride	mg/L	.02	0.021	107	61.5-125	
Naphthalene	mg/L	.02	0.016	82	61-135	
o-Xylene	mg/L	.02	0.021	106	70.6-127	
Styrene	mg/L	.02	0.024	121	69.9-120	L3
tert-Amylmethyl ether	mg/L	.02	0.018	88	68.6-120	
tert-Butyl Alcohol	mg/L	.1	0.12	124	51.7-152	
Tetrachloroethene	mg/L	.02	0.015	74	63.4-121	
Toluene	mg/L	.02	0.016	78	71.5-120	
trans-1,2-Dichloroethene	mg/L	.02	0.018	90	64.1-120	
trans-1,3-Dichloropropene	mg/L	.02	0.017	86	71-120	
Trichloroethene	mg/L	.02	0.015	73	65.9-120	
Vinyl chloride	mg/L	.02	0.020	101	51-127	
Xylene (Total)	mg/L	.06	0.062	104	70-129	
1,2-Dichloroethane-d4 (S)	%			115	70-130	
4-Bromofluorobenzene (S)	%			92	70-130	
Toluene-d8 (S)	%			82	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 485955 485956

Parameter	Units	3076838001		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
1,1,1-Trichloroethane	mg/L	ND	.02	.02	0.022	0.018	108	90	64.3-127	18	30		
1,1,2,2-Tetrachloroethane	mg/L	ND	.02	.02	0.019	0.019	95	94	64.6-121	2	30		
1,1,2-Trichloroethane	mg/L	ND	.02	.02	0.020	0.021	100	105	75.6-120	5	30		
1,1-Dichloroethane	mg/L	ND	.02	.02	0.017	0.018	84	90	68.5-122	7	30		
1,1-Dichloroethene	mg/L	ND	.02	.02	0.018	0.019	89	93	57.1-120	4	30		
1,2,4-Trichlorobenzene	mg/L	ND	.02	.02	0.019	0.018	94	92	67.6-129	2	30		
1,2,4-Trimethylbenzene	mg/L	ND	.02	.02	0.020	0.020	102	99	68.9-125	2	30		
1,2-Dichlorobenzene	mg/L	ND	.02	.02	0.019	0.020	96	99	69.6-120	3	30		
1,2-Dichloroethane	mg/L	ND	.02	.02	0.021	0.020	104	100	60.5-133	4	30		
1,2-Dichloropropane	mg/L	ND	.02	.02	0.020	0.021	99	107	71-120	9	30		
1,3,5-Trimethylbenzene	mg/L	ND	.02	.02	0.016	0.016	79	80	67.3-129	1	30		
1,3-Dichlorobenzene	mg/L	ND	.02	.02	0.019	0.020	97	100	68.4-121	3	30		
1,4-Dichlorobenzene	mg/L	ND	.02	.02	0.019	0.019	95	96	68.5-123	1	30		
2-Butanone (MEK)	mg/L	ND	.02	.02	0.020	0.017	99	83	55.7-138	18	30		
2-Hexanone	mg/L	ND	.02	.02	0.023	0.016	116	79	67-133	38	30	M0,R1	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	.02	.02	0.020	0.020	98	100	64.5-121	2	30		
Acetone	mg/L	ND	.02	.02	0.028	0.025	93	79	57.6-168	10	30		
Benzene	mg/L	ND	.02	.02	0.025	0.016	127	80	69.8-120	45	30	M0,R1	
Bromochloromethane	mg/L	ND	.02	.02	0.021	0.017	103	85	65.5-125	19	30		
Bromodichloromethane	mg/L	ND	.02	.02	0.020	0.021	100	106	66.5-120	6	30		

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 485955												485956											
Parameter	Units	3076838001		MS		MSD		MS		MSD		% Rec		Max		Qual							
		Result	Conc.	Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	MSD % Rec	Limits	RPD	RPD											
Bromoform	mg/L	ND	.02	.02	.02	0.018	0.019	90	97	61.1-120	7	30											
Bromomethane	mg/L	ND	.02	.02	.02	0.0096	0.011	48	55	10.6-200	13	30											
Carbon disulfide	mg/L	ND	.02	.02	.02	0.018	0.019	90	97	60.2-122	7	30											
Carbon tetrachloride	mg/L	ND	.02	.02	.02	0.022	0.019	110	93	60.1-127	17	30											
Chlorobenzene	mg/L	ND	.02	.02	.02	0.024	0.026	122	131	72-120	7	30	M0										
Chloroethane	mg/L	ND	.02	.02	.02	0.018	0.022	90	108	36.8-142	19	30											
Chloroform	mg/L	ND	.02	.02	.02	0.020	0.017	98	84	69-122	15	30											
Chloromethane	mg/L	ND	.02	.02	.02	0.015	0.015	75	77	37.2-129	3	30											
cis-1,2-Dichloroethene	mg/L	ND	.02	.02	.02	0.021	0.017	107	86	69.5-123	22	30											
cis-1,3-Dichloropropene	mg/L	ND	.02	.02	.02	0.019	0.021	96	107	74.3-120	10	30											
Dibromochloromethane	mg/L	ND	.02	.02	.02	0.020	0.022	99	109	66.1-120	10	30											
Ethanol	mg/L	ND	.2	.2	.2	0.16J	0.21	78	104	28.5-198													
Ethyl-tert-butyl ether	mg/L	ND	.02	.02	.02	0.018	0.017	92	85	76.4-127	8	30											
Ethylbenzene	mg/L	ND	.02	.02	.02	0.020	0.023	98	111	70.9-124	11	30											
Isopropylbenzene (Cumene)	mg/L	ND	.02	.02	.02	0.019	0.022	94	110	68.3-129	16	30											
m&p-Xylene	mg/L	3.2 ug/L	.04	.04	.04	0.045	0.050	104	117	70.4-130	11	30											
Methyl-tert-butyl ether	mg/L	ND	.02	.02	.02	0.017	0.017	83	84	66.4-144	.3	30											
Methylene Chloride	mg/L	ND	.02	.02	.02	0.019	0.019	94	95	61.5-125	.4	30											
Naphthalene	mg/L	ND	.02	.02	.02	0.019	0.018	94	91	61-135	3	30											
o-Xylene	mg/L	1.3 ug/L	.02	.02	.02	0.021	0.024	99	111	70.6-127	11	30											
Styrene	mg/L	ND	.02	.02	.02	0.023	0.025	113	125	69.9-120	10	30	M0										
tert-Amylmethyl ether	mg/L	ND	.02	.02	.02	0.026	0.017	130	87	68.6-120	40	30	M0, R1										
tert-Butyl Alcohol	mg/L	ND	.1	.1	.1	0.12	0.13	124	127	51.7-152	2	30											
Tetrachloroethene	mg/L	ND	.02	.02	.02	0.018	0.021	88	106	63.4-121	19	30											
Toluene	mg/L	ND	.02	.02	.02	0.020	0.022	99	109	71.5-120	10	30											
trans-1,2-Dichloroethene	mg/L	ND	.02	.02	.02	0.016	0.017	81	86	64.1-120	6	30											
trans-1,3-Dichloropropene	mg/L	ND	.02	.02	.02	0.020	0.021	98	105	71-120	7	30											
Trichloroethene	mg/L	ND	.02	.02	.02	0.020	0.019	101	94	65.9-120	7	30											
Vinyl chloride	mg/L	ND	.02	.02	.02	0.021	0.021	103	104	51-127	1	30											
Xylene (Total)	mg/L	4.4 ug/L	.06	.06	.06	0.066	0.074	102	115	70-129	11	30											
1,2-Dichloroethane-d4 (S)	%							111	90	70-130													
4-Bromofluorobenzene (S)	%							94	96	70-130													
Toluene-d8 (S)	%							95	96	70-130													



### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: OEXT/12724 Analysis Method: EPA 8015B Modified  
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV  
 Associated Lab Samples: 3077070002, 3077070003, 3077070004, 3077070005, 3077070006, 3077070008, 3077070009, 3077070010

METHOD BLANK: 486154 Matrix: Solid  
 Associated Lab Samples: 3077070002, 3077070003, 3077070004, 3077070005, 3077070006, 3077070008, 3077070009, 3077070010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	3.9U	6.7	09/16/12 17:30	
o-Terphenyl (S)	%	86	50-150	09/16/12 17:30	

LABORATORY CONTROL SAMPLE: 486155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	56.7	85	50-150	
o-Terphenyl (S)	%			79	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 486156 486157

Parameter	Units	3076557021		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Diesel Components	mg/kg	8.7	72.4	71.8	59.4	63.2	70	76	50-150	6	25		
o-Terphenyl (S)	%						53	53	50-150		20		

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: OEXT/12723

Analysis Method: EPA 8015B Modified

QC Batch Method: EPA 3510

Analysis Description: 8015 GCS

Associated Lab Samples: 3077070001

METHOD BLANK: 486146

Matrix: Water

Associated Lab Samples: 3077070001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	0.037U	0.10	09/18/12 19:36	
o-Terphenyl (S)	%	84	50-150	09/18/12 19:36	

LABORATORY CONTROL SAMPLE: 486147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	1	0.79	79	50-150	
o-Terphenyl (S)	%			74	50-150	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: OEXT/12738 Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 3510 Analysis Description: 8015 GCS  
Associated Lab Samples: 3077070007

METHOD BLANK: 486778 Matrix: Water

Associated Lab Samples: 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	0.037U	0.10	09/18/12 11:24	
o-Terphenyl (S)	%	99	50-150	09/18/12 11:24	5c

LABORATORY CONTROL SAMPLE: 486779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	1	0.85	85	50-150	
o-Terphenyl (S)	%			84	50-150	5c

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 486780 486781

Parameter	Units	3076895004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Components	mg/L	3.1	1	1	4.0	3.6	87	55	50-150	9	25	2c
o-Terphenyl (S)	%						0	0	50-150		20	S4

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: OEXT/12732

Analysis Method: EPA 8082

QC Batch Method: EPA 3546

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 3077070002, 3077070006

METHOD BLANK: 486397

Matrix: Solid

Associated Lab Samples: 3077070002, 3077070006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	2.5U	16.7	09/17/12 15:58	
PCB-1221 (Aroclor 1221)	ug/kg	7.6U	16.7	09/17/12 15:58	
PCB-1232 (Aroclor 1232)	ug/kg	5.0U	16.7	09/17/12 15:58	
PCB-1242 (Aroclor 1242)	ug/kg	3.3U	16.7	09/17/12 15:58	
PCB-1248 (Aroclor 1248)	ug/kg	3.5U	16.7	09/17/12 15:58	
PCB-1254 (Aroclor 1254)	ug/kg	7.7U	16.7	09/17/12 15:58	
PCB-1260 (Aroclor 1260)	ug/kg	2.6U	16.7	09/17/12 15:58	
Decachlorobiphenyl (S)	%	70	30-150	09/17/12 15:58	
Tetrachloro-m-xylene (S)	%	65	30-150	09/17/12 15:58	

LABORATORY CONTROL SAMPLE: 486398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	125	75	55-145	1c
PCB-1260 (Aroclor 1260)	ug/kg	167	136	81	55-145	1c
Decachlorobiphenyl (S)	%			90	30-150	
Tetrachloro-m-xylene (S)	%			77	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 486399 486400

Parameter	Units	3076759001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
PCB-1016 (Aroclor 1016)	ug/kg	3.4U	226	228	158	172	70	75	55-145	8	25		
PCB-1260 (Aroclor 1260)	ug/kg	3.5U	226	228	133	148	59	65	55-145	11	25		
Decachlorobiphenyl (S)	%						56	59	30-150				
Tetrachloro-m-xylene (S)	%						73	80	30-150				

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: OEXT/12741

Analysis Method: EPA 8082

QC Batch Method: EPA 3510

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 3077070007

METHOD BLANK: 486798

Matrix: Water

Associated Lab Samples: 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.075U	0.25	09/17/12 20:35	
PCB-1221 (Aroclor 1221)	ug/L	0.090U	0.25	09/17/12 20:35	
PCB-1232 (Aroclor 1232)	ug/L	0.072U	0.25	09/17/12 20:35	
PCB-1242 (Aroclor 1242)	ug/L	0.032U	0.25	09/17/12 20:35	
PCB-1248 (Aroclor 1248)	ug/L	0.023U	0.25	09/17/12 20:35	
PCB-1254 (Aroclor 1254)	ug/L	0.036U	0.25	09/17/12 20:35	
PCB-1260 (Aroclor 1260)	ug/L	0.031U	0.25	09/17/12 20:35	
Decachlorobiphenyl (S)	%	74	30-150	09/17/12 20:35	
Tetrachloro-m-xylene (S)	%	83	30-150	09/17/12 20:35	

LABORATORY CONTROL SAMPLE: 486799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	2.5	1.9	74	55-145	
PCB-1260 (Aroclor 1260)	ug/L	2.5	1.8	73	55-145	
Decachlorobiphenyl (S)	%			84	30-150	
Tetrachloro-m-xylene (S)	%			79	30-150	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

QC Batch: OEXT/12747

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Associated Lab Samples: 3077070002, 3077070006

METHOD BLANK: 486857

Matrix: Solid

Associated Lab Samples: 3077070002, 3077070006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	51.0U	333	09/20/12 16:22	
1,2-Dichlorobenzene	ug/kg	49.5U	333	09/20/12 16:22	
1,3-Dichlorobenzene	ug/kg	55.3U	333	09/20/12 16:22	
1,4-Dichlorobenzene	ug/kg	46.9U	333	09/20/12 16:22	
2,4,5-Trichlorophenol	ug/kg	98.8U	833	09/20/12 16:22	
2,4,6-Trichlorophenol	ug/kg	60.9U	333	09/20/12 16:22	
2,4-Dichlorophenol	ug/kg	57.2U	333	09/20/12 16:22	
2,4-Dimethylphenol	ug/kg	58.8U	333	09/20/12 16:22	
2,4-Dinitrophenol	ug/kg	39.0U	833	09/20/12 16:22	
2,4-Dinitrotoluene	ug/kg	69.7U	333	09/20/12 16:22	
2,6-Dinitrotoluene	ug/kg	43.7U	333	09/20/12 16:22	
2-Chloronaphthalene	ug/kg	35.0U	333	09/20/12 16:22	
2-Chlorophenol	ug/kg	42.5U	333	09/20/12 16:22	
2-Methylnaphthalene	ug/kg	40.2U	333	09/20/12 16:22	
2-Methylphenol(o-Cresol)	ug/kg	58.9U	333	09/20/12 16:22	
2-Nitroaniline	ug/kg	39.1U	833	09/20/12 16:22	
2-Nitrophenol	ug/kg	37.4U	333	09/20/12 16:22	
3&4-Methylphenol(m&p Cresol)	ug/kg	67.1U	666	09/20/12 16:22	
3,3'-Dichlorobenzidine	ug/kg	36.3U	333	09/20/12 16:22	
3-Nitroaniline	ug/kg	62.4U	833	09/20/12 16:22	
4,6-Dinitro-2-methylphenol	ug/kg	48.1U	833	09/20/12 16:22	
4-Bromophenylphenyl ether	ug/kg	49.2U	333	09/20/12 16:22	
4-Chloro-3-methylphenol	ug/kg	52.8U	333	09/20/12 16:22	
4-Chloroaniline	ug/kg	73.8U	333	09/20/12 16:22	
4-Chlorophenylphenyl ether	ug/kg	45.4U	333	09/20/12 16:22	
4-Nitroaniline	ug/kg	90.0U	833	09/20/12 16:22	
4-Nitrophenol	ug/kg	56.8U	333	09/20/12 16:22	
Acenaphthene	ug/kg	38.8U	333	09/20/12 16:22	
Acenaphthylene	ug/kg	38.3U	333	09/20/12 16:22	
Anthracene	ug/kg	52.1U	333	09/20/12 16:22	
Benzo(a)anthracene	ug/kg	38.5U	333	09/20/12 16:22	
Benzo(a)pyrene	ug/kg	112U	333	09/20/12 16:22	
Benzo(b)fluoranthene	ug/kg	65.7U	333	09/20/12 16:22	
Benzo(g,h,i)perylene	ug/kg	95.5U	333	09/20/12 16:22	
Benzo(k)fluoranthene	ug/kg	119U	333	09/20/12 16:22	
Benzyl alcohol	ug/kg	49.2U	333	09/20/12 16:22	
bis(2-Chloroethoxy)methane	ug/kg	54.5U	333	09/20/12 16:22	
bis(2-Chloroethyl) ether	ug/kg	157U	333	09/20/12 16:22	
bis(2-Chloroisopropyl) ether	ug/kg	44.2U	333	09/20/12 16:22	
bis(2-Ethylhexyl)phthalate	ug/kg	114U	333	09/20/12 16:22	
Butylbenzylphthalate	ug/kg	38.2U	333	09/20/12 16:22	
Chrysene	ug/kg	71.7U	333	09/20/12 16:22	
Di-n-butylphthalate	ug/kg	55.2U	333	09/20/12 16:22	

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

METHOD BLANK: 486857

Matrix: Solid

Associated Lab Samples: 3077070002, 3077070006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Di-n-octylphthalate	ug/kg	61.4U	333	09/20/12 16:22	
Dibenz(a,h)anthracene	ug/kg	112U	333	09/20/12 16:22	
Dibenzofuran	ug/kg	44.5U	333	09/20/12 16:22	
Diethylphthalate	ug/kg	36.7U	333	09/20/12 16:22	
Dimethylphthalate	ug/kg	47.3U	333	09/20/12 16:22	
Fluoranthene	ug/kg	50.9U	333	09/20/12 16:22	
Fluorene	ug/kg	46.9U	333	09/20/12 16:22	
Hexachloro-1,3-butadiene	ug/kg	59.0U	333	09/20/12 16:22	
Hexachlorobenzene	ug/kg	43.0U	333	09/20/12 16:22	
Hexachlorocyclopentadiene	ug/kg	35.1U	333	09/20/12 16:22	
Hexachloroethane	ug/kg	51.2U	333	09/20/12 16:22	
Indeno(1,2,3-cd)pyrene	ug/kg	81.3U	333	09/20/12 16:22	
Isophorone	ug/kg	36.4U	333	09/20/12 16:22	
N-Nitroso-di-n-propylamine	ug/kg	39.4U	333	09/20/12 16:22	
N-Nitrosodiphenylamine	ug/kg	33.7U	333	09/20/12 16:22	
Naphthalene	ug/kg	44.4U	333	09/20/12 16:22	
Nitrobenzene	ug/kg	52.3U	333	09/20/12 16:22	
Pentachlorophenol	ug/kg	83.3U	833	09/20/12 16:22	
Phenanthrene	ug/kg	61.5U	333	09/20/12 16:22	
Phenol	ug/kg	80.9U	333	09/20/12 16:22	
Pyrene	ug/kg	50.7U	333	09/20/12 16:22	
2,4,6-Tribromophenol (S)	%	92	10-144	09/20/12 16:22	
2-Fluorobiphenyl (S)	%	95	48-125	09/20/12 16:22	
2-Fluorophenol (S)	%	91	25-138	09/20/12 16:22	
Nitrobenzene-d5 (S)	%	89	49-118	09/20/12 16:22	
Phenol-d6 (S)	%	89	30-130	09/20/12 16:22	
Terphenyl-d14 (S)	%	129	29-159	09/20/12 16:22	

LABORATORY CONTROL SAMPLE: 486858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2850	86	50-115	
1,4-Dichlorobenzene	ug/kg	3330	2820	85	47-105	
2,4-Dinitrotoluene	ug/kg	3330	2830	85	45-115	
2-Chlorophenol	ug/kg	3330	2860	86	51-113	
2-Methylnaphthalene	ug/kg	3330	2910	87	46-112	
4-Chloro-3-methylphenol	ug/kg	3330	2830	85	47-129	
4-Nitrophenol	ug/kg	3330	2430	73	26-117	
Acenaphthene	ug/kg	3330	3020	91	52-114	
Acenaphthylene	ug/kg	3330	2980	89	55-120	
Anthracene	ug/kg	3330	3270	98	57-121	
Benzo(a)anthracene	ug/kg	3330	3260	98	55-126	
Benzo(a)pyrene	ug/kg	3330	3430	103	57-124	
Benzo(b)fluoranthene	ug/kg	3330	3230	97	53-128	
Benzo(g,h,i)perylene	ug/kg	3330	3150	94	25-159	

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

LABORATORY CONTROL SAMPLE: 486858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(k)fluoranthene	ug/kg	3330	3540	106	52-139	
Chrysene	ug/kg	3330	3590	108	42-150	
Dibenz(a,h)anthracene	ug/kg	3330	3480	104	32-155	
Fluoranthene	ug/kg	3330	3410	102	51-125	
Fluorene	ug/kg	3330	3030	91	52-117	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	3440	103	32-150	
N-Nitroso-di-n-propylamine	ug/kg	3330	2900	87	52-126	
Naphthalene	ug/kg	3330	2920	88	51-109	
Pentachlorophenol	ug/kg	3330	2450	73	20-122	
Phenanthrene	ug/kg	3330	3290	99	54-119	
Phenol	ug/kg	3330	3010	90	43-112	
Pyrene	ug/kg	3330	3420	103	38-144	
2,4,6-Tribromophenol (S)	%			97	10-144	
2-Fluorobiphenyl (S)	%			91	48-125	
2-Fluorophenol (S)	%			81	25-138	
Nitrobenzene-d5 (S)	%			83	49-118	
Phenol-d6 (S)	%			88	30-130	
Terphenyl-d14 (S)	%			100	29-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 486861 486862

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	RPD	Qual	
		3076975007 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2,4-Trichlorobenzene	ug/kg	ND	3670	3660	3260	3260	89	89	50-115	.02	20	
1,4-Dichlorobenzene	ug/kg	ND	3670	3660	3110	3250	85	89	47-105	5	22	
2,4-Dinitrotoluene	ug/kg	ND	3670	3660	2360	1940	64	53	45-115	20	17	R1
2-Chlorophenol	ug/kg	ND	3670	3660	3210	3330	88	91	51-113	4	21	
2-Methylnaphthalene	ug/kg	ND	3670	3660	3190	3190	87	87	46-112	.08	40	
4-Chloro-3-methylphenol	ug/kg	ND	3670	3660	2520	2990	69	82	47-129	17	23	
4-Nitrophenol	ug/kg	ND	3670	3660	1950	1960	53	54	26-117	.7	50	
Acenaphthene	ug/kg	ND	3670	3660	3390	3270	92	89	52-114	3	14	
Acenaphthylene	ug/kg	ND	3670	3660	3250	3240	89	88	55-120	.4	40	
Anthracene	ug/kg	ND	3670	3660	3290	2930	90	80	57-121	11	40	
Benzo(a)anthracene	ug/kg	ND	3670	3660	3150	2770	86	76	55-126	13	40	
Benzo(a)pyrene	ug/kg	ND	3670	3660	3320	2490	90	68	57-124	29	40	
Benzo(b)fluoranthene	ug/kg	ND	3670	3660	3080	2490	84	68	53-128	21	40	
Benzo(g,h,i)perylene	ug/kg	ND	3670	3660	2860	2130	78	58	25-159	29	40	
Benzo(k)fluoranthene	ug/kg	ND	3670	3660	4270	4170	116	114	52-139	2	40	
Chrysene	ug/kg	ND	3670	3660	4270	3980	116	109	42-150	7	40	
Dibenz(a,h)anthracene	ug/kg	ND	3670	3660	2850	2320	78	63	32-155	21	40	
Fluoranthene	ug/kg	ND	3670	3660	2800	2630	76	72	51-125	6	40	
Fluorene	ug/kg	ND	3670	3660	3260	3170	89	87	52-117	3	40	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3670	3660	3140	2170	86	59	32-150	36	40	
N-Nitroso-di-n-propylamine	ug/kg	ND	3670	3660	3220	3310	88	90	52-126	3	21	
Naphthalene	ug/kg	ND	3670	3660	3310	3330	90	91	51-109	.6	40	
Pentachlorophenol	ug/kg	ND	3670	3660	1680	2100	46	57	20-122	22	22	
Phenanthrene	ug/kg	ND	3670	3660	3300	3020	90	83	54-119	9	40	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 486861												486862	
Parameter	Units	3076975007 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits				
Phenol	ug/kg	ND	3670	3660	3040	3170	83	87	43-112	4	20		
Pyrene	ug/kg	ND	3670	3660	4710	4660	128	127	38-144	1	20		
2,4,6-Tribromophenol (S)	%						95	85	10-144				
2-Fluorobiphenyl (S)	%						95	94	48-125				
2-Fluorophenol (S)	%						81	85	25-138				
Nitrobenzene-d5 (S)	%						83	85	49-118				
Phenol-d6 (S)	%						68	85	30-130				
Terphenyl-d14 (S)	%						135	130	29-159				

### QUALITY CONTROL DATA

Project: MUSEC PHASE II  
Pace Project No.: 3077070

QC Batch: OEXT/12730 Analysis Method: EPA 8270  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV  
Associated Lab Samples: 3077070007

METHOD BLANK: 486247 Matrix: Water  
Associated Lab Samples: 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/L	0.00028U	0.0010	09/20/12 18:53	
1,2-Dichlorobenzene	mg/L	0.00025U	0.0010	09/20/12 18:53	
1,3-Dichlorobenzene	mg/L	0.00027U	0.0010	09/20/12 18:53	
1,4-Dichlorobenzene	mg/L	0.00029U	0.0010	09/20/12 18:53	
1-Methylnaphthalene	mg/L	0.00024U	0.0010	09/20/12 18:53	N2
2,4,5-Trichlorophenol	mg/L	0.00039U	0.0025	09/20/12 18:53	
2,4,6-Trichlorophenol	mg/L	0.00025U	0.0010	09/20/12 18:53	
2,4-Dichlorophenol	mg/L	0.00025U	0.0010	09/20/12 18:53	
2,4-Dimethylphenol	mg/L	0.00032U	0.0010	09/20/12 18:53	
2,4-Dinitrophenol	mg/L	0.00033U	0.0025	09/20/12 18:53	
2,4-Dinitrotoluene	mg/L	0.00024U	0.0010	09/20/12 18:53	
2,6-Dinitrotoluene	mg/L	0.00026U	0.0010	09/20/12 18:53	
2-Chloronaphthalene	mg/L	0.00024U	0.0010	09/20/12 18:53	
2-Chlorophenol	mg/L	0.00021U	0.0010	09/20/12 18:53	
2-Methylnaphthalene	mg/L	0.00027U	0.0010	09/20/12 18:53	
2-Methylphenol(o-Cresol)	mg/L	0.00026U	0.0010	09/20/12 18:53	
2-Nitroaniline	mg/L	0.00028U	0.0025	09/20/12 18:53	
2-Nitrophenol	mg/L	0.00026U	0.0010	09/20/12 18:53	
3&4-Methylphenol(m&p Cresol)	mg/L	0.00070U	0.0020	09/20/12 18:53	
3,3'-Dichlorobenzidine	mg/L	0.00017U	0.0010	09/20/12 18:53	
3-Nitroaniline	mg/L	0.00026U	0.0025	09/20/12 18:53	
4,6-Dinitro-2-methylphenol	mg/L	0.00025U	0.0025	09/20/12 18:53	
4-Bromophenylphenyl ether	mg/L	0.00026U	0.0010	09/20/12 18:53	
4-Chloro-3-methylphenol	mg/L	0.00023U	0.0010	09/20/12 18:53	
4-Chloroaniline	mg/L	0.00014U	0.0010	09/20/12 18:53	
4-Chlorophenylphenyl ether	mg/L	0.00022U	0.0010	09/20/12 18:53	
4-Nitroaniline	mg/L	0.00043U	0.0025	09/20/12 18:53	
4-Nitrophenol	mg/L	0.00039U	0.0010	09/20/12 18:53	
Acenaphthene	mg/L	0.00026U	0.0010	09/20/12 18:53	
Acenaphthylene	mg/L	0.00020U	0.0010	09/20/12 18:53	
Anthracene	mg/L	0.00020U	0.0010	09/20/12 18:53	
Azobenzene	mg/L	0.00024U	0.0010	09/20/12 18:53	N2
Benzo(a)anthracene	mg/L	0.00023U	0.0010	09/20/12 18:53	
Benzo(a)pyrene	mg/L	0.00025U	0.0010	09/20/12 18:53	
Benzo(b)fluoranthene	mg/L	0.00019U	0.0010	09/20/12 18:53	
Benzo(g,h,i)perylene	mg/L	0.00039U	0.0010	09/20/12 18:53	
Benzo(k)fluoranthene	mg/L	0.00025U	0.0010	09/20/12 18:53	
Benzoic acid	mg/L	0.00027U	0.10	09/20/12 18:53	
Benzyl alcohol	mg/L	0.00022U	0.0010	09/20/12 18:53	
bis(2-Chloroethoxy)methane	mg/L	0.00022U	0.0010	09/20/12 18:53	
bis(2-Chloroethyl) ether	mg/L	0.00029U	0.0010	09/20/12 18:53	
bis(2-Chloroisopropyl) ether	mg/L	0.00022U	0.0010	09/20/12 18:53	
bis(2-Ethylhexyl)phthalate	mg/L	0.00043U	0.0010	09/20/12 18:53	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

METHOD BLANK: 486247

Matrix: Water

Associated Lab Samples: 3077070007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	mg/L	0.00028U	0.0010	09/20/12 18:53	
Carbazole	mg/L	0.00023U	0.0010	09/20/12 18:53	
Chrysene	mg/L	0.00023U	0.0010	09/20/12 18:53	
Di-n-butylphthalate	mg/L	0.00025U	0.0010	09/20/12 18:53	
Di-n-octylphthalate	mg/L	0.00028U	0.0010	09/20/12 18:53	
Dibenz(a,h)anthracene	mg/L	0.00045U	0.0010	09/20/12 18:53	
Dibenzofuran	mg/L	0.00025U	0.0010	09/20/12 18:53	
Diethylphthalate	mg/L	0.00024U	0.0010	09/20/12 18:53	
Dimethylphthalate	mg/L	0.00028U	0.0010	09/20/12 18:53	
Fluoranthene	mg/L	0.00022U	0.0010	09/20/12 18:53	
Fluorene	mg/L	0.00020U	0.0010	09/20/12 18:53	
Hexachloro-1,3-butadiene	mg/L	0.00032U	0.0010	09/20/12 18:53	
Hexachlorobenzene	mg/L	0.00025U	0.0010	09/20/12 18:53	
Hexachlorocyclopentadiene	mg/L	0.00018U	0.0010	09/20/12 18:53	
Hexachloroethane	mg/L	0.00031U	0.0010	09/20/12 18:53	
Indeno(1,2,3-cd)pyrene	mg/L	0.00048U	0.0010	09/20/12 18:53	
Isophorone	mg/L	0.00020U	0.0010	09/20/12 18:53	
N-Nitroso-di-n-propylamine	mg/L	0.00021U	0.0010	09/20/12 18:53	
N-Nitrosodimethylamine	mg/L	0.00028U	0.0010	09/20/12 18:53	
N-Nitrosodiphenylamine	mg/L	0.00021U	0.0010	09/20/12 18:53	
Naphthalene	mg/L	0.00023U	0.0010	09/20/12 18:53	
Nitrobenzene	mg/L	0.00046U	0.0010	09/20/12 18:53	
Pentachlorophenol	mg/L	0.00028U	0.0025	09/20/12 18:53	
Phenanthrene	mg/L	0.00023U	0.0010	09/20/12 18:53	
Phenol	mg/L	0.00026U	0.0010	09/20/12 18:53	
Pyrene	mg/L	0.00027U	0.0010	09/20/12 18:53	
2,4,6-Tribromophenol (S)	%	69	10-123	09/20/12 18:53	
2-Fluorobiphenyl (S)	%	76	43-116	09/20/12 18:53	
2-Fluorophenol (S)	%	41	21-110	09/20/12 18:53	
Nitrobenzene-d5 (S)	%	66	35-114	09/20/12 18:53	
Phenol-d6 (S)	%	27	10-110	09/20/12 18:53	
Terphenyl-d14 (S)	%	124	33-141	09/20/12 18:53	

LABORATORY CONTROL SAMPLE: 486248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/L	.005	0.0039	77	12-105	
1,2-Dichlorobenzene	mg/L		0.00025U			
1,3-Dichlorobenzene	mg/L		0.00027U			
1,4-Dichlorobenzene	mg/L	.005	0.0036	72	10-95	
1-Methylnaphthalene	mg/L	.005	0.0044	88	15-106	N2
2,4,5-Trichlorophenol	mg/L		0.00039U			
2,4,6-Trichlorophenol	mg/L		0.00025U			
2,4-Dichlorophenol	mg/L		0.00025U			
2,4-Dimethylphenol	mg/L		0.00032U			

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

LABORATORY CONTROL SAMPLE: 486248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	mg/L		0.00033U			
2,4-Dinitrotoluene	mg/L	.005	0.0032	65	10-133	
2,6-Dinitrotoluene	mg/L		0.00026U			
2-Chloronaphthalene	mg/L		0.00024U			
2-Chlorophenol	mg/L	.005	0.0040	79	10-111	
2-Methylnaphthalene	mg/L	.005	0.0042	83	10-98	
2-Methylphenol(o-Cresol)	mg/L		0.00026U			
2-Nitroaniline	mg/L		0.00028U			
2-Nitrophenol	mg/L		0.00026U			
3&4-Methylphenol(m&p Cresol)	mg/L		0.00070U			
3,3'-Dichlorobenzidine	mg/L		0.00017U			
3-Nitroaniline	mg/L		0.00026U			
4,6-Dinitro-2-methylphenol	mg/L		0.00025U			
4-Bromophenylphenyl ether	mg/L		0.00026U			
4-Chloro-3-methylphenol	mg/L	.005	0.0040	80	10-129	
4-Chloroaniline	mg/L		0.00014U			
4-Chlorophenylphenyl ether	mg/L		0.00022U			
4-Nitroaniline	mg/L		0.00043U			
4-Nitrophenol	mg/L	.005	0.0014	28	10-54	
Acenaphthene	mg/L	.005	0.0046	93	12-123	
Acenaphthylene	mg/L	.005	0.0043	86	11-131	
Anthracene	mg/L	.005	0.0042	85	11-135	
Azobenzene	mg/L		0.00024U			N2
Benzo(a)anthracene	mg/L	.005	0.0048	96	24-138	
Benzo(a)pyrene	mg/L	.005	0.0044	87	20-136	
Benzo(b)fluoranthene	mg/L	.005	0.0055	110	19-147	
Benzo(g,h,i)perylene	mg/L	.005	0.0028	56	11-156	
Benzo(k)fluoranthene	mg/L	.005	0.0062	124	22-154	
Benzoic acid	mg/L		0.00027U			
Benzyl alcohol	mg/L		0.00022U			
bis(2-Chloroethoxy)methane	mg/L		0.00022U			
bis(2-Chloroethyl) ether	mg/L		0.00029U			
bis(2-Chloroisopropyl) ether	mg/L		0.00022U			
bis(2-Ethylhexyl)phthalate	mg/L		0.00043U			
Butylbenzylphthalate	mg/L		0.00028U			
Carbazole	mg/L		0.00023U			
Chrysene	mg/L	.005	0.0055	110	14-158	
Di-n-butylphthalate	mg/L		0.00025U			
Di-n-octylphthalate	mg/L		0.00028U			
Dibenz(a,h)anthracene	mg/L	.005	0.0033	65	13-154	
Dibenzofuran	mg/L		0.00025U			
Diethylphthalate	mg/L		0.00024U			
Dimethylphthalate	mg/L		0.00028U			
Fluoranthene	mg/L	.005	0.0040	80	20-135	
Fluorene	mg/L	.005	0.0044	89	11-128	
Hexachloro-1,3-butadiene	mg/L		0.00032U			
Hexachlorobenzene	mg/L		0.00025U			
Hexachlorocyclopentadiene	mg/L		0.00018U			

### QUALITY CONTROL DATA

Project: MUSEC PHASE II

Pace Project No.: 3077070

LABORATORY CONTROL SAMPLE: 486248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	mg/L		0.00031U			
Indeno(1,2,3-cd)pyrene	mg/L	.005	0.0032	64	15-148	
Isophorone	mg/L		0.00020U			
N-Nitroso-di-n-propylamine	mg/L	.005	0.0042	84	10-136	
N-Nitrosodimethylamine	mg/L		0.00028U			
N-Nitrosodiphenylamine	mg/L		0.00021U			
Naphthalene	mg/L	.005	0.0042	83	12-116	
Nitrobenzene	mg/L		0.00046U			
Pentachlorophenol	mg/L	.005	0.0025	50	13-129	
Phenanthrene	mg/L	.005	0.0048	97	13-134	
Phenol	mg/L	.005	0.0021	41	10-47	
Pyrene	mg/L	.005	0.0067	134	10-158	
2,4,6-Tribromophenol (S)	%			87	10-123	
2-Fluorobiphenyl (S)	%			92	43-116	
2-Fluorophenol (S)	%			54	21-110	
Nitrobenzene-d5 (S)	%			83	35-114	
Phenol-d6 (S)	%			37	10-110	
Terphenyl-d14 (S)	%			159	33-141	S0

### QUALITY CONTROL DATA

Project: MUSEC PHASE II  
Pace Project No.: 3077070

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QC Batch: PMST/3398    Analysis Method: ASTM D2974-87  
QC Batch Method: ASTM D2974-87    Analysis Description: Dry Weight/Percent Moisture  
Associated Lab Samples: 3077070002, 3077070003, 3077070004, 3077070005, 3077070006, 3077070008, 3077070009, 3077070010

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SAMPLE DUPLICATE: 488492

Parameter	Units	3076901001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.9	5.4	9	20	

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SAMPLE DUPLICATE: 488493

Parameter	Units	3076901003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.9	16.8	1	20	

## QUALIFIERS

Project: MUSEC PHASE II  
Pace Project No.: 3077070

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### BATCH QUALIFIERS

Batch: OEXT/12723

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/12730

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/13923

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/12741

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/13950

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

1c All positive Aroclor results are reported from the front column due to low response in calibration check standards on the rear column.

2c Matrix spike recovery not evaluated against control limits due to sample dilution.

3c Recovery of the surrogate DCB is low. Sample results accepted based upon recovery of the surrogate TCMX.

4c The majority of the area quantitated as DRO for this sample is due to unresolved material eluting beyond C 20.

5c The response for O-Terphenyl is high in the opening calibration standard. Recovery of O-Terphenyl is within limits. Recovery may be biased high.

## QUALIFIERS

Project: MUSEC PHASE II

Pace Project No.: 3077070

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### ANALYTE QUALIFIERS

- D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- LS Analyte recovery in the laboratory control sample (LCS) was outside QC limits for one or more of the constituent analytes used in the calculated result.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- N2 The lab does not hold TNI accreditation for this parameter.
- R1 RPD value was outside control limits.
- S0 Surrogate recovery outside laboratory control limits.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.
- S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).



## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MUSEC PHASE II

Pace Project No.: 3077070

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3077070002	B-3 4.5	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070003	B-6 10	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070004	B-7 3.5	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070005	B-8 5	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070006	B-9 10	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070008	B-10 5	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070009	B-1 4.5	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070010	B-12 2	EPA 3546	OEXT/12724	EPA 8015B Modified	GCSV/4830
3077070001	B-8 GW	EPA 3510	OEXT/12723	EPA 8015B Modified	GCSV/4838
3077070007	B-9 GW	EPA 3510	OEXT/12738	EPA 8015B Modified	GCSV/4837
3077070002	B-3 4.5	EPA 3546	OEXT/12732	EPA 8082	GCSV/4831
3077070006	B-9 10	EPA 3546	OEXT/12732	EPA 8082	GCSV/4831
3077070007	B-9 GW	EPA 3510	OEXT/12741	EPA 8082	GCSV/4832
3077070002	B-3 4.5	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070003	B-6 10	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070004	B-7 3.5	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070005	B-8 5	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070006	B-9 10	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070008	B-10 5	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070009	B-1 4.5	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070010	B-12 2	EPA 5035A/5030B	GCV/1807	EPA 8015B Modified	GCV/1808
3077070001	B-8 GW	EPA 5030/8015 Mod.	GCV/1804		
3077070007	B-9 GW	EPA 5030/8015 Mod.	GCV/1804		
3077070002	B-3 4.5	EPA 3050	MPRP/9066	EPA 6010B	ICP/8507
3077070003	B-6 10	EPA 3050	MPRP/9066	EPA 6010B	ICP/8507
3077070005	B-8 5	EPA 3050	MPRP/9066	EPA 6010B	ICP/8507
3077070006	B-9 10	EPA 3050	MPRP/9066	EPA 6010B	ICP/8507
3077070009	B-1 4.5	EPA 3050	MPRP/9066	EPA 6010B	ICP/8507
3077070007	B-9 GW	EPA 3005	MPRP/9068	EPA 6010B	ICP/8509
3077070007	B-9 GW	EPA 7470	MERP/3859	EPA 7470	MERC/3710
3077070002	B-3 4.5	EPA 7471	MERP/3862	EPA 7471	MERC/3713
3077070003	B-6 10	EPA 7471	MERP/3862	EPA 7471	MERC/3713
3077070005	B-8 5	EPA 7471	MERP/3862	EPA 7471	MERC/3713
3077070006	B-9 10	EPA 7471	MERP/3862	EPA 7471	MERC/3713
3077070009	B-1 4.5	EPA 7471	MERP/3862	EPA 7471	MERC/3713
3077070002	B-3 4.5	EPA 3546	OEXT/12747	EPA 8270	MSSV/4375
3077070006	B-9 10	EPA 3546	OEXT/12747	EPA 8270	MSSV/4375
3077070007	B-9 GW	EPA 3510	OEXT/12730	EPA 8270	MSSV/4376
3077070002	B-3 4.5	EPA 8260	MSV/13950		
3077070003	B-6 10	EPA 8260	MSV/13923		
3077070004	B-7 3.5	EPA 8260	MSV/13923		

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MUSEC PHASE II

Pace Project No.: 3077070

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3077070005	B-8 5	EPA 8260	MSV/13950		
3077070006	B-9 10	EPA 8260	MSV/13950		
3077070008	B-10 5	EPA 8260	MSV/13950		
3077070009	B-1 4.5	EPA 8260	MSV/13923		
3077070010	B-12 2	EPA 8260	MSV/13923		
3077070001	B-8 GW	EPA 8260	MSV/13916		
3077070007	B-9 GW	EPA 8260	MSV/13916		
3077070002	B-3 4.5	ASTM D2974-87	PMST/3398		
3077070003	B-6 10	ASTM D2974-87	PMST/3398		
3077070004	B-7 3.5	ASTM D2974-87	PMST/3398		
3077070005	B-8 5	ASTM D2974-87	PMST/3398		
3077070006	B-9 10	ASTM D2974-87	PMST/3398		
3077070008	B-10 5	ASTM D2974-87	PMST/3398		
3077070009	B-1 4.5	ASTM D2974-87	PMST/3398		
3077070010	B-12 2	ASTM D2974-87	PMST/3398		



FACE ANALYTICAL  
 1638 ROSEY TOWN RD. STE 234  
 GREENSBURG, PA 156001-7647

CHAIN-OF-CUSTODY/ANALYTICAL REQUEST DOCUMENT

Client Contact		Project Manager: Nicholas Wolfe Tel/Fax: 301-797-6400		Site Contact: Nicholas Wolfe		Carrier:		COC No: 1 of 1 COCs			
Triad Engineering, Inc. 1075D Sherman Avenue Hagerstown, MD 21740 (301) 797-6400 Phone (301) 797-2424 FAX Project Name: 03-12-0364 MUSEC Site: MUSEC PHASE II P O # 03-12-0364		Analysis Turnaround Time Calendar (C) or Work Days (W) 7 TAT if different from Below <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Full Suite VOCs 8260 TPH-DRO/GRO 8015 SVOCs 8270 PPL-Metals 6010B PCBs 8082		Job No. 03-12-0364		SDG No. 3077070		Sample Specific Notes:	
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Full Suite VOCs 8260	TPH-DRO/GRO 8015	SVOCs 8270	PPL-Metals 6010B	PCBs 8082	
B-8 GW	9/7/12	921	G	GW	8	X	X				
B-3 4.5	9/7/12	1006	G	Soil	1	X	X	X	X		
B-6 10	9/7/12	1005	G	Soil	1	X	X	X			
B-7 3.5	9/7/12	1010	G	Soil	1	X	X				
B-8 5	9/7/12	1012	G	Soil	1	X	X	X			
B-9 10	9/7/12	1015	G	Soil	1	X	X	X	X		
B-9 GW	9/7/12	1030	G	GW	8	X	X	X	X		
B-10 5	9/7/12	1047	G	Soil	1	X	X				
B-1 4.5	9/7/12	1117	G	Soil	1	X	X	X			
B-12 2	9/7/12	1124	G	Soil	1	X	X	X			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other 2

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Relinquished by: Date/Time: 9/7/12 1437  
 Relinquished by: Date/Time: 9/13/12 1000  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Company: Triad  
 Company: Date/Time: 9/13/12 1000  
 Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

10.0 mL x 100

NDS

\* picture \*

Sample Condition Upon Receipt



Client Name: Triad

Project # 3077070

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: 800117806114

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used 5 6 7 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 16.6 Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: <u>JA 9-10-12</u>
---

Temp should be above freezing to 6°C Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>Sample 2, only 250 Ambers for organics and no metals</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>WT, SL</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>3ml metals B-8</u>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions <u>VOA</u> , coliform, TOC, <u>O&amp;G</u> , <u>W-DRO</u> (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>JA</u> Lot # of added preservative <u>RFID-0132-1</u>
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>3 vials each B-8, B-9</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: temp noted in report - client notified

Project Manager Review: [Signature] Date: 9/12/12



Project Number: 3077070

Client Name: \_\_\_\_\_

Item No.	Matrix Code	Glass Jar (120/250/500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500 )	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y	O & G (1L)	TPH (1L)	VOA (40 ml) 30 ml	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 galL)	Cubtainer (500 ml / 4L)	Ziploc	Other	Other	
001	SM	1			1					1				5											
002	SL	1																							
003	SL	1																							
004	SL	1																							
005	SL	1																							
006	SL	1																							
007	SM	1										1		5											
008	SL	1																							
009	SL	1																							
010	SL	1																							

December 14, 2012

Mr. Nicholas Wolfe  
Triad Engineering, Inc.  
1075 D Sherman Ave.  
Hagerstown, MD 21740

RE: Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

Dear Mr. Wolfe:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



David A. Pichette

david.pichette@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

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### **Pennsylvania Certification IDs**

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601

ACCLASS DOD-ELAP Accreditation #: ADE-1544

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California/TNI Certification #: 04222CA

Colorado Certification

Connecticut Certification #: PH-0694

Delaware Certification

Florida/TNI Certification #: E87683

Guam/PADEP Certification

Hawaii/PADEP Certification

Idaho Certification

Illinois/PADEP Certification

Indiana/PADEP Certification

Iowa Certification #: 391

Kansas/TNI Certification #: E-10358

Kentucky Certification #: 90133

Louisiana/TNI Certification #: LA080002

Louisiana/TNI Certification #: 4086

Maine Certification #: PA0091

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification

Missouri Certification #: 235

Montana Certification #: Cert 0082

Nevada Certification

New Hampshire/TNI Certification #: 2976

New Jersey/TNI Certification #: PA 051

New Mexico Certification

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

Oregon/TNI Certification #: PA200002

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

South Dakota Certification

Tennessee Certification #: TN2867

Texas/TNI Certification #: T104704188

Utah/TNI Certification #: ANTE

Virgin Island/PADEP Certification

Virginia Certification #: 00112

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia Certification #: 143

Wisconsin/PADEP Certification

Wyoming Certification #: 8TMS-Q

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## REPORT OF LABORATORY ANALYSIS

Page 2 of 95

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## SAMPLE SUMMARY

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3083152001	B-13	Solid	12/04/12 07:50	12/05/12 09:45
3083152002	B-14	Solid	12/04/12 08:25	12/05/12 09:45
3083152003	B-15	Solid	12/04/12 08:35	12/05/12 09:45
3083152004	B-16	Solid	12/04/12 08:45	12/05/12 09:45
3083152005	B-17	Solid	12/04/12 09:00	12/05/12 09:45
3083152006	B-18	Solid	12/04/12 09:15	12/05/12 09:45
3083152007	B-19	Solid	12/04/12 09:25	12/05/12 09:45
3083152008	B-20	Solid	12/04/12 09:35	12/05/12 09:45
3083152009	B-21	Solid	12/04/12 09:45	12/05/12 09:45
3083152010	B-22	Solid	12/04/12 10:00	12/05/12 09:45
3083152011	B-23	Solid	12/04/12 10:05	12/05/12 09:45
3083152012	B-24	Solid	12/04/12 10:15	12/05/12 09:45
3083152013	B-25	Solid	12/04/12 10:45	12/05/12 09:45
3083152014	GW-25	Water	12/04/12 10:50	12/05/12 09:45
3083152015	B-26	Solid	12/04/12 11:30	12/05/12 09:45

## REPORT OF LABORATORY ANALYSIS



### SAMPLE ANALYTE COUNT

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3083152001	B-13	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152002	B-14	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152003	B-15	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152004	B-16	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152005	B-17	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152006	B-18	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152007	B-19	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152008	B-20	EPA 8082	SJG	10	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

### SAMPLE ANALYTE COUNT

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3083152009	B-21	ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
3083152010	B-22	EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
3083152011	B-23	EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	SJG	2	PASI-PA
3083152012	B-24	EPA 8015B Modified	MAK	3	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
3083152013	B-25	EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
		EPA 6010B	CTS	12	PASI-PA
		EPA 7471	RTW	1	PASI-PA
3083152014	GW-25	EPA 8270	SPL	70	PASI-PA
		EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA
		EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8082	SJG	9	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	RTW	12	PASI-PA
3083152015	B-26	EPA 7470	RTW	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	DJL	62	PASI-PA
		EPA 8015B Modified	SJG	2	PASI-PA
		EPA 8015B Modified	MAK	3	PASI-PA
3083152015	B-26	EPA 8260	JEW	64	PASI-PA
		ASTM D2974-87	AJC	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 8015B Modified

**Description:** 8015 GCS THC-Diesel

**Client:** Triad - MD

**Date:** December 14, 2012

**General Information:**

14 samples were analyzed for EPA 8015B Modified. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/13637

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- B-13 (Lab ID: 3083152001)
  - o-Terphenyl (S)
- B-15 (Lab ID: 3083152003)
  - o-Terphenyl (S)
- B-16 (Lab ID: 3083152004)
  - o-Terphenyl (S)
- B-19 (Lab ID: 3083152007)
  - o-Terphenyl (S)
- B-25 (Lab ID: 3083152013)
  - o-Terphenyl (S)

QC Batch: OEXT/13692

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- GW-25 (Lab ID: 3083152014)
  - o-Terphenyl (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

---

**Method:** EPA 8015B Modified  
**Description:** 8015 GCS THC-Diesel  
**Client:** Triad - MD  
**Date:** December 14, 2012

### Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/13637

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3083051001

R1: RPD value was outside control limits.

- MSD (Lab ID: 520073)
- o-Terphenyl (S)

QC Batch: GCSV/5126

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

### Additional Comments:

Analyte Comments:

QC Batch: OEXT/13637

2c: Surrogate recovery is low in the MS. Recovery of target analyte is within limits in the MS. No further action is taken. Recovery of target analyte may be biased low.

- MS (Lab ID: 520072)
- o-Terphenyl (S)

3c: The majority of the area quantitated as DRO for this sample is due to unresolved material eluting beyond C 20.

- B-16 (Lab ID: 3083152004)
  - Diesel Components
- B-18 (Lab ID: 3083152006)
  - Diesel Components
- B-19 (Lab ID: 3083152007)
  - Diesel Components
- B-21 (Lab ID: 3083152009)
  - Diesel Components
- B-24 (Lab ID: 3083152012)
  - Diesel Components

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 8082

**Description:** 8082 GCS PCB

**Client:** Triad - MD

**Date:** December 14, 2012

**General Information:**

2 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: GCSV/5116

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: OEXT/13684

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3082876001

M3: Matrix spike recovery was outside laboratory control limits due to matrix interferences.

- MS (Lab ID: 521437)
  - PCB-1221 (Aroclor 1221)
  - PCB-1254 (Aroclor 1254)
- MSD (Lab ID: 521438)
  - PCB-1221 (Aroclor 1221)
  - PCB-1254 (Aroclor 1254)

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

---

**Method:** EPA 8015B Modified  
**Description:** Gasoline Range Organics  
**Client:** Triad - MD  
**Date:** December 14, 2012

**General Information:**

13 samples were analyzed for EPA 8015B Modified. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 5035A/5030B with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 5030/8015 Mod.

**Description:** Gasoline Range Organics

**Client:** Triad - MD

**Date:** December 14, 2012

**General Information:**

1 sample was analyzed for EPA 5030/8015 Mod.. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 6010B

**Description:** 6010 MET ICP

**Client:** Triad - MD

**Date:** December 14, 2012

**General Information:**

6 samples were analyzed for EPA 6010B. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

The samples were prepared in accordance with EPA 3005 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/9687

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3083152014

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 520556)
  - Antimony
  - Arsenic
  - Chromium
  - Nickel
  - Selenium

QC Batch: MPRP/9694

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3082822001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 521108)
  - Antimony
  - Arsenic

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS



## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 6010B

**Description:** 6010 MET ICP

**Client:** Triad - MD

**Date:** December 14, 2012

**Additional Comments:**

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 7470

**Description:** 7470 Mercury

**Client:** Triad - MD

**Date:** December 14, 2012

**General Information:**

1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

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**Method:** EPA 7471  
**Description:** 7471 Mercury  
**Client:** Triad - MD  
**Date:** December 14, 2012

**General Information:**

5 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/4070

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3083301001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 521986)
- Mercury

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

---

**Method:** EPA 8270  
**Description:** 8270 MSSV FULL LIST MICROWAVE  
**Client:** Triad - MD  
**Date:** December 14, 2012

**General Information:**

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/13652

S0: Surrogate recovery outside laboratory control limits.

- MS (Lab ID: 520576)
  - Terphenyl-d14 (S)
- MSD (Lab ID: 520577)
  - Terphenyl-d14 (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/13652

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 520575)
  - Pyrene

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 8270

**Description:** 8270 MSSV FULL LIST MICROWAVE

**Client:** Triad - MD

**Date:** December 14, 2012

QC Batch: OEXT/13652

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3082752013

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MSD (Lab ID: 520577)
  - Pyrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 520577)
  - 1,2,4-Trichlorobenzene
  - 1,4-Dichlorobenzene
  - 2,4-Dinitrotoluene
  - 2-Chlorophenol
  - Acenaphthene
  - N-Nitroso-di-n-propylamine
  - Pentachlorophenol
  - Phenol

**Additional Comments:**

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 8270

**Description:** 8270 MSSV Semivolatile Organic

**Client:** Triad - MD

**Date:** December 14, 2012

**General Information:**

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/13655

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- GW-25 (Lab ID: 3083152014)
- Nitrobenzene-d5 (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSSV/4657

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

**Method:** EPA 8270

**Description:** 8270 MSSV Semivolatile Organic

**Client:** Triad - MD

**Date:** December 14, 2012

Analyte Comments:

QC Batch: OEXT/13655

N2: The lab does not hold TNI accreditation for this parameter.

- BLANK (Lab ID: 520691)
  - 1-Methylnaphthalene
  - Azobenzene
- GW-25 (Lab ID: 3083152014)
  - 1-Methylnaphthalene
  - Azobenzene
- LCS (Lab ID: 520692)
  - 1-Methylnaphthalene
  - Azobenzene

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

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**Method:** EPA 8260  
**Description:** 8260 MSV 5030 Low Level  
**Client:** Triad - MD  
**Date:** December 14, 2012

**General Information:**

13 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/14808

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- B-26 (Lab ID: 3083152015)
- Toluene-d8 (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

QC Batch: MSV/14808

B: Analyte was detected in the associated method blank.

- BLANK (Lab ID: 522875)
- Acetone

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/14815

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 523033)
  - 1,1,1,2-Tetrachloroethane
  - Hexachloro-1,3-butadiene

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS



## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

---

**Method:** EPA 8260  
**Description:** 8260 MSV 5030 Low Level  
**Client:** Triad - MD  
**Date:** December 14, 2012

QC Batch: MSV/14808

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3083152004

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 522877)
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene
  - 1,4-Dichlorobenzene
  - 4-Methyl-2-pentanone (MIBK)
  - Hexachloro-1,3-butadiene
  - Naphthalene
  - trans-1,3-Dichloropropene
- MSD (Lab ID: 522878)
  - 1,2,3-Trichlorobenzene
  - 1,2,4-Trichlorobenzene
  - 1,2,4-Trimethylbenzene
  - 4-Methyl-2-pentanone (MIBK)
  - Hexachloro-1,3-butadiene
  - Naphthalene

QC Batch: MSV/14815

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

### Additional Comments:

Analyte Comments:

QC Batch: MSV/14808

C9: Common Laboratory Contaminant.

- BLANK (Lab ID: 522875)
  - Acetone

N2: The lab does not hold TNI accreditation for this parameter.

- BLANK (Lab ID: 522875)
  - Isobutanol
- LCS (Lab ID: 522876)
  - Isobutanol
- MS (Lab ID: 522877)
  - Isobutanol
- MSD (Lab ID: 522878)
  - Isobutanol

QC Batch: MSV/14815

N2: The lab does not hold TNI accreditation for this parameter.

- BLANK (Lab ID: 523032)
  - Isobutanol
- LCS (Lab ID: 523033)
  - Isobutanol

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

---

**Method:** EPA 8260  
**Description:** 8260 MSV  
**Client:** Triad - MD  
**Date:** December 14, 2012

**General Information:**

1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/14789

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- GW-25 (Lab ID: 3083152014)
- Toluene-d8 (S)

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/14789

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 522099)
- Isobutanol

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/14789

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3082698002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 522100)
- Bromomethane
- Chloromethane

## REPORT OF LABORATORY ANALYSIS

## PROJECT NARRATIVE

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

---

**Method:** EPA 8260  
**Description:** 8260 MSV  
**Client:** Triad - MD  
**Date:** December 14, 2012

QC Batch: MSV/14789

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 3082698002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- Ethanol
- MSD (Lab ID: 522101)
- Bromomethane
- Chloromethane

R1: RPD value was outside control limits.

- MS (Lab ID: 522100)
- Ethanol
- MSD (Lab ID: 522101)
- Ethanol

### Additional Comments:

Analyte Comments:

QC Batch: MSV/14789

1c: Pre-analysis pH measurement indicates pH = 7.

- GW-25 (Lab ID: 3083152014)
- Acetone

N2: The lab does not hold TNI accreditation for this parameter.

- BLANK (Lab ID: 522098)
- Isobutanol
- LCS (Lab ID: 522099)
- Isobutanol
- MS (Lab ID: 522100)
- Isobutanol
- MSD (Lab ID: 522101)
- Isobutanol

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-13**      **Lab ID: 3083152001**      Collected: 12/04/12 07:50      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 3546									
Diesel Components	<b>427</b>	mg/kg	42.6	25.1	5	12/06/12 10:00	12/11/12 21:19		
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		5	12/06/12 10:00	12/11/12 21:19	84-15-1	S4
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>58.2</b>	mg/kg	10.5	2.3	1	12/13/12 13:02	12/13/12 13:23		
TPH (C06-C10)	<b>62.9</b>	mg/kg	10.5	2.4	1	12/13/12 13:02	12/13/12 13:23		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	115 %		70-130		1	12/13/12 13:02	12/13/12 13:23	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B    Preparation Method: EPA 3050									
Antimony	<b>0.66 U</b>	mg/kg	0.66	0.50	1	12/07/12 11:15	12/12/12 12:14	7440-36-0	
Arsenic	<b>9.6</b>	mg/kg	0.55	0.51	1	12/07/12 11:15	12/12/12 12:14	7440-38-2	
Beryllium	<b>1.4</b>	mg/kg	0.22	0.19	1	12/07/12 11:15	12/12/12 12:14	7440-41-7	
Cadmium	<b>0.33 U</b>	mg/kg	0.33	0.25	1	12/07/12 11:15	12/12/12 12:14	7440-43-9	
Chromium	<b>33.3</b>	mg/kg	0.55	0.23	1	12/07/12 11:15	12/12/12 12:14	7440-47-3	
Copper	<b>15.6</b>	mg/kg	1.1	0.28	1	12/07/12 11:15	12/12/12 12:14	7440-50-8	
Lead	<b>24.0</b>	mg/kg	0.55	0.46	1	12/07/12 11:15	12/12/12 12:14	7439-92-1	
Nickel	<b>24.5</b>	mg/kg	2.2	0.48	1	12/07/12 11:15	12/12/12 12:14	7440-02-0	
Selenium	<b>1.4</b>	mg/kg	0.88	0.51	1	12/07/12 11:15	12/12/12 12:14	7782-49-2	
Silver	<b>0.66 U</b>	mg/kg	0.66	0.21	1	12/07/12 11:15	12/12/12 12:14	7440-22-4	
Thallium	<b>2.2 U</b>	mg/kg	2.2	0.78	1	12/07/12 11:15	12/12/12 12:14	7440-28-0	
Zinc	<b>35.0</b>	mg/kg	1.1	0.21	1	12/07/12 11:15	12/12/12 12:14	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471    Preparation Method: EPA 7471									
Mercury	<b>0.060J</b>	mg/kg	0.12	0.0016	1	12/10/12 12:05	12/11/12 12:52	7439-97-6	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>0.53 U</b>	mg/kg	0.53	0.10	50		12/12/12 11:32	67-64-1	
tert-Amylmethyl ether	<b>0.26 U</b>	mg/kg	0.26	0.034	50		12/12/12 11:32	994-05-8	
Benzene	<b>0.26 U</b>	mg/kg	0.26	0.041	50		12/12/12 11:32	71-43-2	
Bromochloromethane	<b>0.26 U</b>	mg/kg	0.26	0.041	50		12/12/12 11:32	74-97-5	
Bromodichloromethane	<b>0.26 U</b>	mg/kg	0.26	0.095	50		12/12/12 11:32	75-27-4	
Bromoform	<b>0.26 U</b>	mg/kg	0.26	0.13	50		12/12/12 11:32	75-25-2	
Bromomethane	<b>0.26 U</b>	mg/kg	0.26	0.15	50		12/12/12 11:32	74-83-9	
2-Butanone (MEK)	<b>0.53 U</b>	mg/kg	0.53	0.066	50		12/12/12 11:32	78-93-3	
tert-Butyl Alcohol	<b>2.6 U</b>	mg/kg	2.6	0.36	50		12/12/12 11:32	75-65-0	
Carbon disulfide	<b>0.26 U</b>	mg/kg	0.26	0.040	50		12/12/12 11:32	75-15-0	
Carbon tetrachloride	<b>0.26 U</b>	mg/kg	0.26	0.047	50		12/12/12 11:32	56-23-5	
Chlorobenzene	<b>0.26 U</b>	mg/kg	0.26	0.052	50		12/12/12 11:32	108-90-7	
Chloroethane	<b>0.26 U</b>	mg/kg	0.26	0.086	50		12/12/12 11:32	75-00-3	
Chloroform	<b>0.26 U</b>	mg/kg	0.26	0.037	50		12/12/12 11:32	67-66-3	
Chloromethane	<b>0.26 U</b>	mg/kg	0.26	0.055	50		12/12/12 11:32	74-87-3	
Cyclohexane	<b>2.2</b>	mg/kg	0.53	0.066	50		12/12/12 11:32	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.26 U</b>	mg/kg	0.26	0.090	50		12/12/12 11:32	96-12-8	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Sample Project No.: 3083152

**Sample: B-13**      **Lab ID: 3083152001**      Collected: 12/04/12 07:50      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Dibromochloromethane	<b>0.26 U</b>	mg/kg	0.26	0.080	50		12/12/12 11:32	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.26 U</b>	mg/kg	0.26	0.14	50		12/12/12 11:32	106-93-4	
1,2-Dichlorobenzene	<b>0.26 U</b>	mg/kg	0.26	0.057	50		12/12/12 11:32	95-50-1	
1,3-Dichlorobenzene	<b>0.26 U</b>	mg/kg	0.26	0.067	50		12/12/12 11:32	541-73-1	
1,4-Dichlorobenzene	<b>0.26 U</b>	mg/kg	0.26	0.064	50		12/12/12 11:32	106-46-7	
Dichlorodifluoromethane	<b>0.26 U</b>	mg/kg	0.26	0.047	50		12/12/12 11:32	75-71-8	
1,1-Dichloroethane	<b>0.26 U</b>	mg/kg	0.26	0.042	50		12/12/12 11:32	75-34-3	
1,2-Dichloroethane	<b>0.26 U</b>	mg/kg	0.26	0.048	50		12/12/12 11:32	107-06-2	
1,1-Dichloroethene	<b>0.26 U</b>	mg/kg	0.26	0.043	50		12/12/12 11:32	75-35-4	
cis-1,2-Dichloroethene	<b>0.26 U</b>	mg/kg	0.26	0.13	50		12/12/12 11:32	156-59-2	
trans-1,2-Dichloroethene	<b>0.26 U</b>	mg/kg	0.26	0.043	50		12/12/12 11:32	156-60-5	
1,2-Dichloropropane	<b>0.26 U</b>	mg/kg	0.26	0.085	50		12/12/12 11:32	78-87-5	
cis-1,3-Dichloropropene	<b>0.26 U</b>	mg/kg	0.26	0.082	50		12/12/12 11:32	10061-01-5	
trans-1,3-Dichloropropene	<b>0.26 U</b>	mg/kg	0.26	0.086	50		12/12/12 11:32	10061-02-6	
Diisopropyl ether	<b>0.26 U</b>	mg/kg	0.26	0.041	50		12/12/12 11:32	108-20-3	
Ethylbenzene	<b>0.26 U</b>	mg/kg	0.26	0.14	50		12/12/12 11:32	100-41-4	
Ethyl-tert-butyl ether	<b>0.26 U</b>	mg/kg	0.26	0.041	50		12/12/12 11:32	637-92-3	
Hexachloro-1,3-butadiene	<b>0.26 U</b>	mg/kg	0.26	0.10	50		12/12/12 11:32	87-68-3	
2-Hexanone	<b>0.53 U</b>	mg/kg	0.53	0.062	50		12/12/12 11:32	591-78-6	
Isobutanol	<b>2.6 U</b>	mg/kg	2.6	1.6	50		12/12/12 11:32	78-83-1	
Isopropylbenzene (Cumene)	<b>0.32</b>	mg/kg	0.26	0.056	50		12/12/12 11:32	98-82-8	
p-Isopropyltoluene	<b>0.14J</b>	mg/kg	0.26	0.11	50		12/12/12 11:32	99-87-6	
Methyl acetate	<b>2.6 U</b>	mg/kg	2.6	0.16	50		12/12/12 11:32	79-20-9	
Methylcyclohexane	<b>5.9</b>	mg/kg	0.53	0.12	50		12/12/12 11:32	108-87-2	
Methylene Chloride	<b>0.26 U</b>	mg/kg	0.26	0.070	50		12/12/12 11:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.53 U</b>	mg/kg	0.53	0.054	50		12/12/12 11:32	108-10-1	
Methyl-tert-butyl ether	<b>0.26 U</b>	mg/kg	0.26	0.037	50		12/12/12 11:32	1634-04-4	
Naphthalene	<b>0.26 U</b>	mg/kg	0.26	0.13	50		12/12/12 11:32	91-20-3	
Styrene	<b>0.26 U</b>	mg/kg	0.26	0.058	50		12/12/12 11:32	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.26 U</b>	mg/kg	0.26	0.051	50		12/12/12 11:32	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.26 U</b>	mg/kg	0.26	0.047	50		12/12/12 11:32	79-34-5	
Tetrachloroethene	<b>0.26 U</b>	mg/kg	0.26	0.038	50		12/12/12 11:32	127-18-4	
Toluene	<b>0.26 U</b>	mg/kg	0.26	0.034	50		12/12/12 11:32	108-88-3	
1,2,3-Trichlorobenzene	<b>0.26 U</b>	mg/kg	0.26	0.077	50		12/12/12 11:32	87-61-6	
1,2,4-Trichlorobenzene	<b>0.26 U</b>	mg/kg	0.26	0.071	50		12/12/12 11:32	120-82-1	
1,1,1-Trichloroethane	<b>0.26 U</b>	mg/kg	0.26	0.14	50		12/12/12 11:32	71-55-6	
1,1,2-Trichloroethane	<b>0.26 U</b>	mg/kg	0.26	0.048	50		12/12/12 11:32	79-00-5	
Trichloroethene	<b>0.26 U</b>	mg/kg	0.26	0.040	50		12/12/12 11:32	79-01-6	
Trichlorofluoromethane	<b>0.26 U</b>	mg/kg	0.26	0.047	50		12/12/12 11:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>2.6 U</b>	mg/kg	2.6	0.035	50		12/12/12 11:32	76-13-1	
1,2,4-Trimethylbenzene	<b>0.26 U</b>	mg/kg	0.26	0.061	50		12/12/12 11:32	95-63-6	
1,3,5-Trimethylbenzene	<b>0.26 U</b>	mg/kg	0.26	0.071	50		12/12/12 11:32	108-67-8	
Vinyl acetate	<b>2.6 U</b>	mg/kg	2.6	0.074	50		12/12/12 11:32	108-05-4	
Xylene (Total)	<b>0.79 U</b>	mg/kg	0.79	0.16	50		12/12/12 11:32	1330-20-7	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-13**      **Lab ID: 3083152001**      Collected: 12/04/12 07:50      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
<b>Surrogates</b>									
Toluene-d8 (S)	105 %		70-130		50		12/12/12 11:32	2037-26-5	
4-Bromofluorobenzene (S)	98 %		70-130		50		12/12/12 11:32	460-00-4	
1,2-Dichloroethane-d4 (S)	105 %		70-130		50		12/12/12 11:32	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>22.8 %</b>		0.10	0.10	1		12/05/12 17:43		

**Sample: B-14**      **Lab ID: 3083152002**      Collected: 12/04/12 08:25      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546							
Diesel Components	<b>5.8J</b> mg/kg		9.0	5.3	1	12/06/12 10:00	12/11/12 21:42		
<b>Surrogates</b>									
o-Terphenyl (S)	58 %		50-150		1	12/06/12 10:00	12/11/12 21:42	84-15-1	
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B							
Gasoline Range Organics	<b>12.8 U</b> mg/kg		12.8	2.9	1	12/13/12 13:02	12/13/12 14:13		
TPH (C06-C10)	<b>12.8 U</b> mg/kg		12.8	2.9	1	12/13/12 13:02	12/13/12 14:13		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86 %		70-130		1	12/13/12 13:02	12/13/12 14:13	460-00-4	
<b>6010 MET ICP</b>		Analytical Method: EPA 6010B      Preparation Method: EPA 3050							
Antimony	<b>1.1</b> mg/kg		0.60	0.46	1	12/07/12 11:15	12/12/12 12:18	7440-36-0	
Arsenic	<b>8.1</b> mg/kg		0.50	0.47	1	12/07/12 11:15	12/12/12 12:18	7440-38-2	
Beryllium	<b>0.84</b> mg/kg		0.20	0.17	1	12/07/12 11:15	12/12/12 12:18	7440-41-7	
Cadmium	<b>0.30 U</b> mg/kg		0.30	0.23	1	12/07/12 11:15	12/12/12 12:18	7440-43-9	
Chromium	<b>19.3</b> mg/kg		0.50	0.21	1	12/07/12 11:15	12/12/12 12:18	7440-47-3	
Copper	<b>23.7</b> mg/kg		1.0	0.26	1	12/07/12 11:15	12/12/12 12:18	7440-50-8	
Lead	<b>107</b> mg/kg		0.50	0.42	1	12/07/12 11:15	12/12/12 12:18	7439-92-1	
Nickel	<b>15.8</b> mg/kg		2.0	0.43	1	12/07/12 11:15	12/12/12 12:18	7440-02-0	
Selenium	<b>1.0</b> mg/kg		0.80	0.46	1	12/07/12 11:15	12/12/12 12:18	7782-49-2	
Silver	<b>0.44J</b> mg/kg		0.60	0.19	1	12/07/12 11:15	12/12/12 12:18	7440-22-4	
Thallium	<b>2.0 U</b> mg/kg		2.0	0.71	1	12/07/12 11:15	12/12/12 12:18	7440-28-0	
Zinc	<b>50.7</b> mg/kg		1.0	0.19	1	12/07/12 11:15	12/12/12 12:18	7440-66-6	
<b>7471 Mercury</b>		Analytical Method: EPA 7471      Preparation Method: EPA 7471							
Mercury	<b>1.0</b> mg/kg		0.28	0.0036	2	12/10/12 12:05	12/11/12 14:47	7439-97-6	
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Acetone	<b>0.017</b> mg/kg		0.015	0.0029	1		12/10/12 12:18	67-64-1	

Date: 12/14/2012 04:48 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Sample: B-14 Lab ID: 3083152002 Collected: 12/04/12 08:25 Received: 12/05/12 09:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
tert-Amylmethyl ether	0.0075 U	mg/kg	0.0075	0.00098	1		12/10/12 12:18	994-05-8	
Benzene	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	71-43-2	
Bromochloromethane	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	74-97-5	
Bromodichloromethane	0.0075 U	mg/kg	0.0075	0.0027	1		12/10/12 12:18	75-27-4	
Bromoform	0.0075 U	mg/kg	0.0075	0.0038	1		12/10/12 12:18	75-25-2	
Bromomethane	0.0075 U	mg/kg	0.0075	0.0044	1		12/10/12 12:18	74-83-9	
2-Butanone (MEK)	0.015 U	mg/kg	0.015	0.0019	1		12/10/12 12:18	78-93-3	
tert-Butyl Alcohol	0.075 U	mg/kg	0.075	0.010	1		12/10/12 12:18	75-65-0	
Carbon disulfide	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	75-15-0	
Carbon tetrachloride	0.0075 U	mg/kg	0.0075	0.0013	1		12/10/12 12:18	56-23-5	
Chlorobenzene	0.0075 U	mg/kg	0.0075	0.0015	1		12/10/12 12:18	108-90-7	
Chloroethane	0.0075 U	mg/kg	0.0075	0.0025	1		12/10/12 12:18	75-00-3	
Chloroform	0.0075 U	mg/kg	0.0075	0.0011	1		12/10/12 12:18	67-66-3	
Chloromethane	0.0075 U	mg/kg	0.0075	0.0016	1		12/10/12 12:18	74-87-3	
Cyclohexane	0.0024J	mg/kg	0.015	0.0019	1		12/10/12 12:18	110-82-7	
1,2-Dibromo-3-chloropropane	0.0075 U	mg/kg	0.0075	0.0026	1		12/10/12 12:18	96-12-8	
Dibromochloromethane	0.0075 U	mg/kg	0.0075	0.0023	1		12/10/12 12:18	124-48-1	
1,2-Dibromoethane (EDB)	0.0075 U	mg/kg	0.0075	0.0039	1		12/10/12 12:18	106-93-4	
1,2-Dichlorobenzene	0.0075 U	mg/kg	0.0075	0.0016	1		12/10/12 12:18	95-50-1	
1,3-Dichlorobenzene	0.0075 U	mg/kg	0.0075	0.0019	1		12/10/12 12:18	541-73-1	
1,4-Dichlorobenzene	0.0075 U	mg/kg	0.0075	0.0018	1		12/10/12 12:18	106-46-7	
Dichlorodifluoromethane	0.0075 U	mg/kg	0.0075	0.0013	1		12/10/12 12:18	75-71-8	
1,1-Dichloroethane	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	75-34-3	
1,2-Dichloroethane	0.0075 U	mg/kg	0.0075	0.0014	1		12/10/12 12:18	107-06-2	
1,1-Dichloroethene	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	75-35-4	
cis-1,2-Dichloroethene	0.0075 U	mg/kg	0.0075	0.0037	1		12/10/12 12:18	156-59-2	
trans-1,2-Dichloroethene	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	156-60-5	
1,2-Dichloropropane	0.0075 U	mg/kg	0.0075	0.0024	1		12/10/12 12:18	78-87-5	
cis-1,3-Dichloropropene	0.0075 U	mg/kg	0.0075	0.0024	1		12/10/12 12:18	10061-01-5	
trans-1,3-Dichloropropene	0.0075 U	mg/kg	0.0075	0.0025	1		12/10/12 12:18	10061-02-6	
Diisopropyl ether	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	108-20-3	
Ethylbenzene	0.0075 U	mg/kg	0.0075	0.0039	1		12/10/12 12:18	100-41-4	
Ethyl-tert-butyl ether	0.0075 U	mg/kg	0.0075	0.0012	1		12/10/12 12:18	637-92-3	
Hexachloro-1,3-butadiene	0.0075 U	mg/kg	0.0075	0.0030	1		12/10/12 12:18	87-68-3	
2-Hexanone	0.015 U	mg/kg	0.015	0.0018	1		12/10/12 12:18	591-78-6	
Isobutanol	0.075 U	mg/kg	0.075	0.045	1		12/10/12 12:18	78-83-1	
Isopropylbenzene (Cumene)	0.0075 U	mg/kg	0.0075	0.0016	1		12/10/12 12:18	98-82-8	
p-Isopropyltoluene	0.0075 U	mg/kg	0.0075	0.0031	1		12/10/12 12:18	99-87-6	
Methyl acetate	0.075 U	mg/kg	0.075	0.0046	1		12/10/12 12:18	79-20-9	
Methylcyclohexane	0.0048J	mg/kg	0.015	0.0035	1		12/10/12 12:18	108-87-2	
Methylene Chloride	0.0031J	mg/kg	0.0075	0.0020	1		12/10/12 12:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.015 U	mg/kg	0.015	0.0016	1		12/10/12 12:18	108-10-1	
Methyl-tert-butyl ether	0.0075 U	mg/kg	0.0075	0.0011	1		12/10/12 12:18	1634-04-4	
Naphthalene	0.0075 U	mg/kg	0.0075	0.0038	1		12/10/12 12:18	91-20-3	
Styrene	0.0075 U	mg/kg	0.0075	0.0017	1		12/10/12 12:18	100-42-5	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-14**      **Lab ID: 3083152002**      Collected: 12/04/12 08:25      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.0075 U</b>	mg/kg	0.0075	0.0015	1		12/10/12 12:18	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.0075 U</b>	mg/kg	0.0075	0.0013	1		12/10/12 12:18	79-34-5	
Tetrachloroethene	<b>0.0075 U</b>	mg/kg	0.0075	0.0011	1		12/10/12 12:18	127-18-4	
Toluene	<b>0.0075 U</b>	mg/kg	0.0075	0.00097	1		12/10/12 12:18	108-88-3	
1,2,3-Trichlorobenzene	<b>0.0075 U</b>	mg/kg	0.0075	0.0022	1		12/10/12 12:18	87-61-6	
1,2,4-Trichlorobenzene	<b>0.0075 U</b>	mg/kg	0.0075	0.0021	1		12/10/12 12:18	120-82-1	
1,1,1-Trichloroethane	<b>0.0075 U</b>	mg/kg	0.0075	0.0039	1		12/10/12 12:18	71-55-6	
1,1,2-Trichloroethane	<b>0.0075 U</b>	mg/kg	0.0075	0.0014	1		12/10/12 12:18	79-00-5	
Trichloroethene	<b>0.0075 U</b>	mg/kg	0.0075	0.0011	1		12/10/12 12:18	79-01-6	
Trichlorofluoromethane	<b>0.0075 U</b>	mg/kg	0.0075	0.0013	1		12/10/12 12:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.075 U</b>	mg/kg	0.075	0.0010	1		12/10/12 12:18	76-13-1	
1,2,4-Trimethylbenzene	<b>0.0075 U</b>	mg/kg	0.0075	0.0018	1		12/10/12 12:18	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0075 U</b>	mg/kg	0.0075	0.0020	1		12/10/12 12:18	108-67-8	
Vinyl acetate	<b>0.075 U</b>	mg/kg	0.075	0.0021	1		12/10/12 12:18	108-05-4	
Xylene (Total)	<b>0.023 U</b>	mg/kg	0.023	0.0046	1		12/10/12 12:18	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99 %		70-130		1		12/10/12 12:18	2037-26-5	
4-Bromofluorobenzene (S)	101 %		70-130		1		12/10/12 12:18	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		70-130		1		12/10/12 12:18	17060-07-0	

**Percent Moisture**      Analytical Method: ASTM D2974-87

Percent Moisture      **27.9 %**      0.10      0.10      1      12/05/12 17:43

**Sample: B-15**      **Lab ID: 3083152003**      Collected: 12/04/12 08:35      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	<b>509</b>	mg/kg	120	70.5	10	12/06/12 10:00	12/11/12 05:40		
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		10	12/06/12 10:00	12/11/12 05:40	84-15-1	S4
<b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>615</b>	mg/kg	197	44.0	10	12/13/12 13:02	12/13/12 14:30		
TPH (C06-C10)	<b>650</b>	mg/kg	197	45.4	10	12/13/12 13:02	12/13/12 14:30		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90 %		70-130		10	12/13/12 13:02	12/13/12 14:30	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010B      Preparation Method: EPA 3050									
Antimony	<b>1.0 U</b>	mg/kg	1.0	0.76	1	12/07/12 11:15	12/12/12 12:22	7440-36-0	
Arsenic	<b>18.9</b>	mg/kg	0.84	0.78	1	12/07/12 11:15	12/12/12 12:22	7440-38-2	
Beryllium	<b>2.4</b>	mg/kg	0.34	0.29	1	12/07/12 11:15	12/12/12 12:22	7440-41-7	



## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-15**      **Lab ID: 3083152003**      Collected: 12/04/12 08:35      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B      Preparation Method: EPA 3050									
Cadmium	<b>0.50 U</b>	mg/kg	0.50	0.39	1	12/07/12 11:15	12/12/12 12:22	7440-43-9	
Chromium	<b>45.3</b>	mg/kg	0.84	0.35	1	12/07/12 11:15	12/12/12 12:22	7440-47-3	
Copper	<b>25.8</b>	mg/kg	1.7	0.43	1	12/07/12 11:15	12/12/12 12:22	7440-50-8	
Lead	<b>40.9</b>	mg/kg	0.84	0.71	1	12/07/12 11:15	12/12/12 12:22	7439-92-1	
Nickel	<b>46.9</b>	mg/kg	3.4	0.73	1	12/07/12 11:15	12/12/12 12:22	7440-02-0	
Selenium	<b>1.4</b>	mg/kg	1.3	0.78	1	12/07/12 11:15	12/12/12 12:22	7782-49-2	
Silver	<b>0.38J</b>	mg/kg	1.0	0.32	1	12/07/12 11:15	12/12/12 12:22	7440-22-4	
Thallium	<b>3.4 U</b>	mg/kg	3.4	1.2	1	12/07/12 11:15	12/12/12 12:22	7440-28-0	
Zinc	<b>134</b>	mg/kg	1.7	0.32	1	12/07/12 11:15	12/12/12 12:22	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.22</b>	mg/kg	0.17	0.0022	1	12/10/12 12:05	12/11/12 13:00	7439-97-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Acetone	<b>0.99 U</b>	mg/kg	0.99	0.19	50		12/12/12 11:55	67-64-1	
tert-Amylmethyl ether	<b>0.49 U</b>	mg/kg	0.49	0.064	50		12/12/12 11:55	994-05-8	
Benzene	<b>0.49 U</b>	mg/kg	0.49	0.077	50		12/12/12 11:55	71-43-2	
Bromochloromethane	<b>0.49 U</b>	mg/kg	0.49	0.077	50		12/12/12 11:55	74-97-5	
Bromodichloromethane	<b>0.49 U</b>	mg/kg	0.49	0.18	50		12/12/12 11:55	75-27-4	
Bromoform	<b>0.49 U</b>	mg/kg	0.49	0.25	50		12/12/12 11:55	75-25-2	
Bromomethane	<b>0.49 U</b>	mg/kg	0.49	0.29	50		12/12/12 11:55	74-83-9	
2-Butanone (MEK)	<b>0.99 U</b>	mg/kg	0.99	0.12	50		12/12/12 11:55	78-93-3	
tert-Butyl Alcohol	<b>4.9 U</b>	mg/kg	4.9	0.68	50		12/12/12 11:55	75-65-0	
Carbon disulfide	<b>0.49 U</b>	mg/kg	0.49	0.076	50		12/12/12 11:55	75-15-0	
Carbon tetrachloride	<b>0.49 U</b>	mg/kg	0.49	0.088	50		12/12/12 11:55	56-23-5	
Chlorobenzene	<b>0.49 U</b>	mg/kg	0.49	0.098	50		12/12/12 11:55	108-90-7	
Chloroethane	<b>0.49 U</b>	mg/kg	0.49	0.16	50		12/12/12 11:55	75-00-3	
Chloroform	<b>0.49 U</b>	mg/kg	0.49	0.070	50		12/12/12 11:55	67-66-3	
Chloromethane	<b>0.49 U</b>	mg/kg	0.49	0.10	50		12/12/12 11:55	74-87-3	
Cyclohexane	<b>0.99 U</b>	mg/kg	0.99	0.12	50		12/12/12 11:55	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.49 U</b>	mg/kg	0.49	0.17	50		12/12/12 11:55	96-12-8	
Dibromochloromethane	<b>0.49 U</b>	mg/kg	0.49	0.15	50		12/12/12 11:55	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.49 U</b>	mg/kg	0.49	0.26	50		12/12/12 11:55	106-93-4	
1,2-Dichlorobenzene	<b>0.49 U</b>	mg/kg	0.49	0.11	50		12/12/12 11:55	95-50-1	
1,3-Dichlorobenzene	<b>0.49 U</b>	mg/kg	0.49	0.13	50		12/12/12 11:55	541-73-1	
1,4-Dichlorobenzene	<b>0.49 U</b>	mg/kg	0.49	0.12	50		12/12/12 11:55	106-46-7	
Dichlorodifluoromethane	<b>0.49 U</b>	mg/kg	0.49	0.088	50		12/12/12 11:55	75-71-8	
1,1-Dichloroethane	<b>0.49 U</b>	mg/kg	0.49	0.078	50		12/12/12 11:55	75-34-3	
1,2-Dichloroethane	<b>0.49 U</b>	mg/kg	0.49	0.090	50		12/12/12 11:55	107-06-2	
1,1-Dichloroethene	<b>0.49 U</b>	mg/kg	0.49	0.080	50		12/12/12 11:55	75-35-4	
cis-1,2-Dichloroethene	<b>0.49 U</b>	mg/kg	0.49	0.24	50		12/12/12 11:55	156-59-2	
trans-1,2-Dichloroethene	<b>0.49 U</b>	mg/kg	0.49	0.081	50		12/12/12 11:55	156-60-5	
1,2-Dichloropropane	<b>0.49 U</b>	mg/kg	0.49	0.16	50		12/12/12 11:55	78-87-5	
cis-1,3-Dichloropropene	<b>0.49 U</b>	mg/kg	0.49	0.15	50		12/12/12 11:55	10061-01-5	
trans-1,3-Dichloropropene	<b>0.49 U</b>	mg/kg	0.49	0.16	50		12/12/12 11:55	10061-02-6	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-15**      **Lab ID: 3083152003**      Collected: 12/04/12 08:35      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Diisopropyl ether	<b>0.49 U</b>	mg/kg	0.49	0.077	50		12/12/12 11:55	108-20-3	
Ethylbenzene	<b>0.49 U</b>	mg/kg	0.49	0.25	50		12/12/12 11:55	100-41-4	
Ethyl-tert-butyl ether	<b>0.49 U</b>	mg/kg	0.49	0.078	50		12/12/12 11:55	637-92-3	
Hexachloro-1,3-butadiene	<b>0.49 U</b>	mg/kg	0.49	0.20	50		12/12/12 11:55	87-68-3	
2-Hexanone	<b>0.99 U</b>	mg/kg	0.99	0.12	50		12/12/12 11:55	591-78-6	
Isobutanol	<b>4.9 U</b>	mg/kg	4.9	2.9	50		12/12/12 11:55	78-83-1	
Isopropylbenzene (Cumene)	<b>1.6</b>	mg/kg	0.49	0.10	50		12/12/12 11:55	98-82-8	
p-Isopropyltoluene	<b>0.29J</b>	mg/kg	0.49	0.20	50		12/12/12 11:55	99-87-6	
Methyl acetate	<b>4.9 U</b>	mg/kg	4.9	0.30	50		12/12/12 11:55	79-20-9	
Methylcyclohexane	<b>28.3</b>	mg/kg	0.99	0.23	50		12/12/12 11:55	108-87-2	
Methylene Chloride	<b>0.49 U</b>	mg/kg	0.49	0.13	50		12/12/12 11:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.99 U</b>	mg/kg	0.99	0.10	50		12/12/12 11:55	108-10-1	
Methyl-tert-butyl ether	<b>0.49 U</b>	mg/kg	0.49	0.070	50		12/12/12 11:55	1634-04-4	
Naphthalene	<b>0.49 U</b>	mg/kg	0.49	0.25	50		12/12/12 11:55	91-20-3	
Styrene	<b>0.49 U</b>	mg/kg	0.49	0.11	50		12/12/12 11:55	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.49 U</b>	mg/kg	0.49	0.095	50		12/12/12 11:55	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.49 U</b>	mg/kg	0.49	0.088	50		12/12/12 11:55	79-34-5	
Tetrachloroethene	<b>0.49 U</b>	mg/kg	0.49	0.072	50		12/12/12 11:55	127-18-4	
Toluene	<b>0.49 U</b>	mg/kg	0.49	0.063	50		12/12/12 11:55	108-88-3	
1,2,3-Trichlorobenzene	<b>0.49 U</b>	mg/kg	0.49	0.15	50		12/12/12 11:55	87-61-6	
1,2,4-Trichlorobenzene	<b>0.49 U</b>	mg/kg	0.49	0.13	50		12/12/12 11:55	120-82-1	
1,1,1-Trichloroethane	<b>0.49 U</b>	mg/kg	0.49	0.26	50		12/12/12 11:55	71-55-6	
1,1,2-Trichloroethane	<b>0.49 U</b>	mg/kg	0.49	0.091	50		12/12/12 11:55	79-00-5	
Trichloroethene	<b>0.49 U</b>	mg/kg	0.49	0.075	50		12/12/12 11:55	79-01-6	
Trichlorofluoromethane	<b>0.49 U</b>	mg/kg	0.49	0.088	50		12/12/12 11:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>4.9 U</b>	mg/kg	4.9	0.066	50		12/12/12 11:55	76-13-1	
1,2,4-Trimethylbenzene	<b>0.49 U</b>	mg/kg	0.49	0.11	50		12/12/12 11:55	95-63-6	
1,3,5-Trimethylbenzene	<b>0.49 U</b>	mg/kg	0.49	0.13	50		12/12/12 11:55	108-67-8	
Vinyl acetate	<b>4.9 U</b>	mg/kg	4.9	0.14	50		12/12/12 11:55	108-05-4	
Xylene (Total)	<b>1.5 U</b>	mg/kg	1.5	0.30	50		12/12/12 11:55	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	116 %		70-130		50		12/12/12 11:55	2037-26-5	
4-Bromofluorobenzene (S)	106 %		70-130		50		12/12/12 11:55	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		70-130		50		12/12/12 11:55	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>44.9 %</b>		0.10	0.10	1		12/05/12 17:43		

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-16**      **Lab ID: 3083152004**      Collected: 12/04/12 08:45      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	<b>87.8</b>	mg/kg	38.3	22.6	5	12/06/12 10:00	12/11/12 22:27		3c
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		5	12/06/12 10:00	12/11/12 22:27	84-15-1	S4
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>9.5 U</b>	mg/kg	9.5	2.1	1	12/13/12 13:02	12/13/12 14:46		
TPH (C06-C10)	<b>9.5 U</b>	mg/kg	9.5	2.2	1	12/13/12 13:02	12/13/12 14:46		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89 %		70-130		1	12/13/12 13:02	12/13/12 14:46	460-00-4	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>0.011 U</b>	mg/kg	0.011	0.0022	1		12/10/12 12:45	67-64-1	
tert-Amylmethyl ether	<b>0.0055 U</b>	mg/kg	0.0055	0.00072	1		12/10/12 12:45	994-05-8	
Benzene	<b>0.0015J</b>	mg/kg	0.0055	0.00086	1		12/10/12 12:45	71-43-2	
Bromochloromethane	<b>0.0055 U</b>	mg/kg	0.0055	0.00086	1		12/10/12 12:45	74-97-5	
Bromodichloromethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0020	1		12/10/12 12:45	75-27-4	
Bromoform	<b>0.0055 U</b>	mg/kg	0.0055	0.0028	1		12/10/12 12:45	75-25-2	
Bromomethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0033	1		12/10/12 12:45	74-83-9	
2-Butanone (MEK)	<b>0.011 U</b>	mg/kg	0.011	0.0014	1		12/10/12 12:45	78-93-3	
tert-Butyl Alcohol	<b>0.055 U</b>	mg/kg	0.055	0.0077	1		12/10/12 12:45	75-65-0	
Carbon disulfide	<b>0.0055 U</b>	mg/kg	0.0055	0.00085	1		12/10/12 12:45	75-15-0	
Carbon tetrachloride	<b>0.0055 U</b>	mg/kg	0.0055	0.00098	1		12/10/12 12:45	56-23-5	
Chlorobenzene	<b>0.0055 U</b>	mg/kg	0.0055	0.0011	1		12/10/12 12:45	108-90-7	
Chloroethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0018	1		12/10/12 12:45	75-00-3	
Chloroform	<b>0.0055 U</b>	mg/kg	0.0055	0.00079	1		12/10/12 12:45	67-66-3	
Chloromethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0012	1		12/10/12 12:45	74-87-3	
Cyclohexane	<b>0.011 U</b>	mg/kg	0.011	0.0014	1		12/10/12 12:45	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.0055 U</b>	mg/kg	0.0055	0.0019	1		12/10/12 12:45	96-12-8	
Dibromochloromethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0017	1		12/10/12 12:45	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.0055 U</b>	mg/kg	0.0055	0.0029	1		12/10/12 12:45	106-93-4	
1,2-Dichlorobenzene	<b>0.0055 U</b>	mg/kg	0.0055	0.0012	1		12/10/12 12:45	95-50-1	
1,3-Dichlorobenzene	<b>0.0055 U</b>	mg/kg	0.0055	0.0014	1		12/10/12 12:45	541-73-1	
1,4-Dichlorobenzene	<b>0.0055 U</b>	mg/kg	0.0055	0.0013	1		12/10/12 12:45	106-46-7	
Dichlorodifluoromethane	<b>0.0055 U</b>	mg/kg	0.0055	0.00098	1		12/10/12 12:45	75-71-8	
1,1-Dichloroethane	<b>0.0055 U</b>	mg/kg	0.0055	0.00088	1		12/10/12 12:45	75-34-3	
1,2-Dichloroethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0010	1		12/10/12 12:45	107-06-2	
1,1-Dichloroethene	<b>0.0055 U</b>	mg/kg	0.0055	0.00090	1		12/10/12 12:45	75-35-4	
cis-1,2-Dichloroethene	<b>0.0055 U</b>	mg/kg	0.0055	0.0027	1		12/10/12 12:45	156-59-2	
trans-1,2-Dichloroethene	<b>0.0055 U</b>	mg/kg	0.0055	0.00091	1		12/10/12 12:45	156-60-5	
1,2-Dichloropropane	<b>0.0055 U</b>	mg/kg	0.0055	0.0018	1		12/10/12 12:45	78-87-5	
cis-1,3-Dichloropropene	<b>0.0055 U</b>	mg/kg	0.0055	0.0017	1		12/10/12 12:45	10061-01-5	
trans-1,3-Dichloropropene	<b>0.0055 U</b>	mg/kg	0.0055	0.0018	1		12/10/12 12:45	10061-02-6	
Diisopropyl ether	<b>0.0055 U</b>	mg/kg	0.0055	0.00087	1		12/10/12 12:45	108-20-3	
Ethylbenzene	<b>0.0055 U</b>	mg/kg	0.0055	0.0028	1		12/10/12 12:45	100-41-4	
Ethyl-tert-butyl ether	<b>0.0055 U</b>	mg/kg	0.0055	0.00087	1		12/10/12 12:45	637-92-3	

### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-16** Lab ID: **3083152004** Collected: 12/04/12 08:45 Received: 12/05/12 09:45 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Hexachloro-1,3-butadiene	<b>0.0055 U</b>	mg/kg	0.0055	0.0022	1		12/10/12 12:45	87-68-3	
2-Hexanone	<b>0.011 U</b>	mg/kg	0.011	0.0013	1		12/10/12 12:45	591-78-6	
Isobutanol	<b>0.055 U</b>	mg/kg	0.055	0.033	1		12/10/12 12:45	78-83-1	
Isopropylbenzene (Cumene)	<b>0.0055 U</b>	mg/kg	0.0055	0.0012	1		12/10/12 12:45	98-82-8	
p-Isopropyltoluene	<b>0.0055 U</b>	mg/kg	0.0055	0.0023	1		12/10/12 12:45	99-87-6	
Methyl acetate	<b>0.055 U</b>	mg/kg	0.055	0.0033	1		12/10/12 12:45	79-20-9	
Methylcyclohexane	<b>0.0045J</b>	mg/kg	0.011	0.0026	1		12/10/12 12:45	108-87-2	
Methylene Chloride	<b>0.0055 U</b>	mg/kg	0.0055	0.0015	1		12/10/12 12:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.011 U</b>	mg/kg	0.011	0.0011	1		12/10/12 12:45	108-10-1	
Methyl-tert-butyl ether	<b>0.0055 U</b>	mg/kg	0.0055	0.00079	1		12/10/12 12:45	1634-04-4	
Naphthalene	<b>0.014</b>	mg/kg	0.0055	0.0028	1		12/10/12 12:45	91-20-3	
Styrene	<b>0.0055 U</b>	mg/kg	0.0055	0.0012	1		12/10/12 12:45	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0011	1		12/10/12 12:45	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.0055 U</b>	mg/kg	0.0055	0.00098	1		12/10/12 12:45	79-34-5	
Tetrachloroethene	<b>0.0055 U</b>	mg/kg	0.0055	0.00080	1		12/10/12 12:45	127-18-4	
Toluene	<b>0.0055 U</b>	mg/kg	0.0055	0.00071	1		12/10/12 12:45	108-88-3	
1,2,3-Trichlorobenzene	<b>0.0055 U</b>	mg/kg	0.0055	0.0016	1		12/10/12 12:45	87-61-6	
1,2,4-Trichlorobenzene	<b>0.0055 U</b>	mg/kg	0.0055	0.0015	1		12/10/12 12:45	120-82-1	
1,1,1-Trichloroethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0029	1		12/10/12 12:45	71-55-6	
1,1,2-Trichloroethane	<b>0.0055 U</b>	mg/kg	0.0055	0.0010	1		12/10/12 12:45	79-00-5	
Trichloroethene	<b>0.0055 U</b>	mg/kg	0.0055	0.00084	1		12/10/12 12:45	79-01-6	
Trichlorofluoromethane	<b>0.0055 U</b>	mg/kg	0.0055	0.00098	1		12/10/12 12:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.055 U</b>	mg/kg	0.055	0.00074	1		12/10/12 12:45	76-13-1	
1,2,4-Trimethylbenzene	<b>0.0092</b>	mg/kg	0.0055	0.0013	1		12/10/12 12:45	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0027J</b>	mg/kg	0.0055	0.0015	1		12/10/12 12:45	108-67-8	
Vinyl acetate	<b>0.055 U</b>	mg/kg	0.055	0.0015	1		12/10/12 12:45	108-05-4	
Xylene (Total)	<b>0.0051J</b>	mg/kg	0.017	0.0034	1		12/10/12 12:45	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	100 %		70-130		1		12/10/12 12:45	2037-26-5	
4-Bromofluorobenzene (S)	103 %		70-130		1		12/10/12 12:45	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		70-130		1		12/10/12 12:45	17060-07-0	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	<b>13.8 %</b>		0.10	0.10	1		12/05/12 17:44		
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**Sample: B-17** Lab ID: **3083152005** Collected: 12/04/12 09:00 Received: 12/05/12 09:45 Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified Preparation Method: EPA 3546									
Diesel Components	<b>5.9J</b>	mg/kg	8.3	4.9	1	12/06/12 10:00	12/11/12 07:12		
<b>Surrogates</b>									
o-Terphenyl (S)	51 %		50-150		1	12/06/12 10:00	12/11/12 07:12	84-15-1	

Date: 12/14/2012 04:48 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-17**      **Lab ID: 3083152005**      Collected: 12/04/12 09:00      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B							
Gasoline Range Organics	<b>10.7 U</b>	mg/kg	10.7	2.4	1	12/13/12 13:02	12/13/12 15:03		
TPH (C06-C10)	<b>10.7 U</b>	mg/kg	10.7	2.5	1	12/13/12 13:02	12/13/12 15:03		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85 %		70-130		1	12/13/12 13:02	12/13/12 15:03	460-00-4	
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Acetone	<b>0.0063J</b>	mg/kg	0.010	0.0020	1		12/10/12 14:05	67-64-1	
tert-Amylmethyl ether	<b>0.0051 U</b>	mg/kg	0.0051	0.00067	1		12/10/12 14:05	994-05-8	
Benzene	<b>0.0051 U</b>	mg/kg	0.0051	0.00080	1		12/10/12 14:05	71-43-2	
Bromochloromethane	<b>0.0051 U</b>	mg/kg	0.0051	0.00080	1		12/10/12 14:05	74-97-5	
Bromodichloromethane	<b>0.0051 U</b>	mg/kg	0.0051	0.0019	1		12/10/12 14:05	75-27-4	
Bromoform	<b>0.0051 U</b>	mg/kg	0.0051	0.0026	1		12/10/12 14:05	75-25-2	
Bromomethane	<b>0.0051 U</b>	mg/kg	0.0051	0.0030	1		12/10/12 14:05	74-83-9	
2-Butanone (MEK)	<b>0.010 U</b>	mg/kg	0.010	0.0013	1		12/10/12 14:05	78-93-3	
tert-Butyl Alcohol	<b>0.051 U</b>	mg/kg	0.051	0.0071	1		12/10/12 14:05	75-65-0	
Carbon disulfide	<b>0.0051 U</b>	mg/kg	0.0051	0.00079	1		12/10/12 14:05	75-15-0	
Carbon tetrachloride	<b>0.0051 U</b>	mg/kg	0.0051	0.00092	1		12/10/12 14:05	56-23-5	
Chlorobenzene	<b>0.0051 U</b>	mg/kg	0.0051	0.0010	1		12/10/12 14:05	108-90-7	
Chloroethane	<b>0.0051 U</b>	mg/kg	0.0051	0.0017	1		12/10/12 14:05	75-00-3	
Chloroform	<b>0.0051 U</b>	mg/kg	0.0051	0.00073	1		12/10/12 14:05	67-66-3	
Chloromethane	<b>0.0051 U</b>	mg/kg	0.0051	0.0011	1		12/10/12 14:05	74-87-3	
Cyclohexane	<b>0.010 U</b>	mg/kg	0.010	0.0013	1		12/10/12 14:05	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.0051 U</b>	mg/kg	0.0051	0.0018	1		12/10/12 14:05	96-12-8	
Dibromochloromethane	<b>0.0051 U</b>	mg/kg	0.0051	0.0016	1		12/10/12 14:05	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.0051 U</b>	mg/kg	0.0051	0.0027	1		12/10/12 14:05	106-93-4	
1,2-Dichlorobenzene	<b>0.0051 U</b>	mg/kg	0.0051	0.0011	1		12/10/12 14:05	95-50-1	
1,3-Dichlorobenzene	<b>0.0051 U</b>	mg/kg	0.0051	0.0013	1		12/10/12 14:05	541-73-1	
1,4-Dichlorobenzene	<b>0.0051 U</b>	mg/kg	0.0051	0.0013	1		12/10/12 14:05	106-46-7	
Dichlorodifluoromethane	<b>0.0051 U</b>	mg/kg	0.0051	0.00092	1		12/10/12 14:05	75-71-8	
1,1-Dichloroethane	<b>0.0051 U</b>	mg/kg	0.0051	0.00082	1		12/10/12 14:05	75-34-3	
1,2-Dichloroethane	<b>0.0051 U</b>	mg/kg	0.0051	0.00094	1		12/10/12 14:05	107-06-2	
1,1-Dichloroethene	<b>0.0051 U</b>	mg/kg	0.0051	0.00083	1		12/10/12 14:05	75-35-4	
cis-1,2-Dichloroethene	<b>0.0051 U</b>	mg/kg	0.0051	0.0025	1		12/10/12 14:05	156-59-2	
trans-1,2-Dichloroethene	<b>0.0051 U</b>	mg/kg	0.0051	0.00084	1		12/10/12 14:05	156-60-5	
1,2-Dichloropropane	<b>0.0051 U</b>	mg/kg	0.0051	0.0017	1		12/10/12 14:05	78-87-5	
cis-1,3-Dichloropropene	<b>0.0051 U</b>	mg/kg	0.0051	0.0016	1		12/10/12 14:05	10061-01-5	
trans-1,3-Dichloropropene	<b>0.0051 U</b>	mg/kg	0.0051	0.0017	1		12/10/12 14:05	10061-02-6	
Diisopropyl ether	<b>0.0051 U</b>	mg/kg	0.0051	0.00081	1		12/10/12 14:05	108-20-3	
Ethylbenzene	<b>0.0051 U</b>	mg/kg	0.0051	0.0026	1		12/10/12 14:05	100-41-4	
Ethyl-tert-butyl ether	<b>0.0051 U</b>	mg/kg	0.0051	0.00081	1		12/10/12 14:05	637-92-3	
Hexachloro-1,3-butadiene	<b>0.0051 U</b>	mg/kg	0.0051	0.0020	1		12/10/12 14:05	87-68-3	
2-Hexanone	<b>0.010 U</b>	mg/kg	0.010	0.0012	1		12/10/12 14:05	591-78-6	
Isobutanol	<b>0.051 U</b>	mg/kg	0.051	0.031	1		12/10/12 14:05	78-83-1	
Isopropylbenzene (Cumene)	<b>0.0051 U</b>	mg/kg	0.0051	0.0011	1		12/10/12 14:05	98-82-8	
p-Isopropyltoluene	<b>0.0051 U</b>	mg/kg	0.0051	0.0021	1		12/10/12 14:05	99-87-6	

### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-17**      **Lab ID: 3083152005**      Collected: 12/04/12 09:00      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Methyl acetate	0.051 U	mg/kg	0.051	0.0031	1		12/10/12 14:05	79-20-9	
Methylcyclohexane	0.0027J	mg/kg	0.010	0.0024	1		12/10/12 14:05	108-87-2	
Methylene Chloride	0.0051 U	mg/kg	0.0051	0.0014	1		12/10/12 14:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.010 U	mg/kg	0.010	0.0011	1		12/10/12 14:05	108-10-1	
Methyl-tert-butyl ether	0.0051 U	mg/kg	0.0051	0.00073	1		12/10/12 14:05	1634-04-4	
Naphthalene	0.0051 U	mg/kg	0.0051	0.0026	1		12/10/12 14:05	91-20-3	
Styrene	0.0051 U	mg/kg	0.0051	0.0011	1		12/10/12 14:05	100-42-5	
1,1,1,2-Tetrachloroethane	0.0051 U	mg/kg	0.0051	0.00099	1		12/10/12 14:05	630-20-6	
1,1,2,2-Tetrachloroethane	0.0051 U	mg/kg	0.0051	0.00091	1		12/10/12 14:05	79-34-5	
Tetrachloroethene	0.0051 U	mg/kg	0.0051	0.00075	1		12/10/12 14:05	127-18-4	
Toluene	0.0051 U	mg/kg	0.0051	0.00066	1		12/10/12 14:05	108-88-3	
1,2,3-Trichlorobenzene	0.0051 U	mg/kg	0.0051	0.0015	1		12/10/12 14:05	87-61-6	
1,2,4-Trichlorobenzene	0.0051 U	mg/kg	0.0051	0.0014	1		12/10/12 14:05	120-82-1	
1,1,1-Trichloroethane	0.0051 U	mg/kg	0.0051	0.0027	1		12/10/12 14:05	71-55-6	
1,1,2-Trichloroethane	0.0051 U	mg/kg	0.0051	0.00095	1		12/10/12 14:05	79-00-5	
Trichloroethene	0.0051 U	mg/kg	0.0051	0.00078	1		12/10/12 14:05	79-01-6	
Trichlorofluoromethane	0.0051 U	mg/kg	0.0051	0.00092	1		12/10/12 14:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.051 U	mg/kg	0.051	0.00068	1		12/10/12 14:05	76-13-1	
1,2,4-Trimethylbenzene	0.0051 U	mg/kg	0.0051	0.0012	1		12/10/12 14:05	95-63-6	
1,3,5-Trimethylbenzene	0.0051 U	mg/kg	0.0051	0.0014	1		12/10/12 14:05	108-67-8	
Vinyl acetate	0.051 U	mg/kg	0.051	0.0014	1		12/10/12 14:05	108-05-4	
Xylene (Total)	0.015 U	mg/kg	0.015	0.0031	1		12/10/12 14:05	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99 %		70-130		1		12/10/12 14:05	2037-26-5	
4-Bromofluorobenzene (S)	105 %		70-130		1		12/10/12 14:05	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		70-130		1		12/10/12 14:05	17060-07-0	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	21.3 %		0.10	0.10	1		12/05/12 17:44		

**Sample: B-18**      **Lab ID: 3083152006**      Collected: 12/04/12 09:15      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	17.2	mg/kg	7.9	4.7	1	12/06/12 10:00	12/11/12 07:35		3c
<b>Surrogates</b>									
o-Terphenyl (S)	85 %		50-150		1	12/06/12 10:00	12/11/12 07:35	84-15-1	
<b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	11.5 U	mg/kg	11.5	2.6	1	12/13/12 13:02	12/13/12 17:33		
TPH (C06-C10)	11.5 U	mg/kg	11.5	2.6	1	12/13/12 13:02	12/13/12 17:33		

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-18**      **Lab ID: 3083152006**      Collected: 12/04/12 09:15      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015B Modified    Preparation Method: EPA 5035A/5030B							
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87 %		70-130		1	12/13/12 13:02	12/13/12 17:33	460-00-4	
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Acetone	<b>0.0062J</b>	mg/kg	0.012	0.0023	1		12/10/12 14:32	67-64-1	
tert-Amylmethyl ether	<b>0.0060 U</b>	mg/kg	0.0060	0.00077	1		12/10/12 14:32	994-05-8	
Benzene	<b>0.0060 U</b>	mg/kg	0.0060	0.00093	1		12/10/12 14:32	71-43-2	
Bromochloromethane	<b>0.0060 U</b>	mg/kg	0.0060	0.00093	1		12/10/12 14:32	74-97-5	
Bromodichloromethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0022	1		12/10/12 14:32	75-27-4	
Bromoform	<b>0.0060 U</b>	mg/kg	0.0060	0.0030	1		12/10/12 14:32	75-25-2	
Bromomethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0035	1		12/10/12 14:32	74-83-9	
2-Butanone (MEK)	<b>0.012 U</b>	mg/kg	0.012	0.0015	1		12/10/12 14:32	78-93-3	
tert-Butyl Alcohol	<b>0.060 U</b>	mg/kg	0.060	0.0083	1		12/10/12 14:32	75-65-0	
Carbon disulfide	<b>0.0060 U</b>	mg/kg	0.0060	0.00092	1		12/10/12 14:32	75-15-0	
Carbon tetrachloride	<b>0.0060 U</b>	mg/kg	0.0060	0.0011	1		12/10/12 14:32	56-23-5	
Chlorobenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0012	1		12/10/12 14:32	108-90-7	
Chloroethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0019	1		12/10/12 14:32	75-00-3	
Chloroform	<b>0.0060 U</b>	mg/kg	0.0060	0.00085	1		12/10/12 14:32	67-66-3	
Chloromethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0013	1		12/10/12 14:32	74-87-3	
Cyclohexane	<b>0.012 U</b>	mg/kg	0.012	0.0015	1		12/10/12 14:32	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.0060 U</b>	mg/kg	0.0060	0.0020	1		12/10/12 14:32	96-12-8	
Dibromochloromethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0018	1		12/10/12 14:32	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.0060 U</b>	mg/kg	0.0060	0.0031	1		12/10/12 14:32	106-93-4	
1,2-Dichlorobenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0013	1		12/10/12 14:32	95-50-1	
1,3-Dichlorobenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0015	1		12/10/12 14:32	541-73-1	
1,4-Dichlorobenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0015	1		12/10/12 14:32	106-46-7	
Dichlorodifluoromethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0011	1		12/10/12 14:32	75-71-8	
1,1-Dichloroethane	<b>0.0060 U</b>	mg/kg	0.0060	0.00095	1		12/10/12 14:32	75-34-3	
1,2-Dichloroethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0011	1		12/10/12 14:32	107-06-2	
1,1-Dichloroethene	<b>0.0060 U</b>	mg/kg	0.0060	0.00097	1		12/10/12 14:32	75-35-4	
cis-1,2-Dichloroethene	<b>0.0060 U</b>	mg/kg	0.0060	0.0029	1		12/10/12 14:32	156-59-2	
trans-1,2-Dichloroethene	<b>0.0060 U</b>	mg/kg	0.0060	0.00098	1		12/10/12 14:32	156-60-5	
1,2-Dichloropropane	<b>0.0060 U</b>	mg/kg	0.0060	0.0019	1		12/10/12 14:32	78-87-5	
cis-1,3-Dichloropropene	<b>0.0060 U</b>	mg/kg	0.0060	0.0019	1		12/10/12 14:32	10061-01-5	
trans-1,3-Dichloropropene	<b>0.0060 U</b>	mg/kg	0.0060	0.0019	1		12/10/12 14:32	10061-02-6	
Diisopropyl ether	<b>0.0060 U</b>	mg/kg	0.0060	0.00094	1		12/10/12 14:32	108-20-3	
Ethylbenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0031	1		12/10/12 14:32	100-41-4	
Ethyl-tert-butyl ether	<b>0.0060 U</b>	mg/kg	0.0060	0.00094	1		12/10/12 14:32	637-92-3	
Hexachloro-1,3-butadiene	<b>0.0060 U</b>	mg/kg	0.0060	0.0024	1		12/10/12 14:32	87-68-3	
2-Hexanone	<b>0.012 U</b>	mg/kg	0.012	0.0014	1		12/10/12 14:32	591-78-6	
Isobutanol	<b>0.060 U</b>	mg/kg	0.060	0.036	1		12/10/12 14:32	78-83-1	
Isopropylbenzene (Cumene)	<b>0.0060 U</b>	mg/kg	0.0060	0.0013	1		12/10/12 14:32	98-82-8	
p-Isopropyltoluene	<b>0.0060 U</b>	mg/kg	0.0060	0.0025	1		12/10/12 14:32	99-87-6	
Methyl acetate	<b>0.060 U</b>	mg/kg	0.060	0.0036	1		12/10/12 14:32	79-20-9	
Methylcyclohexane	<b>0.012 U</b>	mg/kg	0.012	0.0028	1		12/10/12 14:32	108-87-2	

### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-18**      **Lab ID: 3083152006**      Collected: 12/04/12 09:15      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Methylene Chloride	<b>0.0060 U</b>	mg/kg	0.0060	0.0016	1		12/10/12 14:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.012 U</b>	mg/kg	0.012	0.0012	1		12/10/12 14:32	108-10-1	
Methyl-tert-butyl ether	<b>0.0060 U</b>	mg/kg	0.0060	0.00085	1		12/10/12 14:32	1634-04-4	
Naphthalene	<b>0.0060 U</b>	mg/kg	0.0060	0.0030	1		12/10/12 14:32	91-20-3	
Styrene	<b>0.0060 U</b>	mg/kg	0.0060	0.0013	1		12/10/12 14:32	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0012	1		12/10/12 14:32	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0011	1		12/10/12 14:32	79-34-5	
Tetrachloroethene	<b>0.0060 U</b>	mg/kg	0.0060	0.00087	1		12/10/12 14:32	127-18-4	
Toluene	<b>0.0060 U</b>	mg/kg	0.0060	0.00077	1		12/10/12 14:32	108-88-3	
1,2,3-Trichlorobenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0018	1		12/10/12 14:32	87-61-6	
1,2,4-Trichlorobenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0016	1		12/10/12 14:32	120-82-1	
1,1,1-Trichloroethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0031	1		12/10/12 14:32	71-55-6	
1,1,2-Trichloroethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0011	1		12/10/12 14:32	79-00-5	
Trichloroethene	<b>0.0060 U</b>	mg/kg	0.0060	0.00090	1		12/10/12 14:32	79-01-6	
Trichlorofluoromethane	<b>0.0060 U</b>	mg/kg	0.0060	0.0011	1		12/10/12 14:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.060 U</b>	mg/kg	0.060	0.00080	1		12/10/12 14:32	76-13-1	
1,2,4-Trimethylbenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0014	1		12/10/12 14:32	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0060 U</b>	mg/kg	0.0060	0.0016	1		12/10/12 14:32	108-67-8	
Vinyl acetate	<b>0.060 U</b>	mg/kg	0.060	0.0017	1		12/10/12 14:32	108-05-4	
Xylene (Total)	<b>0.018 U</b>	mg/kg	0.018	0.0037	1		12/10/12 14:32	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	97 %		70-130		1		12/10/12 14:32	2037-26-5	
4-Bromofluorobenzene (S)	99 %		70-130		1		12/10/12 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		70-130		1		12/10/12 14:32	17060-07-0	

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture	<b>16.4 %</b>		0.10	0.10	1		12/05/12 17:45		
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**Sample: B-19**      **Lab ID: 3083152007**      Collected: 12/04/12 09:25      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546							
Diesel Components	<b>230</b>	mg/kg	73.6	43.3	10	12/06/12 10:00	12/11/12 08:21		3c
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		10	12/06/12 10:00	12/11/12 08:21	84-15-1	S4
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B							
Gasoline Range Organics	<b>4.6J</b>	mg/kg	12.8	2.9	1	12/13/12 13:02	12/13/12 15:36		
TPH (C06-C10)	<b>5.2J</b>	mg/kg	12.8	2.9	1	12/13/12 13:02	12/13/12 15:36		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	107 %		70-130		1	12/13/12 13:02	12/13/12 15:36	460-00-4	



## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Sample: B-19 Lab ID: 3083152007 Collected: 12/04/12 09:25 Received: 12/05/12 09:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Acetone	0.0056J	mg/kg	0.010	0.0020	1		12/10/12 14:58	67-64-1	
tert-Amylmethyl ether	0.0052 U	mg/kg	0.0052	0.00068	1		12/10/12 14:58	994-05-8	
Benzene	0.0052 U	mg/kg	0.0052	0.00082	1		12/10/12 14:58	71-43-2	
Bromochloromethane	0.0052 U	mg/kg	0.0052	0.00081	1		12/10/12 14:58	74-97-5	
Bromodichloromethane	0.0052 U	mg/kg	0.0052	0.0019	1		12/10/12 14:58	75-27-4	
Bromoform	0.0052 U	mg/kg	0.0052	0.0027	1		12/10/12 14:58	75-25-2	
Bromomethane	0.0052 U	mg/kg	0.0052	0.0031	1		12/10/12 14:58	74-83-9	
2-Butanone (MEK)	0.010 U	mg/kg	0.010	0.0013	1		12/10/12 14:58	78-93-3	
tert-Butyl Alcohol	0.052 U	mg/kg	0.052	0.0073	1		12/10/12 14:58	75-65-0	
Carbon disulfide	0.0052 U	mg/kg	0.0052	0.00080	1		12/10/12 14:58	75-15-0	
Carbon tetrachloride	0.0052 U	mg/kg	0.0052	0.00093	1		12/10/12 14:58	56-23-5	
Chlorobenzene	0.0052 U	mg/kg	0.0052	0.0010	1		12/10/12 14:58	108-90-7	
Chloroethane	0.0052 U	mg/kg	0.0052	0.0017	1		12/10/12 14:58	75-00-3	
Chloroform	0.0052 U	mg/kg	0.0052	0.00074	1		12/10/12 14:58	67-66-3	
Chloromethane	0.0052 U	mg/kg	0.0052	0.0011	1		12/10/12 14:58	74-87-3	
Cyclohexane	0.010 U	mg/kg	0.010	0.0013	1		12/10/12 14:58	110-82-7	
1,2-Dibromo-3-chloropropane	0.0052 U	mg/kg	0.0052	0.0018	1		12/10/12 14:58	96-12-8	
Dibromochloromethane	0.0052 U	mg/kg	0.0052	0.0016	1		12/10/12 14:58	124-48-1	
1,2-Dibromoethane (EDB)	0.0052 U	mg/kg	0.0052	0.0027	1		12/10/12 14:58	106-93-4	
1,2-Dichlorobenzene	0.0052 U	mg/kg	0.0052	0.0011	1		12/10/12 14:58	95-50-1	
1,3-Dichlorobenzene	0.0052 U	mg/kg	0.0052	0.0013	1		12/10/12 14:58	541-73-1	
1,4-Dichlorobenzene	0.0052 U	mg/kg	0.0052	0.0013	1		12/10/12 14:58	106-46-7	
Dichlorodifluoromethane	0.0052 U	mg/kg	0.0052	0.00093	1		12/10/12 14:58	75-71-8	
1,1-Dichloroethane	0.0052 U	mg/kg	0.0052	0.00083	1		12/10/12 14:58	75-34-3	
1,2-Dichloroethane	0.0052 U	mg/kg	0.0052	0.00095	1		12/10/12 14:58	107-06-2	
1,1-Dichloroethene	0.0052 U	mg/kg	0.0052	0.00085	1		12/10/12 14:58	75-35-4	
cis-1,2-Dichloroethene	0.0052 U	mg/kg	0.0052	0.0026	1		12/10/12 14:58	156-59-2	
trans-1,2-Dichloroethene	0.0052 U	mg/kg	0.0052	0.00086	1		12/10/12 14:58	156-60-5	
1,2-Dichloropropane	0.0052 U	mg/kg	0.0052	0.0017	1		12/10/12 14:58	78-87-5	
cis-1,3-Dichloropropene	0.0052 U	mg/kg	0.0052	0.0016	1		12/10/12 14:58	10061-01-5	
trans-1,3-Dichloropropene	0.0052 U	mg/kg	0.0052	0.0017	1		12/10/12 14:58	10061-02-6	
Diisopropyl ether	0.0052 U	mg/kg	0.0052	0.00082	1		12/10/12 14:58	108-20-3	
Ethylbenzene	0.0052 U	mg/kg	0.0052	0.0027	1		12/10/12 14:58	100-41-4	
Ethyl-tert-butyl ether	0.0052 U	mg/kg	0.0052	0.00083	1		12/10/12 14:58	637-92-3	
Hexachloro-1,3-butadiene	0.0052 U	mg/kg	0.0052	0.0021	1		12/10/12 14:58	87-68-3	
2-Hexanone	0.010 U	mg/kg	0.010	0.0012	1		12/10/12 14:58	591-78-6	
Isobutanol	0.052 U	mg/kg	0.052	0.031	1		12/10/12 14:58	78-83-1	
Isopropylbenzene (Cumene)	0.0052 U	mg/kg	0.0052	0.0011	1		12/10/12 14:58	98-82-8	
p-Isopropyltoluene	0.0052 U	mg/kg	0.0052	0.0022	1		12/10/12 14:58	99-87-6	
Methyl acetate	0.052 U	mg/kg	0.052	0.0032	1		12/10/12 14:58	79-20-9	
Methylcyclohexane	0.0028J	mg/kg	0.010	0.0024	1		12/10/12 14:58	108-87-2	
Methylene Chloride	0.0014J	mg/kg	0.0052	0.0014	1		12/10/12 14:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.010 U	mg/kg	0.010	0.0011	1		12/10/12 14:58	108-10-1	
Methyl-tert-butyl ether	0.0052 U	mg/kg	0.0052	0.00074	1		12/10/12 14:58	1634-04-4	
Naphthalene	0.0052 U	mg/kg	0.0052	0.0026	1		12/10/12 14:58	91-20-3	

### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-19**      **Lab ID: 3083152007**      Collected: 12/04/12 09:25      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Styrene	0.0052 U	mg/kg	0.0052	0.0012	1		12/10/12 14:58	100-42-5	
1,1,1,2-Tetrachloroethane	0.0052 U	mg/kg	0.0052	0.0010	1		12/10/12 14:58	630-20-6	
1,1,2,2-Tetrachloroethane	0.0052 U	mg/kg	0.0052	0.00093	1		12/10/12 14:58	79-34-5	
Tetrachloroethene	0.0052 U	mg/kg	0.0052	0.00076	1		12/10/12 14:58	127-18-4	
Toluene	0.0052 U	mg/kg	0.0052	0.00067	1		12/10/12 14:58	108-88-3	
1,2,3-Trichlorobenzene	0.0052 U	mg/kg	0.0052	0.0015	1		12/10/12 14:58	87-61-6	
1,2,4-Trichlorobenzene	0.0052 U	mg/kg	0.0052	0.0014	1		12/10/12 14:58	120-82-1	
1,1,1-Trichloroethane	0.0052 U	mg/kg	0.0052	0.0027	1		12/10/12 14:58	71-55-6	
1,1,2-Trichloroethane	0.0052 U	mg/kg	0.0052	0.00096	1		12/10/12 14:58	79-00-5	
Trichloroethene	0.0052 U	mg/kg	0.0052	0.00079	1		12/10/12 14:58	79-01-6	
Trichlorofluoromethane	0.0052 U	mg/kg	0.0052	0.00093	1		12/10/12 14:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.052 U	mg/kg	0.052	0.00070	1		12/10/12 14:58	76-13-1	
1,2,4-Trimethylbenzene	0.0052 U	mg/kg	0.0052	0.0012	1		12/10/12 14:58	95-63-6	
1,3,5-Trimethylbenzene	0.0052 U	mg/kg	0.0052	0.0014	1		12/10/12 14:58	108-67-8	
Vinyl acetate	0.052 U	mg/kg	0.052	0.0015	1		12/10/12 14:58	108-05-4	
Xylene (Total)	0.016 U	mg/kg	0.016	0.0032	1		12/10/12 14:58	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	99 %		70-130		1		12/10/12 14:58	2037-26-5	
4-Bromofluorobenzene (S)	106 %		70-130		1		12/10/12 14:58	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		70-130		1		12/10/12 14:58	17060-07-0	

**Percent Moisture**      Analytical Method: ASTM D2974-87

Percent Moisture      **11.5 %**      0.10      0.10      1      12/05/12 17:45

**Sample: B-20**      **Lab ID: 3083152008**      Collected: 12/04/12 09:35      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b> Analytical Method: EPA 8082      Preparation Method: EPA 3546									
PCB-1016 (Aroclor 1016)	20.2 U	ug/kg	20.2	3.0	1	12/08/12 07:15	12/10/12 19:18	12674-11-2	
PCB-1221 (Aroclor 1221)	20.2 U	ug/kg	20.2	9.3	1	12/08/12 07:15	12/10/12 19:18	11104-28-2	
PCB-1232 (Aroclor 1232)	20.2 U	ug/kg	20.2	6.1	1	12/08/12 07:15	12/10/12 19:18	11141-16-5	
PCB-1242 (Aroclor 1242)	20.2 U	ug/kg	20.2	4.0	1	12/08/12 07:15	12/10/12 19:18	53469-21-9	
PCB-1248 (Aroclor 1248)	20.2 U	ug/kg	20.2	4.3	1	12/08/12 07:15	12/10/12 19:18	12672-29-6	
PCB-1254 (Aroclor 1254)	20.2 U	ug/kg	20.2	9.3	1	12/08/12 07:15	12/10/12 19:18	11097-69-1	
PCB-1260 (Aroclor 1260)	20.2 U	ug/kg	20.2	3.1	1	12/08/12 07:15	12/10/12 19:18	11096-82-5	
PCB, Total	20.2 U	ug/kg	20.2	20.2	1	12/08/12 07:15	12/10/12 19:18	1336-36-3	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	71 %		30-150		1	12/08/12 07:15	12/10/12 19:18	877-09-8	
Decachlorobiphenyl (S)	55 %		30-150		1	12/08/12 07:15	12/10/12 19:18	2051-24-3	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-20**      **Lab ID: 3083152008**      Collected: 12/04/12 09:35      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B      Preparation Method: EPA 3050									
Antimony	<b>0.55 U</b>	mg/kg	0.55	0.42	1	12/07/12 11:15	12/12/12 12:26	7440-36-0	
Arsenic	<b>6.6</b>	mg/kg	0.46	0.43	1	12/07/12 11:15	12/12/12 12:26	7440-38-2	
Beryllium	<b>0.76</b>	mg/kg	0.18	0.16	1	12/07/12 11:15	12/12/12 12:26	7440-41-7	
Cadmium	<b>0.28 U</b>	mg/kg	0.28	0.21	1	12/07/12 11:15	12/12/12 12:26	7440-43-9	
Chromium	<b>22.2</b>	mg/kg	0.46	0.19	1	12/07/12 11:15	12/12/12 12:26	7440-47-3	
Copper	<b>10.5</b>	mg/kg	0.92	0.24	1	12/07/12 11:15	12/12/12 12:26	7440-50-8	
Lead	<b>12.6</b>	mg/kg	0.46	0.39	1	12/07/12 11:15	12/12/12 12:26	7439-92-1	
Nickel	<b>12.9</b>	mg/kg	1.8	0.40	1	12/07/12 11:15	12/12/12 12:26	7440-02-0	
Selenium	<b>1.4</b>	mg/kg	0.74	0.43	1	12/07/12 11:15	12/12/12 12:26	7782-49-2	
Silver	<b>0.55 U</b>	mg/kg	0.55	0.18	1	12/07/12 11:15	12/12/12 12:26	7440-22-4	
Thallium	<b>1.8 U</b>	mg/kg	1.8	0.66	1	12/07/12 11:15	12/12/12 12:26	7440-28-0	
Zinc	<b>24.6</b>	mg/kg	0.92	0.18	1	12/07/12 11:15	12/12/12 12:26	7440-66-6	

**7471 Mercury**

Analytical Method: EPA 7471      Preparation Method: EPA 7471

Mercury      **0.038J** mg/kg      0.12      0.0016      1      12/10/12 12:05      12/11/12 13:01      7439-97-6

**Percent Moisture**

Analytical Method: ASTM D2974-87

Percent Moisture      **19.2** %      0.10      0.10      1      12/05/12 17:45

**Sample: B-21**      **Lab ID: 3083152009**      Collected: 12/04/12 09:45      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	<b>13.6</b>	mg/kg	8.0	4.7	1	12/06/12 10:00	12/11/12 23:13		3c
<b>Surrogates</b>									
o-Terphenyl (S)	66	%	50-150		1	12/06/12 10:00	12/11/12 23:13	84-15-1	
<b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>11.8 U</b>	mg/kg	11.8	2.6	1	12/13/12 13:02	12/13/12 17:50		
TPH (C06-C10)	<b>11.8 U</b>	mg/kg	11.8	2.7	1	12/13/12 13:02	12/13/12 17:50		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1	12/13/12 13:02	12/13/12 17:50	460-00-4	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Acetone	<b>0.050</b>	mg/kg	0.014	0.0027	1		12/10/12 15:25	67-64-1	
tert-Amylmethyl ether	<b>0.0070 U</b>	mg/kg	0.0070	0.00091	1		12/10/12 15:25	994-05-8	
Benzene	<b>0.0070 U</b>	mg/kg	0.0070	0.0011	1		12/10/12 15:25	71-43-2	
Bromochloromethane	<b>0.0070 U</b>	mg/kg	0.0070	0.0011	1		12/10/12 15:25	74-97-5	
Bromodichloromethane	<b>0.0070 U</b>	mg/kg	0.0070	0.0025	1		12/10/12 15:25	75-27-4	
Bromoform	<b>0.0070 U</b>	mg/kg	0.0070	0.0035	1		12/10/12 15:25	75-25-2	
Bromomethane	<b>0.0070 U</b>	mg/kg	0.0070	0.0041	1		12/10/12 15:25	74-83-9	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Sample: B-21 Lab ID: 3083152009 Collected: 12/04/12 09:45 Received: 12/05/12 09:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
2-Butanone (MEK)	0.014 U	mg/kg	0.014	0.0018	1		12/10/12 15:25	78-93-3	
tert-Butyl Alcohol	0.070 U	mg/kg	0.070	0.0097	1		12/10/12 15:25	75-65-0	
Carbon disulfide	0.0070 U	mg/kg	0.0070	0.0011	1		12/10/12 15:25	75-15-0	
Carbon tetrachloride	0.0070 U	mg/kg	0.0070	0.0012	1		12/10/12 15:25	56-23-5	
Chlorobenzene	0.0070 U	mg/kg	0.0070	0.0014	1		12/10/12 15:25	108-90-7	
Chloroethane	0.0070 U	mg/kg	0.0070	0.0023	1		12/10/12 15:25	75-00-3	
Chloroform	0.0070 U	mg/kg	0.0070	0.0010	1		12/10/12 15:25	67-66-3	
Chloromethane	0.0070 U	mg/kg	0.0070	0.0015	1		12/10/12 15:25	74-87-3	
Cyclohexane	0.014 U	mg/kg	0.014	0.0018	1		12/10/12 15:25	110-82-7	
1,2-Dibromo-3-chloropropane	0.0070 U	mg/kg	0.0070	0.0024	1		12/10/12 15:25	96-12-8	
Dibromochloromethane	0.0070 U	mg/kg	0.0070	0.0021	1		12/10/12 15:25	124-48-1	
1,2-Dibromoethane (EDB)	0.0070 U	mg/kg	0.0070	0.0037	1		12/10/12 15:25	106-93-4	
1,2-Dichlorobenzene	0.0070 U	mg/kg	0.0070	0.0015	1		12/10/12 15:25	95-50-1	
1,3-Dichlorobenzene	0.0070 U	mg/kg	0.0070	0.0018	1		12/10/12 15:25	541-73-1	
1,4-Dichlorobenzene	0.0070 U	mg/kg	0.0070	0.0017	1		12/10/12 15:25	106-46-7	
Dichlorodifluoromethane	0.0070 U	mg/kg	0.0070	0.0012	1		12/10/12 15:25	75-71-8	
1,1-Dichloroethane	0.0070 U	mg/kg	0.0070	0.0011	1		12/10/12 15:25	75-34-3	
1,2-Dichloroethane	0.0070 U	mg/kg	0.0070	0.0013	1		12/10/12 15:25	107-06-2	
1,1-Dichloroethene	0.0070 U	mg/kg	0.0070	0.0011	1		12/10/12 15:25	75-35-4	
cis-1,2-Dichloroethene	0.0070 U	mg/kg	0.0070	0.0034	1		12/10/12 15:25	156-59-2	
trans-1,2-Dichloroethene	0.0070 U	mg/kg	0.0070	0.0011	1		12/10/12 15:25	156-60-5	
1,2-Dichloropropane	0.0070 U	mg/kg	0.0070	0.0023	1		12/10/12 15:25	78-87-5	
cis-1,3-Dichloropropene	0.0070 U	mg/kg	0.0070	0.0022	1		12/10/12 15:25	10061-01-5	
trans-1,3-Dichloropropene	0.0070 U	mg/kg	0.0070	0.0023	1		12/10/12 15:25	10061-02-6	
Diisopropyl ether	0.0070 U	mg/kg	0.0070	0.0011	1		12/10/12 15:25	108-20-3	
Ethylbenzene	0.0070 U	mg/kg	0.0070	0.0036	1		12/10/12 15:25	100-41-4	
Ethyl-tert-butyl ether	0.0070 U	mg/kg	0.0070	0.0011	1		12/10/12 15:25	637-92-3	
Hexachloro-1,3-butadiene	0.0070 U	mg/kg	0.0070	0.0028	1		12/10/12 15:25	87-68-3	
2-Hexanone	0.014 U	mg/kg	0.014	0.0017	1		12/10/12 15:25	591-78-6	
Isobutanol	0.070 U	mg/kg	0.070	0.042	1		12/10/12 15:25	78-83-1	
Isopropylbenzene (Cumene)	0.0070 U	mg/kg	0.0070	0.0015	1		12/10/12 15:25	98-82-8	
p-Isopropyltoluene	0.0070 U	mg/kg	0.0070	0.0029	1		12/10/12 15:25	99-87-6	
Methyl acetate	0.070 U	mg/kg	0.070	0.0042	1		12/10/12 15:25	79-20-9	
Methylcyclohexane	0.0038J	mg/kg	0.014	0.0033	1		12/10/12 15:25	108-87-2	
Methylene Chloride	0.0055J	mg/kg	0.0070	0.0019	1		12/10/12 15:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.014 U	mg/kg	0.014	0.0014	1		12/10/12 15:25	108-10-1	
Methyl-tert-butyl ether	0.0070 U	mg/kg	0.0070	0.0010	1		12/10/12 15:25	1634-04-4	
Naphthalene	0.0070 U	mg/kg	0.0070	0.0035	1		12/10/12 15:25	91-20-3	
Styrene	0.0070 U	mg/kg	0.0070	0.0016	1		12/10/12 15:25	100-42-5	
1,1,1,2-Tetrachloroethane	0.0070 U	mg/kg	0.0070	0.0014	1		12/10/12 15:25	630-20-6	
1,1,1,2,2-Tetrachloroethane	0.0070 U	mg/kg	0.0070	0.0012	1		12/10/12 15:25	79-34-5	
Tetrachloroethene	0.0070 U	mg/kg	0.0070	0.0010	1		12/10/12 15:25	127-18-4	
Toluene	0.0070 U	mg/kg	0.0070	0.00090	1		12/10/12 15:25	108-88-3	
1,2,3-Trichlorobenzene	0.0070 U	mg/kg	0.0070	0.0021	1		12/10/12 15:25	87-61-6	
1,2,4-Trichlorobenzene	0.0070 U	mg/kg	0.0070	0.0019	1		12/10/12 15:25	120-82-1	

### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-21**      **Lab ID: 3083152009**      Collected: 12/04/12 09:45      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	<b>0.0070 U</b>	mg/kg	0.0070	0.0036	1		12/10/12 15:25	71-55-6	
1,1,2-Trichloroethane	<b>0.0070 U</b>	mg/kg	0.0070	0.0013	1		12/10/12 15:25	79-00-5	
Trichloroethene	<b>0.0070 U</b>	mg/kg	0.0070	0.0011	1		12/10/12 15:25	79-01-6	
Trichlorofluoromethane	<b>0.0070 U</b>	mg/kg	0.0070	0.0012	1		12/10/12 15:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.070 U</b>	mg/kg	0.070	0.00093	1		12/10/12 15:25	76-13-1	
1,2,4-Trimethylbenzene	<b>0.0070 U</b>	mg/kg	0.0070	0.0016	1		12/10/12 15:25	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0070 U</b>	mg/kg	0.0070	0.0019	1		12/10/12 15:25	108-67-8	
Vinyl acetate	<b>0.070 U</b>	mg/kg	0.070	0.0020	1		12/10/12 15:25	108-05-4	
Xylene (Total)	<b>0.021 U</b>	mg/kg	0.021	0.0043	1		12/10/12 15:25	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	96 %		70-130		1		12/10/12 15:25	2037-26-5	
4-Bromofluorobenzene (S)	102 %		70-130		1		12/10/12 15:25	460-00-4	
1,2-Dichloroethane-d4 (S)	93 %		70-130		1		12/10/12 15:25	17060-07-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	<b>19.0 %</b>		0.10	0.10	1		12/05/12 17:46		

**Sample: B-22**      **Lab ID: 3083152010**      Collected: 12/04/12 10:00      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	<b>5.8J</b>	mg/kg	8.6	5.0	1	12/06/12 10:00	12/11/12 23:59		
<b>Surrogates</b>									
o-Terphenyl (S)	58 %		50-150		1	12/06/12 10:00	12/11/12 23:59	84-15-1	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>11.7 U</b>	mg/kg	11.7	2.6	1	12/13/12 13:02	12/13/12 15:53		
TPH (C06-C10)	<b>11.7 U</b>	mg/kg	11.7	2.7	1	12/13/12 13:02	12/13/12 15:53		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90 %		70-130		1	12/13/12 13:02	12/13/12 15:53	460-00-4	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>0.011 U</b>	mg/kg	0.011	0.0021	1		12/10/12 15:52	67-64-1	
tert-Amylmethyl ether	<b>0.0054 U</b>	mg/kg	0.0054	0.00069	1		12/10/12 15:52	994-05-8	
Benzene	<b>0.0054 U</b>	mg/kg	0.0054	0.00084	1		12/10/12 15:52	71-43-2	
Bromochloromethane	<b>0.0054 U</b>	mg/kg	0.0054	0.00083	1		12/10/12 15:52	74-97-5	
Bromodichloromethane	<b>0.0054 U</b>	mg/kg	0.0054	0.0019	1		12/10/12 15:52	75-27-4	
Bromoform	<b>0.0054 U</b>	mg/kg	0.0054	0.0027	1		12/10/12 15:52	75-25-2	
Bromomethane	<b>0.0054 U</b>	mg/kg	0.0054	0.0032	1		12/10/12 15:52	74-83-9	
2-Butanone (MEK)	<b>0.011 U</b>	mg/kg	0.011	0.0014	1		12/10/12 15:52	78-93-3	
tert-Butyl Alcohol	<b>0.054 U</b>	mg/kg	0.054	0.0074	1		12/10/12 15:52	75-65-0	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-22**      **Lab ID: 3083152010**      Collected: 12/04/12 10:00      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Carbon disulfide	<b>0.0054 U</b>	mg/kg	0.0054	0.00082	1		12/10/12 15:52	75-15-0	
Carbon tetrachloride	<b>0.0054 U</b>	mg/kg	0.0054	0.00096	1		12/10/12 15:52	56-23-5	
Chlorobenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0011	1		12/10/12 15:52	108-90-7	
Chloroethane	<b>0.0054 U</b>	mg/kg	0.0054	0.0018	1		12/10/12 15:52	75-00-3	
Chloroform	<b>0.0054 U</b>	mg/kg	0.0054	0.00076	1		12/10/12 15:52	67-66-3	
Chloromethane	<b>0.0054 U</b>	mg/kg	0.0054	0.0011	1		12/10/12 15:52	74-87-3	
Cyclohexane	<b>0.011 U</b>	mg/kg	0.011	0.0013	1		12/10/12 15:52	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.0054 U</b>	mg/kg	0.0054	0.0018	1		12/10/12 15:52	96-12-8	
Dibromochloromethane	<b>0.0054 U</b>	mg/kg	0.0054	0.0016	1		12/10/12 15:52	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.0054 U</b>	mg/kg	0.0054	0.0028	1		12/10/12 15:52	106-93-4	
1,2-Dichlorobenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0012	1		12/10/12 15:52	95-50-1	
1,3-Dichlorobenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0014	1		12/10/12 15:52	541-73-1	
1,4-Dichlorobenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0013	1		12/10/12 15:52	106-46-7	
Dichlorodifluoromethane	<b>0.0054 U</b>	mg/kg	0.0054	0.00096	1		12/10/12 15:52	75-71-8	
1,1-Dichloroethane	<b>0.0054 U</b>	mg/kg	0.0054	0.00085	1		12/10/12 15:52	75-34-3	
1,2-Dichloroethane	<b>0.0054 U</b>	mg/kg	0.0054	0.00098	1		12/10/12 15:52	107-06-2	
1,1-Dichloroethene	<b>0.0054 U</b>	mg/kg	0.0054	0.00087	1		12/10/12 15:52	75-35-4	
cis-1,2-Dichloroethene	<b>0.0054 U</b>	mg/kg	0.0054	0.0026	1		12/10/12 15:52	156-59-2	
trans-1,2-Dichloroethene	<b>0.0054 U</b>	mg/kg	0.0054	0.00088	1		12/10/12 15:52	156-60-5	
1,2-Dichloropropane	<b>0.0054 U</b>	mg/kg	0.0054	0.0017	1		12/10/12 15:52	78-87-5	
cis-1,3-Dichloropropene	<b>0.0054 U</b>	mg/kg	0.0054	0.0017	1		12/10/12 15:52	10061-01-5	
trans-1,3-Dichloropropene	<b>0.0054 U</b>	mg/kg	0.0054	0.0018	1		12/10/12 15:52	10061-02-6	
Diisopropyl ether	<b>0.0054 U</b>	mg/kg	0.0054	0.00084	1		12/10/12 15:52	108-20-3	
Ethylbenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0028	1		12/10/12 15:52	100-41-4	
Ethyl-tert-butyl ether	<b>0.0054 U</b>	mg/kg	0.0054	0.00085	1		12/10/12 15:52	637-92-3	
Hexachloro-1,3-butadiene	<b>0.0054 U</b>	mg/kg	0.0054	0.0021	1		12/10/12 15:52	87-68-3	
2-Hexanone	<b>0.011 U</b>	mg/kg	0.011	0.0013	1		12/10/12 15:52	591-78-6	
Isobutanol	<b>0.054 U</b>	mg/kg	0.054	0.032	1		12/10/12 15:52	78-83-1	
Isopropylbenzene (Cumene)	<b>0.0054 U</b>	mg/kg	0.0054	0.0011	1		12/10/12 15:52	98-82-8	
p-Isopropyltoluene	<b>0.0054 U</b>	mg/kg	0.0054	0.0022	1		12/10/12 15:52	99-87-6	
Methyl acetate	<b>0.054 U</b>	mg/kg	0.054	0.0032	1		12/10/12 15:52	79-20-9	
Methylcyclohexane	<b>0.011 U</b>	mg/kg	0.011	0.0025	1		12/10/12 15:52	108-87-2	
Methylene Chloride	<b>0.0031J</b>	mg/kg	0.0054	0.0014	1		12/10/12 15:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.011 U</b>	mg/kg	0.011	0.0011	1		12/10/12 15:52	108-10-1	
Methyl-tert-butyl ether	<b>0.0054 U</b>	mg/kg	0.0054	0.00076	1		12/10/12 15:52	1634-04-4	
Naphthalene	<b>0.0054 U</b>	mg/kg	0.0054	0.0027	1		12/10/12 15:52	91-20-3	
Styrene	<b>0.0054 U</b>	mg/kg	0.0054	0.0012	1		12/10/12 15:52	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.0054 U</b>	mg/kg	0.0054	0.0010	1		12/10/12 15:52	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.0054 U</b>	mg/kg	0.0054	0.00095	1		12/10/12 15:52	79-34-5	
Tetrachloroethene	<b>0.0014J</b>	mg/kg	0.0054	0.00078	1		12/10/12 15:52	127-18-4	
Toluene	<b>0.0054 U</b>	mg/kg	0.0054	0.00069	1		12/10/12 15:52	108-88-3	
1,2,3-Trichlorobenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0016	1		12/10/12 15:52	87-61-6	
1,2,4-Trichlorobenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0015	1		12/10/12 15:52	120-82-1	
1,1,1-Trichloroethane	<b>0.0054 U</b>	mg/kg	0.0054	0.0028	1		12/10/12 15:52	71-55-6	
1,1,2-Trichloroethane	<b>0.0054 U</b>	mg/kg	0.0054	0.00099	1		12/10/12 15:52	79-00-5	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-22**      **Lab ID: 3083152010**      Collected: 12/04/12 10:00      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Trichloroethene	<b>0.0054 U</b>	mg/kg	0.0054	0.00081	1		12/10/12 15:52	79-01-6	
Trichlorofluoromethane	<b>0.0054 U</b>	mg/kg	0.0054	0.00096	1		12/10/12 15:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.054 U</b>	mg/kg	0.054	0.00071	1		12/10/12 15:52	76-13-1	
1,2,4-Trimethylbenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0012	1		12/10/12 15:52	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0054 U</b>	mg/kg	0.0054	0.0014	1		12/10/12 15:52	108-67-8	
Vinyl acetate	<b>0.054 U</b>	mg/kg	0.054	0.0015	1		12/10/12 15:52	108-05-4	
Xylene (Total)	<b>0.016 U</b>	mg/kg	0.016	0.0033	1		12/10/12 15:52	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	98 %		70-130		1		12/10/12 15:52	2037-26-5	
4-Bromofluorobenzene (S)	98 %		70-130		1		12/10/12 15:52	460-00-4	
1,2-Dichloroethane-d4 (S)	91 %		70-130		1		12/10/12 15:52	17060-07-0	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87									
Percent Moisture	<b>22.0 %</b>		0.10	0.10	1		12/05/12 17:46		

**Sample: B-23**      **Lab ID: 3083152011**      Collected: 12/04/12 10:05      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	<b>8.3 U</b>	mg/kg	8.3	4.9	1	12/06/12 10:00	12/11/12 10:15		
<b>Surrogates</b>									
o-Terphenyl (S)	85 %		50-150		1	12/06/12 10:00	12/11/12 10:15	84-15-1	
<b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>12.6 U</b>	mg/kg	12.6	2.8	1	12/13/12 13:02	12/13/12 16:10		
TPH (C06-C10)	<b>12.6 U</b>	mg/kg	12.6	2.9	1	12/13/12 13:02	12/13/12 16:10		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87 %		70-130		1	12/13/12 13:02	12/13/12 16:10	460-00-4	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Acetone	<b>0.013 U</b>	mg/kg	0.013	0.0025	1		12/10/12 16:18	67-64-1	
tert-Amylmethyl ether	<b>0.0064 U</b>	mg/kg	0.0064	0.00082	1		12/10/12 16:18	994-05-8	
Benzene	<b>0.0064 U</b>	mg/kg	0.0064	0.00099	1		12/10/12 16:18	71-43-2	
Bromochloromethane	<b>0.0064 U</b>	mg/kg	0.0064	0.00099	1		12/10/12 16:18	74-97-5	
Bromodichloromethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0023	1		12/10/12 16:18	75-27-4	
Bromoform	<b>0.0064 U</b>	mg/kg	0.0064	0.0032	1		12/10/12 16:18	75-25-2	
Bromomethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0037	1		12/10/12 16:18	74-83-9	
2-Butanone (MEK)	<b>0.013 U</b>	mg/kg	0.013	0.0016	1		12/10/12 16:18	78-93-3	
tert-Butyl Alcohol	<b>0.064 U</b>	mg/kg	0.064	0.0088	1		12/10/12 16:18	75-65-0	
Carbon disulfide	<b>0.0064 U</b>	mg/kg	0.0064	0.00098	1		12/10/12 16:18	75-15-0	
Carbon tetrachloride	<b>0.0064 U</b>	mg/kg	0.0064	0.0011	1		12/10/12 16:18	56-23-5	

### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-23**      **Lab ID: 3083152011**      Collected: 12/04/12 10:05      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Chlorobenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0013	1		12/10/12 16:18	108-90-7	
Chloroethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0021	1		12/10/12 16:18	75-00-3	
Chloroform	<b>0.0064 U</b>	mg/kg	0.0064	0.00091	1		12/10/12 16:18	67-66-3	
Chloromethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0013	1		12/10/12 16:18	74-87-3	
Cyclohexane	<b>0.013 U</b>	mg/kg	0.013	0.0016	1		12/10/12 16:18	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.0064 U</b>	mg/kg	0.0064	0.0022	1		12/10/12 16:18	96-12-8	
Dibromochloromethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0019	1		12/10/12 16:18	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.0064 U</b>	mg/kg	0.0064	0.0033	1		12/10/12 16:18	106-93-4	
1,2-Dichlorobenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0014	1		12/10/12 16:18	95-50-1	
1,3-Dichlorobenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0016	1		12/10/12 16:18	541-73-1	
1,4-Dichlorobenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0016	1		12/10/12 16:18	106-46-7	
Dichlorodifluoromethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0011	1		12/10/12 16:18	75-71-8	
1,1-Dichloroethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0010	1		12/10/12 16:18	75-34-3	
1,2-Dichloroethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0012	1		12/10/12 16:18	107-06-2	
1,1-Dichloroethene	<b>0.0064 U</b>	mg/kg	0.0064	0.0010	1		12/10/12 16:18	75-35-4	
cis-1,2-Dichloroethene	<b>0.0064 U</b>	mg/kg	0.0064	0.0031	1		12/10/12 16:18	156-59-2	
trans-1,2-Dichloroethene	<b>0.0064 U</b>	mg/kg	0.0064	0.0010	1		12/10/12 16:18	156-60-5	
1,2-Dichloropropane	<b>0.0064 U</b>	mg/kg	0.0064	0.0021	1		12/10/12 16:18	78-87-5	
cis-1,3-Dichloropropene	<b>0.0064 U</b>	mg/kg	0.0064	0.0020	1		12/10/12 16:18	10061-01-5	
trans-1,3-Dichloropropene	<b>0.0064 U</b>	mg/kg	0.0064	0.0021	1		12/10/12 16:18	10061-02-6	
Diisopropyl ether	<b>0.0064 U</b>	mg/kg	0.0064	0.0010	1		12/10/12 16:18	108-20-3	
Ethylbenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0033	1		12/10/12 16:18	100-41-4	
Ethyl-tert-butyl ether	<b>0.0064 U</b>	mg/kg	0.0064	0.0010	1		12/10/12 16:18	637-92-3	
Hexachloro-1,3-butadiene	<b>0.0064 U</b>	mg/kg	0.0064	0.0025	1		12/10/12 16:18	87-68-3	
2-Hexanone	<b>0.013 U</b>	mg/kg	0.013	0.0015	1		12/10/12 16:18	591-78-6	
Isobutanol	<b>0.064 U</b>	mg/kg	0.064	0.038	1		12/10/12 16:18	78-83-1	
Isopropylbenzene (Cumene)	<b>0.0064 U</b>	mg/kg	0.0064	0.0013	1		12/10/12 16:18	98-82-8	
p-Isopropyltoluene	<b>0.0064 U</b>	mg/kg	0.0064	0.0026	1		12/10/12 16:18	99-87-6	
Methyl acetate	<b>0.064 U</b>	mg/kg	0.064	0.0038	1		12/10/12 16:18	79-20-9	
Methylcyclohexane	<b>0.013 U</b>	mg/kg	0.013	0.0030	1		12/10/12 16:18	108-87-2	
Methylene Chloride	<b>0.0027J</b>	mg/kg	0.0064	0.0017	1		12/10/12 16:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.013 U</b>	mg/kg	0.013	0.0013	1		12/10/12 16:18	108-10-1	
Methyl-tert-butyl ether	<b>0.0064 U</b>	mg/kg	0.0064	0.00091	1		12/10/12 16:18	1634-04-4	
Naphthalene	<b>0.0064 U</b>	mg/kg	0.0064	0.0032	1		12/10/12 16:18	91-20-3	
Styrene	<b>0.0064 U</b>	mg/kg	0.0064	0.0014	1		12/10/12 16:18	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0012	1		12/10/12 16:18	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0011	1		12/10/12 16:18	79-34-5	
Tetrachloroethene	<b>0.0064 U</b>	mg/kg	0.0064	0.00092	1		12/10/12 16:18	127-18-4	
Toluene	<b>0.0064 U</b>	mg/kg	0.0064	0.00082	1		12/10/12 16:18	108-88-3	
1,2,3-Trichlorobenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0019	1		12/10/12 16:18	87-61-6	
1,2,4-Trichlorobenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0017	1		12/10/12 16:18	120-82-1	
1,1,1-Trichloroethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0033	1		12/10/12 16:18	71-55-6	
1,1,2-Trichloroethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0012	1		12/10/12 16:18	79-00-5	
Trichloroethene	<b>0.0064 U</b>	mg/kg	0.0064	0.00096	1		12/10/12 16:18	79-01-6	
Trichlorofluoromethane	<b>0.0064 U</b>	mg/kg	0.0064	0.0011	1		12/10/12 16:18	75-69-4	



## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-23**      **Lab ID: 3083152011**      Collected: 12/04/12 10:05      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
1,1,2-Trichlorotrifluoroethane	<b>0.064 U</b>	mg/kg	0.064	0.00085	1		12/10/12 16:18	76-13-1	
1,2,4-Trimethylbenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0015	1		12/10/12 16:18	95-63-6	
1,3,5-Trimethylbenzene	<b>0.0064 U</b>	mg/kg	0.0064	0.0017	1		12/10/12 16:18	108-67-8	
Vinyl acetate	<b>0.064 U</b>	mg/kg	0.064	0.0018	1		12/10/12 16:18	108-05-4	
Xylene (Total)	<b>0.019 U</b>	mg/kg	0.019	0.0039	1		12/10/12 16:18	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	98 %		70-130		1		12/10/12 16:18	2037-26-5	
4-Bromofluorobenzene (S)	103 %		70-130		1		12/10/12 16:18	460-00-4	
1,2-Dichloroethane-d4 (S)	100 %		70-130		1		12/10/12 16:18	17060-07-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	<b>21.9 %</b>		0.10	0.10	1		12/05/12 17:47		

**Sample: B-24**      **Lab ID: 3083152012**      Collected: 12/04/12 10:15      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	<b>69.4</b>	mg/kg	8.2	4.8	1	12/06/12 10:00	12/12/12 00:45		3c
<b>Surrogates</b>									
o-Terphenyl (S)	77 %		50-150		1	12/06/12 10:00	12/12/12 00:45	84-15-1	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>2.9J</b>	mg/kg	12.5	2.8	1	12/13/12 13:02	12/13/12 16:27		
TPH (C06-C10)	<b>3.3J</b>	mg/kg	12.5	2.9	1	12/13/12 13:02	12/13/12 16:27		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90 %		70-130		1	12/13/12 13:02	12/13/12 16:27	460-00-4	
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Acetone	<b>0.012 U</b>	mg/kg	0.012	0.0023	1		12/10/12 16:45	67-64-1	
tert-Amylmethyl ether	<b>0.0059 U</b>	mg/kg	0.0059	0.00076	1		12/10/12 16:45	994-05-8	
Benzene	<b>0.0059 U</b>	mg/kg	0.0059	0.00092	1		12/10/12 16:45	71-43-2	
Bromochloromethane	<b>0.0059 U</b>	mg/kg	0.0059	0.00091	1		12/10/12 16:45	74-97-5	
Bromodichloromethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0021	1		12/10/12 16:45	75-27-4	
Bromoform	<b>0.0059 U</b>	mg/kg	0.0059	0.0030	1		12/10/12 16:45	75-25-2	
Bromomethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0035	1		12/10/12 16:45	74-83-9	
2-Butanone (MEK)	<b>0.012 U</b>	mg/kg	0.012	0.0015	1		12/10/12 16:45	78-93-3	
tert-Butyl Alcohol	<b>0.059 U</b>	mg/kg	0.059	0.0081	1		12/10/12 16:45	75-65-0	
Carbon disulfide	<b>0.0059 U</b>	mg/kg	0.0059	0.00090	1		12/10/12 16:45	75-15-0	
Carbon tetrachloride	<b>0.0059 U</b>	mg/kg	0.0059	0.0010	1		12/10/12 16:45	56-23-5	
Chlorobenzene	<b>0.0059 U</b>	mg/kg	0.0059	0.0012	1		12/10/12 16:45	108-90-7	
Chloroethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0019	1		12/10/12 16:45	75-00-3	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-24**      **Lab ID: 3083152012**      Collected: 12/04/12 10:15      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Chloroform	<b>0.0059 U</b>	mg/kg	0.0059	0.00084	1		12/10/12 16:45	67-66-3	
Chloromethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0012	1		12/10/12 16:45	74-87-3	
Cyclohexane	<b>0.012 U</b>	mg/kg	0.012	0.0015	1		12/10/12 16:45	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.0059 U</b>	mg/kg	0.0059	0.0020	1		12/10/12 16:45	96-12-8	
Dibromochloromethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0018	1		12/10/12 16:45	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.0059 U</b>	mg/kg	0.0059	0.0031	1		12/10/12 16:45	106-93-4	
1,2-Dichlorobenzene	<b>0.0059 U</b>	mg/kg	0.0059	0.0013	1		12/10/12 16:45	95-50-1	
1,3-Dichlorobenzene	<b>0.0059 U</b>	mg/kg	0.0059	0.0015	1		12/10/12 16:45	541-73-1	
1,4-Dichlorobenzene	<b>0.0059 U</b>	mg/kg	0.0059	0.0014	1		12/10/12 16:45	106-46-7	
Dichlorodifluoromethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0010	1		12/10/12 16:45	75-71-8	
1,1-Dichloroethane	<b>0.0059 U</b>	mg/kg	0.0059	0.00093	1		12/10/12 16:45	75-34-3	
1,2-Dichloroethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0011	1		12/10/12 16:45	107-06-2	
1,1-Dichloroethene	<b>0.0059 U</b>	mg/kg	0.0059	0.00095	1		12/10/12 16:45	75-35-4	
cis-1,2-Dichloroethene	<b>0.0059 U</b>	mg/kg	0.0059	0.0029	1		12/10/12 16:45	156-59-2	
trans-1,2-Dichloroethene	<b>0.0059 U</b>	mg/kg	0.0059	0.00096	1		12/10/12 16:45	156-60-5	
1,2-Dichloropropane	<b>0.0059 U</b>	mg/kg	0.0059	0.0019	1		12/10/12 16:45	78-87-5	
cis-1,3-Dichloropropene	<b>0.0059 U</b>	mg/kg	0.0059	0.0018	1		12/10/12 16:45	10061-01-5	
trans-1,3-Dichloropropene	<b>0.0059 U</b>	mg/kg	0.0059	0.0019	1		12/10/12 16:45	10061-02-6	
Diisopropyl ether	<b>0.0059 U</b>	mg/kg	0.0059	0.00092	1		12/10/12 16:45	108-20-3	
Ethylbenzene	<b>0.0059 U</b>	mg/kg	0.0059	0.0030	1		12/10/12 16:45	100-41-4	
Ethyl-tert-butyl ether	<b>0.0059 U</b>	mg/kg	0.0059	0.00093	1		12/10/12 16:45	637-92-3	
Hexachloro-1,3-butadiene	<b>0.0059 U</b>	mg/kg	0.0059	0.0023	1		12/10/12 16:45	87-68-3	
2-Hexanone	<b>0.012 U</b>	mg/kg	0.012	0.0014	1		12/10/12 16:45	591-78-6	
Isobutanol	<b>0.059 U</b>	mg/kg	0.059	0.035	1		12/10/12 16:45	78-83-1	
Isopropylbenzene (Cumene)	<b>0.0059 U</b>	mg/kg	0.0059	0.0012	1		12/10/12 16:45	98-82-8	
p-Isopropyltoluene	<b>0.0059 U</b>	mg/kg	0.0059	0.0024	1		12/10/12 16:45	99-87-6	
Methyl acetate	<b>0.059 U</b>	mg/kg	0.059	0.0036	1		12/10/12 16:45	79-20-9	
Methylcyclohexane	<b>0.0034J</b>	mg/kg	0.012	0.0027	1		12/10/12 16:45	108-87-2	
Methylene Chloride	<b>0.0064</b>	mg/kg	0.0059	0.0016	1		12/10/12 16:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.012 U</b>	mg/kg	0.012	0.0012	1		12/10/12 16:45	108-10-1	
Methyl-tert-butyl ether	<b>0.0059 U</b>	mg/kg	0.0059	0.00084	1		12/10/12 16:45	1634-04-4	
Naphthalene	<b>0.0064</b>	mg/kg	0.0059	0.0030	1		12/10/12 16:45	91-20-3	
Styrene	<b>0.0059 U</b>	mg/kg	0.0059	0.0013	1		12/10/12 16:45	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0011	1		12/10/12 16:45	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0010	1		12/10/12 16:45	79-34-5	
Tetrachloroethene	<b>0.0059 U</b>	mg/kg	0.0059	0.00085	1		12/10/12 16:45	127-18-4	
Toluene	<b>0.0059 U</b>	mg/kg	0.0059	0.00076	1		12/10/12 16:45	108-88-3	
1,2,3-Trichlorobenzene	<b>0.0059 U</b>	mg/kg	0.0059	0.0017	1		12/10/12 16:45	87-61-6	
1,2,4-Trichlorobenzene	<b>0.0059 U</b>	mg/kg	0.0059	0.0016	1		12/10/12 16:45	120-82-1	
1,1,1-Trichloroethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0031	1		12/10/12 16:45	71-55-6	
1,1,2-Trichloroethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0011	1		12/10/12 16:45	79-00-5	
Trichloroethene	<b>0.0059 U</b>	mg/kg	0.0059	0.00089	1		12/10/12 16:45	79-01-6	
Trichlorofluoromethane	<b>0.0059 U</b>	mg/kg	0.0059	0.0010	1		12/10/12 16:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.059 U</b>	mg/kg	0.059	0.00078	1		12/10/12 16:45	76-13-1	
1,2,4-Trimethylbenzene	<b>0.0071</b>	mg/kg	0.0059	0.0014	1		12/10/12 16:45	95-63-6	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-24**      **Lab ID: 3083152012**      Collected: 12/04/12 10:15      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
1,3,5-Trimethylbenzene	<b>0.0019J</b>	mg/kg	0.0059	0.0016	1		12/10/12 16:45	108-67-8	
Vinyl acetate	<b>0.059 U</b>	mg/kg	0.059	0.0016	1		12/10/12 16:45	108-05-4	
Xylene (Total)	<b>0.010J</b>	mg/kg	0.018	0.0036	1		12/10/12 16:45	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	97 %		70-130		1		12/10/12 16:45	2037-26-5	
4-Bromofluorobenzene (S)	102 %		70-130		1		12/10/12 16:45	460-00-4	
1,2-Dichloroethane-d4 (S)	93 %		70-130		1		12/10/12 16:45	17060-07-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	<b>20.5 %</b>		0.10	0.10	1		12/05/12 17:47		

**Sample: B-25**      **Lab ID: 3083152013**      Collected: 12/04/12 10:45      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	<b>295</b>	mg/kg	45.2	26.6	5	12/06/12 10:00	12/12/12 01:31		
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		5	12/06/12 10:00	12/12/12 01:31	84-15-1	S4
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	<b>23.2</b>	mg/kg	11.4	2.5	1	12/13/12 13:02	12/13/12 16:43		
TPH (C06-C10)	<b>17.1</b>	mg/kg	11.4	2.6	1	12/13/12 13:02	12/13/12 16:43		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95 %		70-130		1	12/13/12 13:02	12/13/12 16:43	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B      Preparation Method: EPA 3050									
Antimony	<b>7.1 U</b>	mg/kg	7.1	5.4	10	12/07/12 11:15	12/12/12 12:53	7440-36-0	
Arsenic	<b>29.0</b>	mg/kg	5.9	5.5	10	12/07/12 11:15	12/12/12 12:53	7440-38-2	
Beryllium	<b>3.2</b>	mg/kg	2.4	2.0	10	12/07/12 11:15	12/12/12 12:53	7440-41-7	
Cadmium	<b>3.5 U</b>	mg/kg	3.5	2.7	10	12/07/12 11:15	12/12/12 12:53	7440-43-9	
Chromium	<b>42.8</b>	mg/kg	0.59	0.25	1	12/07/12 11:15	12/12/12 12:42	7440-47-3	
Copper	<b>19.3</b>	mg/kg	11.8	3.0	10	12/07/12 11:15	12/12/12 12:53	7440-50-8	
Lead	<b>25.8</b>	mg/kg	0.59	0.50	1	12/07/12 11:15	12/12/12 12:42	7439-92-1	
Nickel	<b>42.3</b>	mg/kg	23.6	5.1	10	12/07/12 11:15	12/12/12 12:53	7440-02-0	
Selenium	<b>9.4 U</b>	mg/kg	9.4	5.4	10	12/07/12 11:15	12/12/12 12:53	7782-49-2	
Silver	<b>0.23J</b>	mg/kg	0.71	0.23	1	12/07/12 11:15	12/12/12 12:42	7440-22-4	
Thallium	<b>2.4 U</b>	mg/kg	2.4	0.84	1	12/07/12 11:15	12/12/12 12:42	7440-28-0	
Zinc	<b>83.9</b>	mg/kg	11.8	2.3	10	12/07/12 11:15	12/12/12 12:53	7440-66-6	
<b>7471 Mercury</b>									
Analytical Method: EPA 7471      Preparation Method: EPA 7471									
Mercury	<b>0.11J</b>	mg/kg	0.13	0.0017	1	12/10/12 12:05	12/11/12 13:03	7439-97-6	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-25**      **Lab ID: 3083152013**      Collected: 12/04/12 10:45      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546							
<b>MICROWAVE</b>									
Acenaphthene	0.45 U	mg/kg	0.45	0.052	1	12/06/12 16:30	12/11/12 18:20	83-32-9	
Acenaphthylene	0.45 U	mg/kg	0.45	0.052	1	12/06/12 16:30	12/11/12 18:20	208-96-8	
Anthracene	0.45 U	mg/kg	0.45	0.070	1	12/06/12 16:30	12/11/12 18:20	120-12-7	
Benzo(a)anthracene	0.45 U	mg/kg	0.45	0.052	1	12/06/12 16:30	12/11/12 18:20	56-55-3	
Benzo(a)pyrene	0.45 U	mg/kg	0.45	0.15	1	12/06/12 16:30	12/11/12 18:20	50-32-8	
Benzo(b)fluoranthene	0.45 U	mg/kg	0.45	0.089	1	12/06/12 16:30	12/11/12 18:20	205-99-2	
Benzo(g,h,i)perylene	0.45 U	mg/kg	0.45	0.13	1	12/06/12 16:30	12/11/12 18:20	191-24-2	
Benzo(k)fluoranthene	0.45 U	mg/kg	0.45	0.16	1	12/06/12 16:30	12/11/12 18:20	207-08-9	
Benzyl alcohol	0.45 U	mg/kg	0.45	0.066	1	12/06/12 16:30	12/11/12 18:20	100-51-6	
4-Bromophenylphenyl ether	0.45 U	mg/kg	0.45	0.066	1	12/06/12 16:30	12/11/12 18:20	101-55-3	
Butylbenzylphthalate	0.45 U	mg/kg	0.45	0.051	1	12/06/12 16:30	12/11/12 18:20	85-68-7	
4-Chloro-3-methylphenol	0.45 U	mg/kg	0.45	0.071	1	12/06/12 16:30	12/11/12 18:20	59-50-7	
4-Chloroaniline	0.45 U	mg/kg	0.45	0.099	1	12/06/12 16:30	12/11/12 18:20	106-47-8	
bis(2-Chloroethoxy)methane	0.45 U	mg/kg	0.45	0.073	1	12/06/12 16:30	12/11/12 18:20	111-91-1	
bis(2-Chloroethyl) ether	0.45 U	mg/kg	0.45	0.21	1	12/06/12 16:30	12/11/12 18:20	111-44-4	
bis(2-Chloroisopropyl) ether	0.45 U	mg/kg	0.45	0.060	1	12/06/12 16:30	12/11/12 18:20	108-60-1	
2-Chloronaphthalene	0.45 U	mg/kg	0.45	0.047	1	12/06/12 16:30	12/11/12 18:20	91-58-7	
2-Chlorophenol	0.45 U	mg/kg	0.45	0.057	1	12/06/12 16:30	12/11/12 18:20	95-57-8	
4-Chlorophenylphenyl ether	0.45 U	mg/kg	0.45	0.061	1	12/06/12 16:30	12/11/12 18:20	7005-72-3	
Chrysene	0.45 U	mg/kg	0.45	0.097	1	12/06/12 16:30	12/11/12 18:20	218-01-9	
Dibenz(a,h)anthracene	0.45 U	mg/kg	0.45	0.15	1	12/06/12 16:30	12/11/12 18:20	53-70-3	
Dibenzofuran	0.45 U	mg/kg	0.45	0.060	1	12/06/12 16:30	12/11/12 18:20	132-64-9	
1,2-Dichlorobenzene	0.45 U	mg/kg	0.45	0.067	1	12/06/12 16:30	12/11/12 18:20	95-50-1	
1,3-Dichlorobenzene	0.45 U	mg/kg	0.45	0.075	1	12/06/12 16:30	12/11/12 18:20	541-73-1	
1,4-Dichlorobenzene	0.45 U	mg/kg	0.45	0.063	1	12/06/12 16:30	12/11/12 18:20	106-46-7	
3,3'-Dichlorobenzidine	0.45 U	mg/kg	0.45	0.049	1	12/06/12 16:30	12/11/12 18:20	91-94-1	
2,4-Dichlorophenol	0.45 U	mg/kg	0.45	0.077	1	12/06/12 16:30	12/11/12 18:20	120-83-2	
Diethylphthalate	0.45 U	mg/kg	0.45	0.049	1	12/06/12 16:30	12/11/12 18:20	84-66-2	
2,4-Dimethylphenol	0.45 U	mg/kg	0.45	0.079	1	12/06/12 16:30	12/11/12 18:20	105-67-9	
Dimethylphthalate	0.45 U	mg/kg	0.45	0.064	1	12/06/12 16:30	12/11/12 18:20	131-11-3	
Di-n-butylphthalate	0.45 U	mg/kg	0.45	0.074	1	12/06/12 16:30	12/11/12 18:20	84-74-2	
4,6-Dinitro-2-methylphenol	1.1 U	mg/kg	1.1	0.065	1	12/06/12 16:30	12/11/12 18:20	534-52-1	
2,4-Dinitrophenol	1.1 U	mg/kg	1.1	0.053	1	12/06/12 16:30	12/11/12 18:20	51-28-5	
2,4-Dinitrotoluene	0.45 U	mg/kg	0.45	0.094	1	12/06/12 16:30	12/11/12 18:20	121-14-2	
2,6-Dinitrotoluene	0.45 U	mg/kg	0.45	0.059	1	12/06/12 16:30	12/11/12 18:20	606-20-2	
Di-n-octylphthalate	0.45 U	mg/kg	0.45	0.083	1	12/06/12 16:30	12/11/12 18:20	117-84-0	
bis(2-Ethylhexyl)phthalate	0.45 U	mg/kg	0.45	0.15	1	12/06/12 16:30	12/11/12 18:20	117-81-7	
Fluoranthene	0.45 U	mg/kg	0.45	0.069	1	12/06/12 16:30	12/11/12 18:20	206-44-0	
Fluorene	0.45 U	mg/kg	0.45	0.063	1	12/06/12 16:30	12/11/12 18:20	86-73-7	
Hexachloro-1,3-butadiene	0.45 U	mg/kg	0.45	0.080	1	12/06/12 16:30	12/11/12 18:20	87-68-3	
Hexachlorobenzene	0.45 U	mg/kg	0.45	0.058	1	12/06/12 16:30	12/11/12 18:20	118-74-1	
Hexachlorocyclopentadiene	0.45 U	mg/kg	0.45	0.047	1	12/06/12 16:30	12/11/12 18:20	77-47-4	
Hexachloroethane	0.45 U	mg/kg	0.45	0.069	1	12/06/12 16:30	12/11/12 18:20	67-72-1	
Indeno(1,2,3-cd)pyrene	0.45 U	mg/kg	0.45	0.11	1	12/06/12 16:30	12/11/12 18:20	193-39-5	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-25**      **Lab ID: 3083152013**      Collected: 12/04/12 10:45      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270    Preparation Method: EPA 3546							
Isophorone	0.45 U	mg/kg	0.45	0.049	1	12/06/12 16:30	12/11/12 18:20	78-59-1	
2-Methylnaphthalene	0.45 U	mg/kg	0.45	0.054	1	12/06/12 16:30	12/11/12 18:20	91-57-6	
2-Methylphenol(o-Cresol)	0.45 U	mg/kg	0.45	0.079	1	12/06/12 16:30	12/11/12 18:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	0.90 U	mg/kg	0.90	0.090	1	12/06/12 16:30	12/11/12 18:20		
Naphthalene	0.45 U	mg/kg	0.45	0.060	1	12/06/12 16:30	12/11/12 18:20	91-20-3	
2-Nitroaniline	1.1 U	mg/kg	1.1	0.053	1	12/06/12 16:30	12/11/12 18:20	88-74-4	
3-Nitroaniline	1.1 U	mg/kg	1.1	0.084	1	12/06/12 16:30	12/11/12 18:20	99-09-2	
4-Nitroaniline	1.1 U	mg/kg	1.1	0.12	1	12/06/12 16:30	12/11/12 18:20	100-01-6	
Nitrobenzene	0.45 U	mg/kg	0.45	0.071	1	12/06/12 16:30	12/11/12 18:20	98-95-3	
2-Nitrophenol	0.45 U	mg/kg	0.45	0.050	1	12/06/12 16:30	12/11/12 18:20	88-75-5	
4-Nitrophenol	0.45 U	mg/kg	0.45	0.077	1	12/06/12 16:30	12/11/12 18:20	100-02-7	
N-Nitroso-di-n-propylamine	0.45 U	mg/kg	0.45	0.053	1	12/06/12 16:30	12/11/12 18:20	621-64-7	
N-Nitrosodiphenylamine	0.45 U	mg/kg	0.45	0.045	1	12/06/12 16:30	12/11/12 18:20	86-30-6	
Pentachlorophenol	1.1 U	mg/kg	1.1	0.11	1	12/06/12 16:30	12/11/12 18:20	87-86-5	
Phenanthrene	0.45 U	mg/kg	0.45	0.083	1	12/06/12 16:30	12/11/12 18:20	85-01-8	
Phenol	0.45 U	mg/kg	0.45	0.11	1	12/06/12 16:30	12/11/12 18:20	108-95-2	
Pyrene	0.45 U	mg/kg	0.45	0.068	1	12/06/12 16:30	12/11/12 18:20	129-00-0	
1,2,4-Trichlorobenzene	0.45 U	mg/kg	0.45	0.069	1	12/06/12 16:30	12/11/12 18:20	120-82-1	
2,4,5-Trichlorophenol	1.1 U	mg/kg	1.1	0.13	1	12/06/12 16:30	12/11/12 18:20	95-95-4	
2,4,6-Trichlorophenol	0.45 U	mg/kg	0.45	0.082	1	12/06/12 16:30	12/11/12 18:20	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	71 %		49-118		1	12/06/12 16:30	12/11/12 18:20	4165-60-0	
2-Fluorobiphenyl (S)	72 %		48-125		1	12/06/12 16:30	12/11/12 18:20	321-60-8	
Terphenyl-d14 (S)	150 %		29-159		1	12/06/12 16:30	12/11/12 18:20	1718-51-0	
Phenol-d6 (S)	70 %		30-130		1	12/06/12 16:30	12/11/12 18:20	13127-88-3	
2-Fluorophenol (S)	75 %		25-138		1	12/06/12 16:30	12/11/12 18:20	367-12-4	
2,4,6-Tribromophenol (S)	63 %		10-144		1	12/06/12 16:30	12/11/12 18:20	118-79-6	
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Acetone	0.025J	mg/kg	0.030	0.0059	1		12/10/12 17:12	67-64-1	
tert-Amylmethyl ether	0.015 U	mg/kg	0.015	0.0019	1		12/10/12 17:12	994-05-8	
Benzene	0.015 U	mg/kg	0.015	0.0023	1		12/10/12 17:12	71-43-2	
Bromochloromethane	0.015 U	mg/kg	0.015	0.0023	1		12/10/12 17:12	74-97-5	
Bromodichloromethane	0.015 U	mg/kg	0.015	0.0054	1		12/10/12 17:12	75-27-4	
Bromoform	0.015 U	mg/kg	0.015	0.0076	1		12/10/12 17:12	75-25-2	
Bromomethane	0.015 U	mg/kg	0.015	0.0088	1		12/10/12 17:12	74-83-9	
2-Butanone (MEK)	0.030 U	mg/kg	0.030	0.0038	1		12/10/12 17:12	78-93-3	
tert-Butyl Alcohol	0.15 U	mg/kg	0.15	0.021	1		12/10/12 17:12	75-65-0	
Carbon disulfide	0.0097J	mg/kg	0.015	0.0023	1		12/10/12 17:12	75-15-0	
Carbon tetrachloride	0.015 U	mg/kg	0.015	0.0027	1		12/10/12 17:12	56-23-5	
Chlorobenzene	0.015 U	mg/kg	0.015	0.0030	1		12/10/12 17:12	108-90-7	
Chloroethane	0.015 U	mg/kg	0.015	0.0049	1		12/10/12 17:12	75-00-3	
Chloroform	0.015 U	mg/kg	0.015	0.0021	1		12/10/12 17:12	67-66-3	
Chloromethane	0.015 U	mg/kg	0.015	0.0032	1		12/10/12 17:12	74-87-3	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Sample: B-25 Lab ID: 3083152013 Collected: 12/04/12 10:45 Received: 12/05/12 09:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Cyclohexane	<b>0.0045J</b>	mg/kg	0.030	0.0038	1		12/10/12 17:12	110-82-7	
1,2-Dibromo-3-chloropropane	<b>0.015 U</b>	mg/kg	0.015	0.0051	1		12/10/12 17:12	96-12-8	
Dibromochloromethane	<b>0.015 U</b>	mg/kg	0.015	0.0046	1		12/10/12 17:12	124-48-1	
1,2-Dibromoethane (EDB)	<b>0.015 U</b>	mg/kg	0.015	0.0078	1		12/10/12 17:12	106-93-4	
1,2-Dichlorobenzene	<b>0.015 U</b>	mg/kg	0.015	0.0033	1		12/10/12 17:12	95-50-1	
1,3-Dichlorobenzene	<b>0.015 U</b>	mg/kg	0.015	0.0038	1		12/10/12 17:12	541-73-1	
1,4-Dichlorobenzene	<b>0.015 U</b>	mg/kg	0.015	0.0037	1		12/10/12 17:12	106-46-7	
Dichlorodifluoromethane	<b>0.015 U</b>	mg/kg	0.015	0.0027	1		12/10/12 17:12	75-71-8	
1,1-Dichloroethane	<b>0.015 U</b>	mg/kg	0.015	0.0024	1		12/10/12 17:12	75-34-3	
1,2-Dichloroethane	<b>0.015 U</b>	mg/kg	0.015	0.0027	1		12/10/12 17:12	107-06-2	
1,1-Dichloroethene	<b>0.015 U</b>	mg/kg	0.015	0.0024	1		12/10/12 17:12	75-35-4	
cis-1,2-Dichloroethene	<b>0.015 U</b>	mg/kg	0.015	0.0074	1		12/10/12 17:12	156-59-2	
trans-1,2-Dichloroethene	<b>0.015 U</b>	mg/kg	0.015	0.0025	1		12/10/12 17:12	156-60-5	
1,2-Dichloropropane	<b>0.015 U</b>	mg/kg	0.015	0.0049	1		12/10/12 17:12	78-87-5	
cis-1,3-Dichloropropene	<b>0.015 U</b>	mg/kg	0.015	0.0047	1		12/10/12 17:12	10061-01-5	
trans-1,3-Dichloropropene	<b>0.015 U</b>	mg/kg	0.015	0.0049	1		12/10/12 17:12	10061-02-6	
Diisopropyl ether	<b>0.015 U</b>	mg/kg	0.015	0.0024	1		12/10/12 17:12	108-20-3	
Ethylbenzene	<b>0.015 U</b>	mg/kg	0.015	0.0077	1		12/10/12 17:12	100-41-4	
Ethyl-tert-butyl ether	<b>0.015 U</b>	mg/kg	0.015	0.0024	1		12/10/12 17:12	637-92-3	
Hexachloro-1,3-butadiene	<b>0.015 U</b>	mg/kg	0.015	0.0059	1		12/10/12 17:12	87-68-3	
2-Hexanone	<b>0.030 U</b>	mg/kg	0.030	0.0035	1		12/10/12 17:12	591-78-6	
Isobutanol	<b>0.15 U</b>	mg/kg	0.15	0.089	1		12/10/12 17:12	78-83-1	
Isopropylbenzene (Cumene)	<b>0.015 U</b>	mg/kg	0.015	0.0032	1		12/10/12 17:12	98-82-8	
p-Isopropyltoluene	<b>0.015 U</b>	mg/kg	0.015	0.0062	1		12/10/12 17:12	99-87-6	
Methyl acetate	<b>0.15 U</b>	mg/kg	0.15	0.0091	1		12/10/12 17:12	79-20-9	
Methylcyclohexane	<b>0.013J</b>	mg/kg	0.030	0.0070	1		12/10/12 17:12	108-87-2	
Methylene Chloride	<b>0.0045J</b>	mg/kg	0.015	0.0040	1		12/10/12 17:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	<b>0.030 U</b>	mg/kg	0.030	0.0031	1		12/10/12 17:12	108-10-1	
Methyl-tert-butyl ether	<b>0.015 U</b>	mg/kg	0.015	0.0021	1		12/10/12 17:12	1634-04-4	
Naphthalene	<b>0.0096J</b>	mg/kg	0.015	0.0076	1		12/10/12 17:12	91-20-3	
Styrene	<b>0.015 U</b>	mg/kg	0.015	0.0033	1		12/10/12 17:12	100-42-5	
1,1,1,2-Tetrachloroethane	<b>0.015 U</b>	mg/kg	0.015	0.0029	1		12/10/12 17:12	630-20-6	
1,1,2,2-Tetrachloroethane	<b>0.015 U</b>	mg/kg	0.015	0.0027	1		12/10/12 17:12	79-34-5	
Tetrachloroethene	<b>0.015 U</b>	mg/kg	0.015	0.0022	1		12/10/12 17:12	127-18-4	
Toluene	<b>0.015 U</b>	mg/kg	0.015	0.0019	1		12/10/12 17:12	108-88-3	
1,2,3-Trichlorobenzene	<b>0.015 U</b>	mg/kg	0.015	0.0044	1		12/10/12 17:12	87-61-6	
1,2,4-Trichlorobenzene	<b>0.015 U</b>	mg/kg	0.015	0.0041	1		12/10/12 17:12	120-82-1	
1,1,1-Trichloroethane	<b>0.015 U</b>	mg/kg	0.015	0.0078	1		12/10/12 17:12	71-55-6	
1,1,2-Trichloroethane	<b>0.015 U</b>	mg/kg	0.015	0.0028	1		12/10/12 17:12	79-00-5	
Trichloroethene	<b>0.015 U</b>	mg/kg	0.015	0.0023	1		12/10/12 17:12	79-01-6	
Trichlorofluoromethane	<b>0.015 U</b>	mg/kg	0.015	0.0027	1		12/10/12 17:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	<b>0.15 U</b>	mg/kg	0.15	0.0020	1		12/10/12 17:12	76-13-1	
1,2,4-Trimethylbenzene	<b>0.015 U</b>	mg/kg	0.015	0.0035	1		12/10/12 17:12	95-63-6	
1,3,5-Trimethylbenzene	<b>0.015 U</b>	mg/kg	0.015	0.0041	1		12/10/12 17:12	108-67-8	
Vinyl acetate	<b>0.15 U</b>	mg/kg	0.15	0.0042	1		12/10/12 17:12	108-05-4	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-25**      **Lab ID: 3083152013**      Collected: 12/04/12 10:45      Received: 12/05/12 09:45      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>									
Analytical Method: EPA 8260									
Xylene (Total)	<b>0.045 U</b>	mg/kg	0.045	0.0092	1		12/10/12 17:12	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	101 %		70-130		1		12/10/12 17:12	2037-26-5	
4-Bromofluorobenzene (S)	105 %		70-130		1		12/10/12 17:12	460-00-4	
1,2-Dichloroethane-d4 (S)	89 %		70-130		1		12/10/12 17:12	17060-07-0	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Percent Moisture	<b>27.0 %</b>		0.10	0.10	1		12/05/12 17:47		

**Sample: GW-25**      **Lab ID: 3083152014**      Collected: 12/04/12 10:50      Received: 12/05/12 09:45      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>									
Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3510									
Diesel Components	<b>45.5</b>	mg/L	5.6	2.1	50	12/10/12 13:30	12/12/12 13:23		
<b>Surrogates</b>									
o-Terphenyl (S)	0 %		50-150		50	12/10/12 13:30	12/12/12 13:23	84-15-1	S4
<b>8082 GCS PCB</b>									
Analytical Method: EPA 8082      Preparation Method: EPA 3510									
PCB-1016 (Aroclor 1016)	<b>0.27 U</b>	ug/L	0.27	0.080	1	12/08/12 06:05	12/12/12 14:18	12674-11-2	
PCB-1221 (Aroclor 1221)	<b>0.27 U</b>	ug/L	0.27	0.095	1	12/08/12 06:05	12/12/12 14:18	11104-28-2	
PCB-1232 (Aroclor 1232)	<b>0.27 U</b>	ug/L	0.27	0.076	1	12/08/12 06:05	12/12/12 14:18	11141-16-5	
PCB-1242 (Aroclor 1242)	<b>0.27 U</b>	ug/L	0.27	0.034	1	12/08/12 06:05	12/12/12 14:18	53469-21-9	
PCB-1248 (Aroclor 1248)	<b>0.27 U</b>	ug/L	0.27	0.025	1	12/08/12 06:05	12/12/12 14:18	12672-29-6	
PCB-1254 (Aroclor 1254)	<b>0.27 U</b>	ug/L	0.27	0.038	1	12/08/12 06:05	12/12/12 14:18	11097-69-1	
PCB-1260 (Aroclor 1260)	<b>0.27 U</b>	ug/L	0.27	0.033	1	12/08/12 06:05	12/12/12 14:18	11096-82-5	
<b>Surrogates</b>									
Tetrachloro-m-xylene (S)	65 %		30-150		1	12/08/12 06:05	12/12/12 14:18	877-09-8	
Decachlorobiphenyl (S)	33 %		30-150		1	12/08/12 06:05	12/12/12 14:18	2051-24-3	
<b>Gasoline Range Organics</b>									
Analytical Method: EPA 5030/8015 Mod.									
TPH (C06-C10)	<b>15200</b>	ug/L	10000	1100	50		12/13/12 17:16		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98 %		70-130		50		12/13/12 17:16	460-00-4	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010B      Preparation Method: EPA 3005									
Antimony	<b>60.0 U</b>	ug/L	60.0	33.2	10	12/06/12 14:48	12/11/12 15:22	7440-36-0	
Arsenic	<b>626</b>	ug/L	50.0	35.5	10	12/06/12 14:48	12/11/12 15:22	7440-38-2	
Beryllium	<b>54.2</b>	ug/L	10.0	2.4	10	12/06/12 14:48	12/11/12 15:22	7440-41-7	
Cadmium	<b>30.0 U</b>	ug/L	30.0	12.7	10	12/06/12 14:48	12/11/12 15:22	7440-43-9	
Chromium	<b>1190</b>	ug/L	50.0	9.0	10	12/06/12 14:48	12/11/12 15:22	7440-47-3	
Copper	<b>575</b>	ug/L	50.0	20.1	10	12/06/12 14:48	12/11/12 15:22	7440-50-8	
Lead	<b>1220</b>	ug/L	5.0	3.2	1	12/06/12 14:48	12/10/12 21:36	7439-92-1	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: GW-25**      **Lab ID: 3083152014**      Collected: 12/04/12 10:50      Received: 12/05/12 09:45      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>6010 MET ICP</b> Analytical Method: EPA 6010B      Preparation Method: EPA 3005									
Nickel	800	ug/L	100	14.1	10	12/06/12 14:48	12/11/12 15:22	7440-02-0	
Selenium	70.5J	ug/L	80.0	33.3	10	12/06/12 14:48	12/11/12 15:22	7782-49-2	
Silver	60.0 U	ug/L	60.0	15.6	10	12/06/12 14:48	12/11/12 15:22	7440-22-4	
Thallium	10.0 U	ug/L	10.0	3.9	1	12/06/12 14:48	12/10/12 21:36	7440-28-0	
Zinc	2110	ug/L	100	13.9	10	12/06/12 14:48	12/11/12 15:22	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470      Preparation Method: EPA 7470									
Mercury	4.0	ug/L	0.20	0.028	1	12/07/12 08:18	12/07/12 14:41	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270      Preparation Method: EPA 3510									
Acenaphthene	1.3 U	ug/L	1.3	0.33	1	12/07/12 09:00	12/11/12 14:19	83-32-9	
Acenaphthylene	1.3 U	ug/L	1.3	0.25	1	12/07/12 09:00	12/11/12 14:19	208-96-8	
Anthracene	1.3 U	ug/L	1.3	0.25	1	12/07/12 09:00	12/11/12 14:19	120-12-7	
Azobenzene	1.3 U	ug/L	1.3	0.31	1	12/07/12 09:00	12/11/12 14:19	103-33-3	N2
Benzo(a)anthracene	1.3 U	ug/L	1.3	0.29	1	12/07/12 09:00	12/11/12 14:19	56-55-3	
Benzo(a)pyrene	1.3 U	ug/L	1.3	0.32	1	12/07/12 09:00	12/11/12 14:19	50-32-8	
Benzo(b)fluoranthene	1.3 U	ug/L	1.3	0.24	1	12/07/12 09:00	12/11/12 14:19	205-99-2	
Benzo(g,h,i)perylene	1.3 U	ug/L	1.3	0.49	1	12/07/12 09:00	12/11/12 14:19	191-24-2	
Benzo(k)fluoranthene	1.3 U	ug/L	1.3	0.32	1	12/07/12 09:00	12/11/12 14:19	207-08-9	
Benzoic acid	127 U	ug/L	127	0.35	1	12/07/12 09:00	12/11/12 14:19	65-85-0	
Benzyl alcohol	1.3 U	ug/L	1.3	0.28	1	12/07/12 09:00	12/11/12 14:19	100-51-6	
4-Bromophenylphenyl ether	1.3 U	ug/L	1.3	0.34	1	12/07/12 09:00	12/11/12 14:19	101-55-3	
Butylbenzylphthalate	1.3 U	ug/L	1.3	0.35	1	12/07/12 09:00	12/11/12 14:19	85-68-7	
Carbazole	1.3 U	ug/L	1.3	0.29	1	12/07/12 09:00	12/11/12 14:19	86-74-8	
4-Chloro-3-methylphenol	1.3 U	ug/L	1.3	0.29	1	12/07/12 09:00	12/11/12 14:19	59-50-7	
4-Chloroaniline	1.3 U	ug/L	1.3	0.18	1	12/07/12 09:00	12/11/12 14:19	106-47-8	
bis(2-Chloroethoxy)methane	1.3 U	ug/L	1.3	0.28	1	12/07/12 09:00	12/11/12 14:19	111-91-1	
bis(2-Chloroethyl) ether	1.3 U	ug/L	1.3	0.37	1	12/07/12 09:00	12/11/12 14:19	111-44-4	
bis(2-Chloroisopropyl) ether	1.3 U	ug/L	1.3	0.28	1	12/07/12 09:00	12/11/12 14:19	108-60-1	
2-Chloronaphthalene	1.3 U	ug/L	1.3	0.30	1	12/07/12 09:00	12/11/12 14:19	91-58-7	
2-Chlorophenol	1.3 U	ug/L	1.3	0.26	1	12/07/12 09:00	12/11/12 14:19	95-57-8	
4-Chlorophenylphenyl ether	1.3 U	ug/L	1.3	0.28	1	12/07/12 09:00	12/11/12 14:19	7005-72-3	
Chrysene	1.3 U	ug/L	1.3	0.29	1	12/07/12 09:00	12/11/12 14:19	218-01-9	
Dibenz(a,h)anthracene	1.3 U	ug/L	1.3	0.57	1	12/07/12 09:00	12/11/12 14:19	53-70-3	
Dibenzofuran	1.3 U	ug/L	1.3	0.31	1	12/07/12 09:00	12/11/12 14:19	132-64-9	
1,2-Dichlorobenzene	1.3 U	ug/L	1.3	0.32	1	12/07/12 09:00	12/11/12 14:19	95-50-1	
1,3-Dichlorobenzene	1.3 U	ug/L	1.3	0.34	1	12/07/12 09:00	12/11/12 14:19	541-73-1	
1,4-Dichlorobenzene	1.3 U	ug/L	1.3	0.36	1	12/07/12 09:00	12/11/12 14:19	106-46-7	
3,3'-Dichlorobenzidine	1.3 U	ug/L	1.3	0.21	1	12/07/12 09:00	12/11/12 14:19	91-94-1	
2,4-Dichlorophenol	1.3 U	ug/L	1.3	0.31	1	12/07/12 09:00	12/11/12 14:19	120-83-2	
Diethylphthalate	1.3 U	ug/L	1.3	0.30	1	12/07/12 09:00	12/11/12 14:19	84-66-2	
2,4-Dimethylphenol	1.3 U	ug/L	1.3	0.41	1	12/07/12 09:00	12/11/12 14:19	105-67-9	
Dimethylphthalate	1.3 U	ug/L	1.3	0.35	1	12/07/12 09:00	12/11/12 14:19	131-11-3	
Di-n-butylphthalate	1.3 U	ug/L	1.3	0.31	1	12/07/12 09:00	12/11/12 14:19	84-74-2	
4,6-Dinitro-2-methylphenol	3.2 U	ug/L	3.2	0.32	1	12/07/12 09:00	12/11/12 14:19	534-52-1	
2,4-Dinitrophenol	3.2 U	ug/L	3.2	0.41	1	12/07/12 09:00	12/11/12 14:19	51-28-5	

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### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: GW-25**      **Lab ID: 3083152014**      Collected: 12/04/12 10:50      Received: 12/05/12 09:45      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

**8270 MSSV Semivolatile Organic**      Analytical Method: EPA 8270      Preparation Method: EPA 3510

2,4-Dinitrotoluene	1.3 U	ug/L	1.3	0.30	1	12/07/12 09:00	12/11/12 14:19	121-14-2	
2,6-Dinitrotoluene	1.3 U	ug/L	1.3	0.32	1	12/07/12 09:00	12/11/12 14:19	606-20-2	
Di-n-octylphthalate	1.3 U	ug/L	1.3	0.35	1	12/07/12 09:00	12/11/12 14:19	117-84-0	
bis(2-Ethylhexyl)phthalate	1.3 U	ug/L	1.3	0.55	1	12/07/12 09:00	12/11/12 14:19	117-81-7	
Fluoranthene	1.3 U	ug/L	1.3	0.27	1	12/07/12 09:00	12/11/12 14:19	206-44-0	
Fluorene	1.3 U	ug/L	1.3	0.26	1	12/07/12 09:00	12/11/12 14:19	86-73-7	
Hexachloro-1,3-butadiene	1.3 U	ug/L	1.3	0.41	1	12/07/12 09:00	12/11/12 14:19	87-68-3	
Hexachlorobenzene	1.3 U	ug/L	1.3	0.32	1	12/07/12 09:00	12/11/12 14:19	118-74-1	
Hexachlorocyclopentadiene	1.3 U	ug/L	1.3	0.23	1	12/07/12 09:00	12/11/12 14:19	77-47-4	
Hexachloroethane	1.3 U	ug/L	1.3	0.39	1	12/07/12 09:00	12/11/12 14:19	67-72-1	
Indeno(1,2,3-cd)pyrene	1.3 U	ug/L	1.3	0.61	1	12/07/12 09:00	12/11/12 14:19	193-39-5	
Isophorone	1.3 U	ug/L	1.3	0.25	1	12/07/12 09:00	12/11/12 14:19	78-59-1	
1-Methylnaphthalene	1.3 U	ug/L	1.3	0.30	1	12/07/12 09:00	12/11/12 14:19	90-12-0	N2
2-Methylnaphthalene	1.3 U	ug/L	1.3	0.34	1	12/07/12 09:00	12/11/12 14:19	91-57-6	
2-Methylphenol(o-Cresol)	1.3 U	ug/L	1.3	0.34	1	12/07/12 09:00	12/11/12 14:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	2.5 U	ug/L	2.5	0.89	1	12/07/12 09:00	12/11/12 14:19		
Naphthalene	1.3 U	ug/L	1.3	0.29	1	12/07/12 09:00	12/11/12 14:19	91-20-3	
2-Nitroaniline	3.2 U	ug/L	3.2	0.36	1	12/07/12 09:00	12/11/12 14:19	88-74-4	
3-Nitroaniline	3.2 U	ug/L	3.2	0.32	1	12/07/12 09:00	12/11/12 14:19	99-09-2	
4-Nitroaniline	3.2 U	ug/L	3.2	0.55	1	12/07/12 09:00	12/11/12 14:19	100-01-6	
Nitrobenzene	1.3 U	ug/L	1.3	0.59	1	12/07/12 09:00	12/11/12 14:19	98-95-3	
2-Nitrophenol	1.3 U	ug/L	1.3	0.34	1	12/07/12 09:00	12/11/12 14:19	88-75-5	
4-Nitrophenol	1.3 U	ug/L	1.3	0.49	1	12/07/12 09:00	12/11/12 14:19	100-02-7	
N-Nitrosodimethylamine	1.3 U	ug/L	1.3	0.36	1	12/07/12 09:00	12/11/12 14:19	62-75-9	
N-Nitroso-di-n-propylamine	1.3 U	ug/L	1.3	0.26	1	12/07/12 09:00	12/11/12 14:19	621-64-7	
N-Nitrosodiphenylamine	1.3 U	ug/L	1.3	0.26	1	12/07/12 09:00	12/11/12 14:19	86-30-6	
Pentachlorophenol	3.2 U	ug/L	3.2	0.36	1	12/07/12 09:00	12/11/12 14:19	87-86-5	
Phenanthrene	1.3 U	ug/L	1.3	0.29	1	12/07/12 09:00	12/11/12 14:19	85-01-8	
Phenol	1.3 U	ug/L	1.3	0.33	1	12/07/12 09:00	12/11/12 14:19	108-95-2	
Pyrene	1.3 U	ug/L	1.3	0.35	1	12/07/12 09:00	12/11/12 14:19	129-00-0	
1,2,4-Trichlorobenzene	1.3 U	ug/L	1.3	0.36	1	12/07/12 09:00	12/11/12 14:19	120-82-1	
2,4,5-Trichlorophenol	3.2 U	ug/L	3.2	0.50	1	12/07/12 09:00	12/11/12 14:19	95-95-4	
2,4,6-Trichlorophenol	1.3 U	ug/L	1.3	0.31	1	12/07/12 09:00	12/11/12 14:19	88-06-2	
<b>Surrogates</b>									
Nitrobenzene-d5 (S)	160 %		35-114		1	12/07/12 09:00	12/11/12 14:19	4165-60-0	S3
2-Fluorobiphenyl (S)	85 %		43-116		1	12/07/12 09:00	12/11/12 14:19	321-60-8	
Terphenyl-d14 (S)	80 %		33-141		1	12/07/12 09:00	12/11/12 14:19	1718-51-0	
Phenol-d6 (S)	21 %		10-110		1	12/07/12 09:00	12/11/12 14:19	13127-88-3	
2-Fluorophenol (S)	39 %		21-110		1	12/07/12 09:00	12/11/12 14:19	367-12-4	
2,4,6-Tribromophenol (S)	79 %		10-123		1	12/07/12 09:00	12/11/12 14:19	118-79-6	

**8260 MSV**      Analytical Method: EPA 8260

Acetone	10.0 U	ug/L	10.0	2.6	1		12/10/12 22:16	67-64-1	1c
tert-Amylmethyl ether	1.0 U	ug/L	1.0	0.20	1		12/10/12 22:16	994-05-8	
Benzene	0.43J	ug/L	1.0	0.065	1		12/10/12 22:16	71-43-2	
Bromochloromethane	1.0 U	ug/L	1.0	0.22	1		12/10/12 22:16	74-97-5	

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### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: GW-25**      **Lab ID: 3083152014**      Collected: 12/04/12 10:50      Received: 12/05/12 09:45      Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>8260 MSV</b> Analytical Method: EPA 8260									
Bromodichloromethane	1.0 U	ug/L	1.0	0.15	1		12/10/12 22:16	75-27-4	
Bromoform	1.0 U	ug/L	1.0	0.25	1		12/10/12 22:16	75-25-2	
Bromomethane	1.0 U	ug/L	1.0	0.37	1		12/10/12 22:16	74-83-9	
2-Butanone (MEK)	10.0 U	ug/L	10.0	1.1	1		12/10/12 22:16	78-93-3	
tert-Butyl Alcohol	5.0 U	ug/L	5.0	4.6	1		12/10/12 22:16	75-65-0	
Carbon disulfide	1.0 U	ug/L	1.0	0.18	1		12/10/12 22:16	75-15-0	
Carbon tetrachloride	1.0 U	ug/L	1.0	0.24	1		12/10/12 22:16	56-23-5	
Chlorobenzene	1.0 U	ug/L	1.0	0.12	1		12/10/12 22:16	108-90-7	
Chloroethane	1.0 U	ug/L	1.0	0.48	1		12/10/12 22:16	75-00-3	
Chloroform	1.0 U	ug/L	1.0	0.16	1		12/10/12 22:16	67-66-3	
Chloromethane	1.0 U	ug/L	1.0	0.21	1		12/10/12 22:16	74-87-3	
Cyclohexane	0.63J	ug/L	10.0	0.24	1		12/10/12 22:16	110-82-7	
1,2-Dibromo-3-chloropropane	5.0 U	ug/L	5.0	0.74	1		12/10/12 22:16	96-12-8	
Dibromochloromethane	1.0 U	ug/L	1.0	0.22	1		12/10/12 22:16	124-48-1	
1,2-Dibromoethane (EDB)	1.0 U	ug/L	1.0	0.17	1		12/10/12 22:16	106-93-4	
1,2-Dichlorobenzene	1.0 U	ug/L	1.0	0.23	1		12/10/12 22:16	95-50-1	
1,3-Dichlorobenzene	1.0 U	ug/L	1.0	0.26	1		12/10/12 22:16	541-73-1	
1,4-Dichlorobenzene	1.0 U	ug/L	1.0	0.17	1		12/10/12 22:16	106-46-7	
Dichlorodifluoromethane	1.0 U	ug/L	1.0	0.20	1		12/10/12 22:16	75-71-8	
1,1-Dichloroethane	1.0 U	ug/L	1.0	0.16	1		12/10/12 22:16	75-34-3	
1,2-Dichloroethane	1.0 U	ug/L	1.0	0.14	1		12/10/12 22:16	107-06-2	
1,1-Dichloroethene	1.0 U	ug/L	1.0	0.14	1		12/10/12 22:16	75-35-4	
cis-1,2-Dichloroethene	0.25J	ug/L	1.0	0.20	1		12/10/12 22:16	156-59-2	
trans-1,2-Dichloroethene	1.0 U	ug/L	1.0	0.18	1		12/10/12 22:16	156-60-5	
1,2-Dichloropropane	1.0 U	ug/L	1.0	0.23	1		12/10/12 22:16	78-87-5	
cis-1,3-Dichloropropene	1.0 U	ug/L	1.0	0.19	1		12/10/12 22:16	10061-01-5	
trans-1,3-Dichloropropene	1.0 U	ug/L	1.0	0.23	1		12/10/12 22:16	10061-02-6	
Diisopropyl ether	1.0 U	ug/L	1.0	0.14	1		12/10/12 22:16	108-20-3	
Ethanol	200 U	ug/L	200	36.7	1		12/10/12 22:16	64-17-5	
Ethylbenzene	1.0 U	ug/L	1.0	0.12	1		12/10/12 22:16	100-41-4	
Ethyl-tert-butyl ether	1.0 U	ug/L	1.0	0.15	1		12/10/12 22:16	637-92-3	
2-Hexanone	10.0 U	ug/L	10.0	0.34	1		12/10/12 22:16	591-78-6	
Isobutanol	50.0 U	ug/L	50.0	19.2	1		12/10/12 22:16	78-83-1	
Isopropylbenzene (Cumene)	1.0 U	ug/L	1.0	0.12	1		12/10/12 22:16	98-82-8	
Methyl acetate	5.0 U	ug/L	5.0	2.0	1		12/10/12 22:16	79-20-9	
Methylcyclohexane	9.1J	ug/L	10.0	0.24	1		12/10/12 22:16	108-87-2	
Methylene Chloride	1.0 U	ug/L	1.0	0.23	1		12/10/12 22:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	10.0 U	ug/L	10.0	0.29	1		12/10/12 22:16	108-10-1	
Methyl-tert-butyl ether	1.0 U	ug/L	1.0	0.19	1		12/10/12 22:16	1634-04-4	
Naphthalene	2.0 U	ug/L	2.0	0.33	1		12/10/12 22:16	91-20-3	
Styrene	1.0 U	ug/L	1.0	0.18	1		12/10/12 22:16	100-42-5	
1,1,2,2-Tetrachloroethane	1.0 U	ug/L	1.0	0.22	1		12/10/12 22:16	79-34-5	
Tetrachloroethene	1.0 U	ug/L	1.0	0.12	1		12/10/12 22:16	127-18-4	
Toluene	0.44J	ug/L	1.0	0.11	1		12/10/12 22:16	108-88-3	
1,2,3-Trichlorobenzene	2.0 U	ug/L	2.0	0.29	1		12/10/12 22:16	87-61-6	
1,2,4-Trichlorobenzene	1.0 U	ug/L	1.0	0.33	1		12/10/12 22:16	120-82-1	

### ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Sample: <b>GW-25</b> Lab ID: <b>3083152014</b> Collected: 12/04/12 10:50      Received: 12/05/12 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260									
1,1,1-Trichloroethane	1.0 U	ug/L	1.0	0.19	1		12/10/12 22:16	71-55-6	
1,1,2-Trichloroethane	1.0 U	ug/L	1.0	0.23	1		12/10/12 22:16	79-00-5	
Trichloroethene	1.0 U	ug/L	1.0	0.15	1		12/10/12 22:16	79-01-6	
Trichlorofluoromethane	1.0 U	ug/L	1.0	0.19	1		12/10/12 22:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	50.0 U	ug/L	50.0	0.14	1		12/10/12 22:16	76-13-1	
Vinyl chloride	1.0 U	ug/L	1.0	0.13	1		12/10/12 22:16	75-01-4	
Xylene (Total)	3.0 U	ug/L	3.0	0.31	1		12/10/12 22:16	1330-20-7	
m&p-Xylene	2.0 U	ug/L	2.0	0.21	1		12/10/12 22:16	179601-23-1	
o-Xylene	1.0 U	ug/L	1.0	0.10	1		12/10/12 22:16	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89 %		85-115		1		12/10/12 22:16	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		77-119		1		12/10/12 22:16	17060-07-0	
Toluene-d8 (S)	116 %		85-115		1		12/10/12 22:16	2037-26-5	S2

Sample: <b>B-26</b> Lab ID: <b>3083152015</b> Collected: 12/04/12 11:30      Received: 12/05/12 09:45      Matrix: Solid									
<i>Results reported on a "dry-weight" basis</i>									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 3546									
Diesel Components	19.7	mg/kg	9.4	5.5	1	12/06/12 10:00	12/11/12 12:10		
<b>Surrogates</b>									
o-Terphenyl (S)	63 %		50-150		1	12/06/12 10:00	12/11/12 12:10	84-15-1	
<b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Modified      Preparation Method: EPA 5035A/5030B									
Gasoline Range Organics	147	mg/kg	126	28.0	10	12/13/12 13:02	12/13/12 17:00		
TPH (C06-C10)	152	mg/kg	126	28.8	10	12/13/12 13:02	12/13/12 17:00		
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93 %		70-130		10	12/13/12 13:02	12/13/12 17:00	460-00-4	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260									
Acetone	0.066	mg/kg	0.037	0.0072	1		12/10/12 17:38	67-64-1	
tert-Amylmethyl ether	0.018 U	mg/kg	0.018	0.0024	1		12/10/12 17:38	994-05-8	
Benzene	0.018 U	mg/kg	0.018	0.0029	1		12/10/12 17:38	71-43-2	
Bromochloromethane	0.018 U	mg/kg	0.018	0.0029	1		12/10/12 17:38	74-97-5	
Bromodichloromethane	0.018 U	mg/kg	0.018	0.0067	1		12/10/12 17:38	75-27-4	
Bromoform	0.018 U	mg/kg	0.018	0.0093	1		12/10/12 17:38	75-25-2	
Bromomethane	0.018 U	mg/kg	0.018	0.011	1		12/10/12 17:38	74-83-9	
2-Butanone (MEK)	0.037 U	mg/kg	0.037	0.0047	1		12/10/12 17:38	78-93-3	
tert-Butyl Alcohol	0.18 U	mg/kg	0.18	0.026	1		12/10/12 17:38	75-65-0	
Carbon disulfide	0.0047J	mg/kg	0.018	0.0028	1		12/10/12 17:38	75-15-0	
Carbon tetrachloride	0.018 U	mg/kg	0.018	0.0033	1		12/10/12 17:38	56-23-5	
Chlorobenzene	0.018 U	mg/kg	0.018	0.0037	1		12/10/12 17:38	108-90-7	
Chloroethane	0.018 U	mg/kg	0.018	0.0060	1		12/10/12 17:38	75-00-3	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Sample: B-26 Lab ID: 3083152015 Collected: 12/04/12 11:30 Received: 12/05/12 09:45 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
Chloroform	0.018 U	mg/kg	0.018	0.0026	1		12/10/12 17:38	67-66-3	
Chloromethane	0.018 U	mg/kg	0.018	0.0039	1		12/10/12 17:38	74-87-3	
Cyclohexane	0.58	mg/kg	0.037	0.0046	1		12/10/12 17:38	110-82-7	
1,2-Dibromo-3-chloropropane	0.018 U	mg/kg	0.018	0.0063	1		12/10/12 17:38	96-12-8	
Dibromochloromethane	0.018 U	mg/kg	0.018	0.0057	1		12/10/12 17:38	124-48-1	
1,2-Dibromoethane (EDB)	0.018 U	mg/kg	0.018	0.0096	1		12/10/12 17:38	106-93-4	
1,2-Dichlorobenzene	0.018 U	mg/kg	0.018	0.0040	1		12/10/12 17:38	95-50-1	
1,3-Dichlorobenzene	0.018 U	mg/kg	0.018	0.0047	1		12/10/12 17:38	541-73-1	
1,4-Dichlorobenzene	0.018 U	mg/kg	0.018	0.0045	1		12/10/12 17:38	106-46-7	
Dichlorodifluoromethane	0.018 U	mg/kg	0.018	0.0033	1		12/10/12 17:38	75-71-8	
1,1-Dichloroethane	0.018 U	mg/kg	0.018	0.0029	1		12/10/12 17:38	75-34-3	
1,2-Dichloroethane	0.018 U	mg/kg	0.018	0.0034	1		12/10/12 17:38	107-06-2	
1,1-Dichloroethene	0.018 U	mg/kg	0.018	0.0030	1		12/10/12 17:38	75-35-4	
cis-1,2-Dichloroethene	0.018 U	mg/kg	0.018	0.0091	1		12/10/12 17:38	156-59-2	
trans-1,2-Dichloroethene	0.018 U	mg/kg	0.018	0.0030	1		12/10/12 17:38	156-60-5	
1,2-Dichloropropane	0.018 U	mg/kg	0.018	0.0060	1		12/10/12 17:38	78-87-5	
cis-1,3-Dichloropropene	0.018 U	mg/kg	0.018	0.0058	1		12/10/12 17:38	10061-01-5	
trans-1,3-Dichloropropene	0.018 U	mg/kg	0.018	0.0060	1		12/10/12 17:38	10061-02-6	
Diisopropyl ether	0.018 U	mg/kg	0.018	0.0029	1		12/10/12 17:38	108-20-3	
Ethylbenzene	0.018 U	mg/kg	0.018	0.0095	1		12/10/12 17:38	100-41-4	
Ethyl-tert-butyl ether	0.018 U	mg/kg	0.018	0.0029	1		12/10/12 17:38	637-92-3	
Hexachloro-1,3-butadiene	0.018 U	mg/kg	0.018	0.0073	1		12/10/12 17:38	87-68-3	
2-Hexanone	0.037 U	mg/kg	0.037	0.0044	1		12/10/12 17:38	591-78-6	
Isobutanol	0.18 U	mg/kg	0.18	0.11	1		12/10/12 17:38	78-83-1	
Isopropylbenzene (Cumene)	0.23	mg/kg	0.018	0.0039	1		12/10/12 17:38	98-82-8	
p-Isopropyltoluene	0.065	mg/kg	0.018	0.0076	1		12/10/12 17:38	99-87-6	
Methyl acetate	0.18 U	mg/kg	0.18	0.011	1		12/10/12 17:38	79-20-9	
Methylcyclohexane	5.0	mg/kg	0.63	0.15	50		12/12/12 11:10	108-87-2	
Methylene Chloride	0.018 U	mg/kg	0.018	0.0049	1		12/10/12 17:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	0.037 U	mg/kg	0.037	0.0038	1		12/10/12 17:38	108-10-1	
Methyl-tert-butyl ether	0.018 U	mg/kg	0.018	0.0026	1		12/10/12 17:38	1634-04-4	
Naphthalene	0.011J	mg/kg	0.018	0.0093	1		12/10/12 17:38	91-20-3	
Styrene	0.018 U	mg/kg	0.018	0.0041	1		12/10/12 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	0.018 U	mg/kg	0.018	0.0036	1		12/10/12 17:38	630-20-6	
1,1,2,2-Tetrachloroethane	0.018 U	mg/kg	0.018	0.0033	1		12/10/12 17:38	79-34-5	
Tetrachloroethene	0.018 U	mg/kg	0.018	0.0027	1		12/10/12 17:38	127-18-4	
Toluene	0.018 U	mg/kg	0.018	0.0024	1		12/10/12 17:38	108-88-3	
1,2,3-Trichlorobenzene	0.018 U	mg/kg	0.018	0.0054	1		12/10/12 17:38	87-61-6	
1,2,4-Trichlorobenzene	0.018 U	mg/kg	0.018	0.0050	1		12/10/12 17:38	120-82-1	
1,1,1-Trichloroethane	0.018 U	mg/kg	0.018	0.0096	1		12/10/12 17:38	71-55-6	
1,1,2-Trichloroethane	0.018 U	mg/kg	0.018	0.0034	1		12/10/12 17:38	79-00-5	
Trichloroethene	0.018 U	mg/kg	0.018	0.0028	1		12/10/12 17:38	79-01-6	
Trichlorofluoromethane	0.018 U	mg/kg	0.018	0.0033	1		12/10/12 17:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.18 U	mg/kg	0.18	0.0025	1		12/10/12 17:38	76-13-1	
1,2,4-Trimethylbenzene	0.018 U	mg/kg	0.018	0.0043	1		12/10/12 17:38	95-63-6	

## ANALYTICAL RESULTS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

**Sample: B-26**      **Lab ID: 3083152015**      Collected: 12/04/12 11:30      Received: 12/05/12 09:45      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	<b>0.061</b>	mg/kg	0.018	0.0050	1		12/10/12 17:38	108-67-8	
Vinyl acetate	<b>0.18 U</b>	mg/kg	0.18	0.0052	1		12/10/12 17:38	108-05-4	
Xylene (Total)	<b>0.055 U</b>	mg/kg	0.055	0.011	1		12/10/12 17:38	1330-20-7	
<b>Surrogates</b>									
Toluene-d8 (S)	231	%	70-130		1		12/10/12 17:38	2037-26-5	S2
4-Bromofluorobenzene (S)	97	%	70-130		1		12/10/12 17:38	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		12/10/12 17:38	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87							
Percent Moisture	<b>28.8</b>	%	0.10	0.10	1		12/05/12 17:48		

**QUALITY CONTROL DATA**

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

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QC Batch: GCV/1867 Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics  
Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152004, 3083152005, 3083152006, 3083152007, 3083152009,  
3083152010, 3083152011, 3083152012, 3083152013, 3083152015

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METHOD BLANK: 521156 Matrix: Solid  
Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152004, 3083152005, 3083152006, 3083152007, 3083152009,  
3083152010, 3083152011, 3083152012, 3083152013, 3083152015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	10.0 U	10.0	12/13/12 13:06	
TPH (C06-C10)	mg/kg	10.0 U	10.0	12/13/12 13:06	
4-Bromofluorobenzene (S)	%	89	70-130	12/13/12 13:06	

LABORATORY CONTROL SAMPLE: 521157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	50	41.8	84	70-130	
TPH (C06-C10)	mg/kg	50	45.4	91	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 521158 521159

Parameter	Units	3083152001		521158		521159		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Gasoline Range Organics	mg/kg	58.2	52.6	52.6	111	102	101	84	70-130	8	30
TPH (C06-C10)	mg/kg	62.9	52.6	52.6	120	112	108	93	70-130	7	30
4-Bromofluorobenzene (S)	%						108	120	70-130		

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch:	GCV/1866	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	3083152014		

METHOD BLANK: 521119 Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C10)	ug/L	38.9J	200	12/07/12 12:30	
4-Bromofluorobenzene (S)	%	84	70-130	12/07/12 12:30	

LABORATORY CONTROL SAMPLE: 521120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C10)	ug/L	1000	916	92	70-130	
4-Bromofluorobenzene (S)	%			86	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 521121 521122

Parameter	Units	3083104003 Result	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	% Rec	% Rec							
TPH (C06-C10)	ug/L	ND	1000	710	762	70	75	70-130	7	30				
4-Bromofluorobenzene (S)	%					77	78	70-130						

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch:	MERP/4063	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	3083152014		

METHOD BLANK: 521025 Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.20 U	0.20	12/07/12 14:16	

LABORATORY CONTROL SAMPLE: 521026

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.94	94	85-115	

MATRIX SPIKE SAMPLE: 521028

Parameter	Units	3083045004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.4	96	85-115	

SAMPLE DUPLICATE: 521027

Parameter	Units	3083045004 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	ug/L	ND	0.20 U		20	



### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

QC Batch: MERP/4070 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152008, 3083152013

METHOD BLANK: 521983 Matrix: Solid  
Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152008, 3083152013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	0.10 U	0.10	12/11/12 12:39	

LABORATORY CONTROL SAMPLE: 521984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.042	0.043J	104	85-115	

MATRIX SPIKE SAMPLE: 521986

Parameter	Units	3083301001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.10J	.13	0.19	69	75-125	M1

SAMPLE DUPLICATE: 521985

Parameter	Units	3083301001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.10J	0.064J		20	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch: MPRP/9694 Analysis Method: EPA 6010B

QC Batch Method: EPA 3050 Analysis Description: 6010 MET

Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152008, 3083152013

METHOD BLANK: 521105 Matrix: Solid

Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152008, 3083152013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	0.60 U	0.60	12/12/12 10:59	
Arsenic	mg/kg	0.50 U	0.50	12/12/12 10:59	
Beryllium	mg/kg	0.20 U	0.20	12/12/12 10:59	
Cadmium	mg/kg	0.30 U	0.30	12/12/12 10:59	
Chromium	mg/kg	0.50 U	0.50	12/12/12 10:59	
Copper	mg/kg	1.0 U	1.0	12/12/12 10:59	
Lead	mg/kg	0.50 U	0.50	12/12/12 10:59	
Nickel	mg/kg	2.0 U	2.0	12/12/12 10:59	
Selenium	mg/kg	0.80 U	0.80	12/12/12 10:59	
Silver	mg/kg	0.60 U	0.60	12/12/12 10:59	
Thallium	mg/kg	2.0 U	2.0	12/12/12 10:59	
Zinc	mg/kg	1.0 U	1.0	12/12/12 10:59	

LABORATORY CONTROL SAMPLE: 521106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	50.2	100	80-120	
Arsenic	mg/kg	50	48.4	97	80-120	
Beryllium	mg/kg	50	50.6	101	80-120	
Cadmium	mg/kg	50	48.6	97	80-120	
Chromium	mg/kg	50	49.8	100	80-120	
Copper	mg/kg	50	49.8	100	80-120	
Lead	mg/kg	50	47.9	96	80-120	
Nickel	mg/kg	50	50.8	102	80-120	
Selenium	mg/kg	50	47.7	95	80-120	
Silver	mg/kg	25	25.1	100	80-120	
Thallium	mg/kg	50	47.0	94	80-120	
Zinc	mg/kg	50	49.5	99	80-120	

MATRIX SPIKE SAMPLE: 521108

Parameter	Units	3082822001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	ND	41.5	12.7	31	80-120	M1
Arsenic	mg/kg	8.5	41.5	40.1	76	80-120	M1
Beryllium	mg/kg	0.88	41.5	37.8	89	80-120	
Cadmium	mg/kg	ND	41.5	35.7	86	80-120	
Chromium	mg/kg	16.1	41.5	56.5	97	80-120	
Copper	mg/kg	18.8	41.5	56.9	92	80-120	
Lead	mg/kg	19.0	41.5	61.1	101	80-120	
Nickel	mg/kg	23.6	41.5	66.0	102	80-120	

Date: 12/14/2012 04:48 PM

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

MATRIX SPIKE SAMPLE: 521108		3082822001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Selenium	mg/kg	1.3	41.5	35.6	83	80-120	
Silver	mg/kg	ND	20.7	18.7	89	80-120	
Thallium	mg/kg	ND	41.5	37.1	89	80-120	
Zinc	mg/kg	61.1	41.5	104	103	80-120	

SAMPLE DUPLICATE: 521107

Parameter	Units	3082822001	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
Antimony	mg/kg	ND	0.63 U		20	
Arsenic	mg/kg	8.5	7.4	13	20	
Beryllium	mg/kg	0.88	0.94	7	20	
Cadmium	mg/kg	ND	0.32 U		20	
Chromium	mg/kg	16.1	17.2	7	20	
Copper	mg/kg	18.8	19.9	6	20	
Lead	mg/kg	19.0	17.8	6	20	
Nickel	mg/kg	23.6	26.7	12	20	
Selenium	mg/kg	1.3	1.1	17	20	
Silver	mg/kg	ND	0.63 U		20	
Thallium	mg/kg	ND	2.1 U		20	
Zinc	mg/kg	61.1	66.4	8	20	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

QC Batch: MPRP/9687 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3005 Analysis Description: 6010 MET  
Associated Lab Samples: 3083152014

METHOD BLANK: 520553 Matrix: Water  
Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	6.0 U	6.0	12/10/12 20:10	
Arsenic	ug/L	5.0 U	5.0	12/10/12 20:10	
Beryllium	ug/L	1.0 U	1.0	12/10/12 20:10	
Cadmium	ug/L	3.0 U	3.0	12/10/12 20:10	
Chromium	ug/L	5.0 U	5.0	12/10/12 20:10	
Copper	ug/L	5.0 U	5.0	12/10/12 20:10	
Lead	ug/L	5.0 U	5.0	12/10/12 20:10	
Nickel	ug/L	10.0 U	10.0	12/10/12 20:10	
Selenium	ug/L	8.0 U	8.0	12/10/12 20:10	
Silver	ug/L	6.0 U	6.0	12/10/12 20:10	
Thallium	ug/L	10.0 U	10.0	12/10/12 20:10	
Zinc	ug/L	10.0 U	10.0	12/10/12 20:10	

LABORATORY CONTROL SAMPLE: 520554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	500	100	80-120	
Arsenic	ug/L	500	488	98	80-120	
Beryllium	ug/L	500	488	98	80-120	
Cadmium	ug/L	500	504	101	80-120	
Chromium	ug/L	500	498	100	80-120	
Copper	ug/L	500	477	95	80-120	
Lead	ug/L	500	465	93	80-120	
Nickel	ug/L	500	513	103	80-120	
Selenium	ug/L	500	490	98	80-120	
Silver	ug/L	250	252	101	80-120	
Thallium	ug/L	500	430	86	80-120	
Zinc	ug/L	500	522	104	80-120	

MATRIX SPIKE SAMPLE: 520556

Parameter	Units	3083152014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	60.0 U	500	60.0 U	2	80-120	M1
Arsenic	ug/L	626	500	1010	76	80-120	M1
Beryllium	ug/L	54.2	500	479	85	80-120	
Cadmium	ug/L	30.0 U	500	429	85	80-120	
Chromium	ug/L	1190	500	1570	75	80-120	M1
Copper	ug/L	575	500	983	82	80-120	
Lead	ug/L	1220	500	1740	104	80-120	
Nickel	ug/L	800	500	1190	78	80-120	M1

Date: 12/14/2012 04:48 PM

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

MATRIX SPIKE SAMPLE: 520556		3083152014	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Selenium	ug/L	70.5J	500	293	44	80-120	M1
Silver	ug/L	60.0 U	250	217	85	80-120	
Thallium	ug/L	10.0 U	500	399	80	80-120	
Zinc	ug/L	2110	500	2520	81	80-120	

SAMPLE DUPLICATE: 520555

Parameter	Units	3083152014	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
Antimony	ug/L	60.0 U	60.0 U		20	
Arsenic	ug/L	626	656	5	20	
Beryllium	ug/L	54.2	57.2	5	20	
Cadmium	ug/L	30.0 U	30.0 U		20	
Chromium	ug/L	1190	1240	4	20	
Copper	ug/L	575	600	4	20	
Lead	ug/L	1220	1340	10	20	
Nickel	ug/L	800	826	3	20	
Selenium	ug/L	70.5J	71.0J		20	
Silver	ug/L	60.0 U	60.0 U		20	
Thallium	ug/L	10.0 U	10.0 U		20	
Zinc	ug/L	2110	2220	5	20	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch: MSV/14808 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low  
 Associated Lab Samples: 3083152002, 3083152004, 3083152005, 3083152006, 3083152007, 3083152009, 3083152010, 3083152011, 3083152012, 3083152013, 3083152015

METHOD BLANK: 522875 Matrix: Solid  
 Associated Lab Samples: 3083152002, 3083152004, 3083152005, 3083152006, 3083152007, 3083152009, 3083152010, 3083152011, 3083152012, 3083152013, 3083152015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,1,1-Trichloroethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,1,2,2-Tetrachloroethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,1,2-Trichloroethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,1,2-Trichlorotrifluoroethane	mg/kg	0.050 U	0.050	12/10/12 11:25	
1,1-Dichloroethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,1-Dichloroethene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2,3-Trichlorobenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2,4-Trichlorobenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2,4-Trimethylbenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2-Dibromo-3-chloropropane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2-Dibromoethane (EDB)	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2-Dichlorobenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2-Dichloroethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,2-Dichloropropane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,3,5-Trimethylbenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,3-Dichlorobenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
1,4-Dichlorobenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
2-Butanone (MEK)	mg/kg	0.010 U	0.010	12/10/12 11:25	
2-Hexanone	mg/kg	0.010 U	0.010	12/10/12 11:25	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.010 U	0.010	12/10/12 11:25	
Acetone	mg/kg	0.017	0.010	12/10/12 11:25	B,C9
Benzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Bromochloromethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Bromodichloromethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Bromoform	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Bromomethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Carbon disulfide	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Carbon tetrachloride	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Chlorobenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Chloroethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Chloroform	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Chloromethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
cis-1,2-Dichloroethene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
cis-1,3-Dichloropropene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Cyclohexane	mg/kg	0.010 U	0.010	12/10/12 11:25	
Dibromochloromethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Dichlorodifluoromethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Diisopropyl ether	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Ethyl-tert-butyl ether	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Ethylbenzene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

METHOD BLANK: 522875

Matrix: Solid

Associated Lab Samples: 3083152002, 3083152004, 3083152005, 3083152006, 3083152007, 3083152009, 3083152010, 3083152011, 3083152012, 3083152013, 3083152015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Isobutanol	mg/kg	0.050 U	0.050	12/10/12 11:25	N2
Isopropylbenzene (Cumene)	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Methyl acetate	mg/kg	0.050 U	0.050	12/10/12 11:25	
Methyl-tert-butyl ether	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Methylcyclohexane	mg/kg	0.010 U	0.010	12/10/12 11:25	
Methylene Chloride	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Naphthalene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
p-Isopropyltoluene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Styrene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
tert-Amylmethyl ether	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
tert-Butyl Alcohol	mg/kg	0.050 U	0.050	12/10/12 11:25	
Tetrachloroethene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Toluene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
trans-1,2-Dichloroethene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
trans-1,3-Dichloropropene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Trichloroethene	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Trichlorofluoromethane	mg/kg	0.0050 U	0.0050	12/10/12 11:25	
Vinyl acetate	mg/kg	0.050 U	0.050	12/10/12 11:25	
Xylene (Total)	mg/kg	0.015 U	0.015	12/10/12 11:25	
1,2-Dichloroethane-d4 (S)	%	103	70-130	12/10/12 11:25	
4-Bromofluorobenzene (S)	%	103	70-130	12/10/12 11:25	
Toluene-d8 (S)	%	97	70-130	12/10/12 11:25	

LABORATORY CONTROL SAMPLE: 522876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.016	82	66-111	
1,1,1-Trichloroethane	mg/kg	.02	0.016	82	55-141	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.017	84	58-124	
1,1,2-Trichloroethane	mg/kg	.02	0.018	88	70-118	
1,1,2-Trichlorotrifluoroethane	mg/kg	.02	0.025J	125	38-196	
1,1-Dichloroethane	mg/kg	.02	0.016	81	64-127	
1,1-Dichloroethene	mg/kg	.02	0.016	82	50-133	
1,2,3-Trichlorobenzene	mg/kg	.02	0.019	96	71-119	
1,2,4-Trichlorobenzene	mg/kg	.02	0.019	96	70-119	
1,2,4-Trimethylbenzene	mg/kg	.02	0.019	95	67-130	
1,2-Dibromo-3-chloropropane	mg/kg	.02	0.016	78	54-120	
1,2-Dibromoethane (EDB)	mg/kg	.02	0.017	83	67-117	
1,2-Dichlorobenzene	mg/kg	.02	0.018	90	67-122	
1,2-Dichloroethane	mg/kg	.02	0.014	70	54-132	
1,2-Dichloropropane	mg/kg	.02	0.018	89	68-112	
1,3,5-Trimethylbenzene	mg/kg	.02	0.019	97	65-132	
1,3-Dichlorobenzene	mg/kg	.02	0.018	90	65-127	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

LABORATORY CONTROL SAMPLE: 522876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	mg/kg	.02	0.018	92	66-127	
2-Butanone (MEK)	mg/kg	.02	0.020	99	54-135	
2-Hexanone	mg/kg	.02	0.016	81	58-148	
4-Methyl-2-pentanone (MIBK)	mg/kg	.02	0.017	85	55-142	
Acetone	mg/kg	.02	0.019	94	39-200	
Benzene	mg/kg	.02	0.018	91	65-130	
Bromochloromethane	mg/kg	.02	0.015	76	53-140	
Bromodichloromethane	mg/kg	.02	0.015	74	57-125	
Bromoform	mg/kg	.02	0.015	74	53-121	
Bromomethane	mg/kg	.02	0.020	100	30-167	
Carbon disulfide	mg/kg	.02	0.023	113	49-150	
Carbon tetrachloride	mg/kg	.02	0.018	90	47-146	
Chlorobenzene	mg/kg	.02	0.018	88	67-124	
Chloroethane	mg/kg	.02	0.017	85	34-170	
Chloroform	mg/kg	.02	0.016	82	63-128	
Chloromethane	mg/kg	.02	0.021	107	39-159	
cis-1,2-Dichloroethene	mg/kg	.02	0.016	79	64-126	
cis-1,3-Dichloropropene	mg/kg	.02	0.017	84	66-124	
Cyclohexane	mg/kg	.02	0.025	127	37-186	
Dibromochloromethane	mg/kg	.02	0.017	84	56-122	
Dichlorodifluoromethane	mg/kg	.02	0.023	116	10-189	
Diisopropyl ether	mg/kg	.02	0.021	107	53-147	
Ethyl-tert-butyl ether	mg/kg	.02	0.018	88	75-131	
Ethylbenzene	mg/kg	.02	0.018	92	65-131	
Hexachloro-1,3-butadiene	mg/kg	.02	0.019	94	74-116	
Isobutanol	mg/kg	.1	0.090	90	18-163	N2
Isopropylbenzene (Cumene)	mg/kg	.02	0.021	105	64-137	
Methyl acetate	mg/kg	.02	0.027J	134	10-200	
Methyl-tert-butyl ether	mg/kg	.02	0.016	82	71-130	
Methylcyclohexane	mg/kg	.02	0.026	131	61-159	
Methylene Chloride	mg/kg	.02	0.016	80	45-136	
Naphthalene	mg/kg	.02	0.018	89	70-123	
p-Isopropyltoluene	mg/kg	.02	0.019	95	60-134	
Styrene	mg/kg	.02	0.018	90	64-122	
tert-Amylmethyl ether	mg/kg	.02	0.018	89	70-126	
tert-Butyl Alcohol	mg/kg	.1	0.077	77	10-200	
Tetrachloroethene	mg/kg	.02	0.019	94	61-138	
Toluene	mg/kg	.02	0.018	92	63-132	
trans-1,2-Dichloroethene	mg/kg	.02	0.014	72	60-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.016	78	58-116	
Trichloroethene	mg/kg	.02	0.018	88	65-131	
Trichlorofluoromethane	mg/kg	.02	0.019	95	49-148	
Vinyl acetate	mg/kg		0.0034J			
Xylene (Total)	mg/kg	.06	0.057	94	65-134	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	



### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522877												522878	
Parameter	Units	3083152004 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
1,1,1,2-Tetrachloroethane	mg/kg	0.0055 U	.026	.02	0.019	0.016	75	78	66-111	17	30		
1,1,1-Trichloroethane	mg/kg	0.0055 U	.026	.02	0.022	0.019	89	92	55-141	18	30		
1,1,2,2-Tetrachloroethane	mg/kg	0.0055 U	.026	.02	0.026	0.020	104	99	58-124	27	30		
1,1,2-Trichloroethane	mg/kg	0.0055 U	.026	.02	0.028	0.019	113	95	70-118	39	30		
1,1,2-Trichlorotrifluoroethane	mg/kg	0.055 U	.026	.02	0.027J	0.022J	107	111	38-196		30		
1,1-Dichloroethane	mg/kg	0.0055 U	.026	.02	0.022	0.018	89	90	64-127	21	30		
1,1-Dichloroethene	mg/kg	0.0055 U	.026	.02	0.021	0.017	85	84	50-133	22	30		
1,2,3-Trichlorobenzene	mg/kg	0.0055 U	.026	.02	0.013	0.011	51	56	71-119	12	30 M0		
1,2,4-Trichlorobenzene	mg/kg	0.0055 U	.026	.02	0.013	0.011	51	56	70-119	12	30 M0		
1,2,4-Trimethylbenzene	mg/kg	0.0092	.026	.02	0.021	0.018	48	44	67-130	16	30 M0		
1,2-Dibromo-3-chloropropane	mg/kg	0.0055 U	.026	.02	0.015	0.014	61	69	54-120	10	30		
1,2-Dibromoethane (EDB)	mg/kg	0.0055 U	.026	.02	0.017	0.015	70	75	67-117	15	30		
1,2-Dichlorobenzene	mg/kg	0.0055 U	.026	.02	0.017	0.015	67	73	67-122	13	30		
1,2-Dichloroethane	mg/kg	0.0055 U	.026	.02	0.019	0.016	77	79	54-132	18	30		
1,2-Dichloropropane	mg/kg	0.0055 U	.026	.02	0.025	0.019	101	95	68-112	27	30		
1,3,5-Trimethylbenzene	mg/kg	0.0027J	.026	.02	0.022	0.019	77	81	65-132	14	30		
1,3-Dichlorobenzene	mg/kg	0.0055 U	.026	.02	0.017	0.015	68	75	65-127	11	30		
1,4-Dichlorobenzene	mg/kg	0.0055 U	.026	.02	0.016	0.014	65	71	66-127	12	30 M0		
2-Butanone (MEK)	mg/kg	0.011 U	.026	.02	0.025	0.019	101	96	54-135	27	30		
2-Hexanone	mg/kg	0.011 U	.026	.02	0.017	0.014	68	70	58-148	18	30		
4-Methyl-2-pentanone (MIBK)	mg/kg	0.011 U	.026	.02	0.039	0.022	156	111	55-142	54	30 M0		
Acetone	mg/kg	0.011 U	.026	.02	0.023	0.018	91	89	39-200	23	30		
Benzene	mg/kg	0.0015J	.026	.02	0.027	0.022	104	99	65-130	24	30		
Bromochloromethane	mg/kg	0.0055 U	.026	.02	0.019	0.015	77	76	53-140	23	30		
Bromodichloromethane	mg/kg	0.0055 U	.026	.02	0.018	0.015	73	74	57-125	21	30		
Bromoform	mg/kg	0.0055 U	.026	.02	0.016	0.014	65	71	53-121	13	30		
Bromomethane	mg/kg	0.0055 U	.026	.02	0.018	0.019	74	95	30-167	4	30		
Carbon disulfide	mg/kg	0.0055 U	.026	.02	0.019	0.017	77	86	49-150	11	30		
Carbon tetrachloride	mg/kg	0.0055 U	.026	.02	0.021	0.019	86	94	47-146	12	30		
Chlorobenzene	mg/kg	0.0055 U	.026	.02	0.020	0.017	79	86	67-124	13	30		
Chloroethane	mg/kg	0.0055 U	.026	.02	0.019	0.017	77	86	34-170	11	30		

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522877 522878												
Parameter	Units	3083152004		MS	MSD	MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec			
Chloroform	mg/kg	0.0055 U	.026	.02	.02	0.022	0.018	89	92	63-128	19	30
Chloromethane	mg/kg	0.0055 U	.026	.02	.02	0.024	0.020	97	99	39-159	20	30
cis-1,2-Dichloroethene	mg/kg	0.0055 U	.026	.02	.02	0.020	0.017	79	85	64-126	14	30
cis-1,3-Dichloropropene	mg/kg	0.0055 U	.026	.02	.02	0.019	0.016	77	79	66-124	19	30
Cyclohexane	mg/kg	0.011 U	.026	.02	.02	0.026	0.022	103	110	37-186	15	
Dibromochloromethane	mg/kg	0.0055 U	.026	.02	.02	0.018	0.015	71	76	56-122	15	30
Dichlorodifluoromethane	mg/kg	0.0055 U	.026	.02	.02	0.028	0.025	114	122	10-189	15	30
Diisopropyl ether	mg/kg	0.0055 U	.026	.02	.02	0.023	0.019	93	95	53-147	20	30
Ethyl-tert-butyl ether	mg/kg	0.0055 U	.026	.02	.02	0.020	0.016	80	80	75-131	22	30
Ethylbenzene	mg/kg	0.0055 U	.026	.02	.02	0.022	0.020	83	89	65-131	13	30
Hexachloro-1,3-butadiene	mg/kg	0.0055 U	.026	.02	.02	0.015	0.013	61	67	74-116	13	30 M0
Isobutanol	mg/kg	0.055 U	.13	.1	.1	0.14	0.093	111	93	18-163	39	30 N2
Isopropylbenzene (Cumene)	mg/kg	0.0055 U	.026	.02	.02	0.027	0.023	109	116	64-137	16	30
Methyl acetate	mg/kg	0.055 U	.026	.02	.02	0.030J	0.023J	120	112	10-200		30
Methyl-tert-butyl ether	mg/kg	0.0055 U	.026	.02	.02	0.018	0.015	73	72	71-130	23	30
Methylcyclohexane	mg/kg	0.0045J	.026	.02	.02	0.031	0.023	107	94	61-159	28	30
Methylene Chloride	mg/kg	0.0055 U	.026	.02	.02	0.025	0.019	99	94	45-136	27	30
Naphthalene	mg/kg	0.014	.026	.02	.02	0.015	0.012	.6	-12	70-123	19	30 M0
p-Isopropyltoluene	mg/kg	0.0055 U	.026	.02	.02	0.020	0.018	82	88	60-134	14	30
Styrene	mg/kg	0.0055 U	.026	.02	.02	0.019	0.016	75	82	64-122	13	30
tert-Amylmethyl ether	mg/kg	0.0055 U	.026	.02	.02	0.021	0.016	82	81	70-126	23	30
tert-Butyl Alcohol	mg/kg	0.055 U	.13	.1	.1	0.10	0.084	83	84	10-200	20	30
Tetrachloroethene	mg/kg	0.0055 U	.026	.02	.02	0.021	0.018	86	92	61-138	15	30
Toluene	mg/kg	0.0055 U	.026	.02	.02	0.023	0.020	91	98	63-132	14	30
trans-1,2-Dichloroethene	mg/kg	0.0055 U	.026	.02	.02	0.020	0.017	79	84	60-130	16	30
trans-1,3-Dichloropropene	mg/kg	0.0055 U	.026	.02	.02	0.014	0.013	57	64	58-116	12	30 M0
Trichloroethene	mg/kg	0.0055 U	.026	.02	.02	0.022	0.019	86	92	65-131	15	30
Trichlorofluoromethane	mg/kg	0.0055 U	.026	.02	.02	0.019	0.017	78	87	49-148	11	30
Vinyl acetate	mg/kg	0.055 U				0.0035J	0.0029J					30
Xylene (Total)	mg/kg	0.0051J	.075	.06	.06	0.064	0.056	78	84	65-134	13	30
1,2-Dichloroethane-d4 (S)	%							92	91	70-130		
4-Bromofluorobenzene (S)	%							106	106	70-130		

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**QUALITY CONTROL DATA**

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		522877		522878									
Parameter	Units	3083152004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Toluene-d8 (S)	%						107	105	70-130				

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch: MSV/14815

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035 Low

Associated Lab Samples: 3083152001, 3083152003

METHOD BLANK: 523032

Matrix: Solid

Associated Lab Samples: 3083152001, 3083152003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,1,1-Trichloroethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,1,2,2-Tetrachloroethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,1,2-Trichloroethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,1,2-Trichlorotrifluoroethane	mg/kg	0.050 U	0.050	12/12/12 10:25	
1,1-Dichloroethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,1-Dichloroethene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2,3-Trichlorobenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2,4-Trichlorobenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2,4-Trimethylbenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2-Dibromo-3-chloropropane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2-Dibromoethane (EDB)	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2-Dichlorobenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2-Dichloroethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,2-Dichloropropane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,3,5-Trimethylbenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,3-Dichlorobenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
1,4-Dichlorobenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
2-Butanone (MEK)	mg/kg	0.010 U	0.010	12/12/12 10:25	
2-Hexanone	mg/kg	0.010 U	0.010	12/12/12 10:25	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.010 U	0.010	12/12/12 10:25	
Acetone	mg/kg	0.0092J	0.010	12/12/12 10:25	
Benzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Bromochloromethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Bromodichloromethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Bromoform	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Bromomethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Carbon disulfide	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Carbon tetrachloride	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Chlorobenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Chloroethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Chloroform	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Chloromethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
cis-1,2-Dichloroethene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
cis-1,3-Dichloropropene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Cyclohexane	mg/kg	0.010 U	0.010	12/12/12 10:25	
Dibromochloromethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Dichlorodifluoromethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Diisopropyl ether	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Ethyl-tert-butyl ether	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Ethylbenzene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Hexachloro-1,3-butadiene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Isobutanol	mg/kg	0.050 U	0.050	12/12/12 10:25	N2

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

METHOD BLANK: 523032

Matrix: Solid

Associated Lab Samples: 3083152001, 3083152003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Methyl acetate	mg/kg	0.050 U	0.050	12/12/12 10:25	
Methyl-tert-butyl ether	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Methylcyclohexane	mg/kg	0.010 U	0.010	12/12/12 10:25	
Methylene Chloride	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Naphthalene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
p-Isopropyltoluene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Styrene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
tert-Amylmethyl ether	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
tert-Butyl Alcohol	mg/kg	0.050 U	0.050	12/12/12 10:25	
Tetrachloroethene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Toluene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
trans-1,2-Dichloroethene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
trans-1,3-Dichloropropene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Trichloroethene	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Trichlorofluoromethane	mg/kg	0.0050 U	0.0050	12/12/12 10:25	
Vinyl acetate	mg/kg	0.050 U	0.050	12/12/12 10:25	
Xylene (Total)	mg/kg	0.015 U	0.015	12/12/12 10:25	
1,2-Dichloroethane-d4 (S)	%	117	70-130	12/12/12 10:25	
4-Bromofluorobenzene (S)	%	91	70-130	12/12/12 10:25	
Toluene-d8 (S)	%	94	70-130	12/12/12 10:25	

LABORATORY CONTROL SAMPLE: 523033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.023	115	66-111	L0
1,1,1-Trichloroethane	mg/kg	.02	0.025	123	55-141	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.019	95	58-124	
1,1,2-Trichloroethane	mg/kg	.02	0.020	102	70-118	
1,1,2-Trichlorotrifluoroethane	mg/kg	.02	0.025J	124	38-196	
1,1-Dichloroethane	mg/kg	.02	0.022	108	64-127	
1,1-Dichloroethene	mg/kg	.02	0.024	119	50-133	
1,2,3-Trichlorobenzene	mg/kg	.02	0.022	108	71-119	
1,2,4-Trichlorobenzene	mg/kg	.02	0.022	112	70-119	
1,2,4-Trimethylbenzene	mg/kg	.02	0.022	108	67-130	
1,2-Dibromo-3-chloropropane	mg/kg	.02	0.022	111	54-120	
1,2-Dibromoethane (EDB)	mg/kg	.02	0.020	102	67-117	
1,2-Dichlorobenzene	mg/kg	.02	0.021	103	67-122	
1,2-Dichloroethane	mg/kg	.02	0.021	106	54-132	
1,2-Dichloropropane	mg/kg	.02	0.019	97	68-112	
1,3,5-Trimethylbenzene	mg/kg	.02	0.021	104	65-132	
1,3-Dichlorobenzene	mg/kg	.02	0.021	106	65-127	
1,4-Dichlorobenzene	mg/kg	.02	0.022	109	66-127	
2-Butanone (MEK)	mg/kg	.02	0.017	86	54-135	
2-Hexanone	mg/kg	.02	0.017	87	58-148	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

LABORATORY CONTROL SAMPLE: 523033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	mg/kg	.02	0.018	90	55-142	
Acetone	mg/kg	.02	0.023	113	39-200	
Benzene	mg/kg	.02	0.021	103	65-130	
Bromochloromethane	mg/kg	.02	0.020	100	53-140	
Bromodichloromethane	mg/kg	.02	0.020	101	57-125	
Bromoform	mg/kg	.02	0.023	115	53-121	
Bromomethane	mg/kg	.02	0.018	90	30-167	
Carbon disulfide	mg/kg	.02	0.021	103	49-150	
Carbon tetrachloride	mg/kg	.02	0.025	127	47-146	
Chlorobenzene	mg/kg	.02	0.021	104	67-124	
Chloroethane	mg/kg	.02	0.018	88	34-170	
Chloroform	mg/kg	.02	0.021	107	63-128	
Chloromethane	mg/kg	.02	0.014	70	39-159	
cis-1,2-Dichloroethene	mg/kg	.02	0.020	102	64-126	
cis-1,3-Dichloropropene	mg/kg	.02	0.020	100	66-124	
Cyclohexane	mg/kg	.02	0.022	111	37-186	
Dibromochloromethane	mg/kg	.02	0.022	108	56-122	
Dichlorodifluoromethane	mg/kg	.02	0.014	71	10-189	
Diisopropyl ether	mg/kg	.02	0.017	87	53-147	
Ethyl-tert-butyl ether	mg/kg	.02	0.018	91	75-131	
Ethylbenzene	mg/kg	.02	0.021	105	65-131	
Hexachloro-1,3-butadiene	mg/kg	.02	0.028	139	74-116	L0
Isobutanol	mg/kg	.1	0.088	88	18-163	N2
Isopropylbenzene (Cumene)	mg/kg	.02	0.022	110	64-137	
Methyl acetate	mg/kg	.02	0.022J	108	10-200	
Methyl-tert-butyl ether	mg/kg	.02	0.020	98	71-130	
Methylcyclohexane	mg/kg	.02	0.022	111	61-159	
Methylene Chloride	mg/kg	.02	0.021	106	45-136	
Naphthalene	mg/kg	.02	0.020	102	70-123	
p-Isopropyltoluene	mg/kg	.02	0.023	113	60-134	
Styrene	mg/kg	.02	0.021	107	64-122	
tert-Amylmethyl ether	mg/kg	.02	0.017	83	70-126	
tert-Butyl Alcohol	mg/kg	.1	0.091	91	10-200	
Tetrachloroethene	mg/kg	.02	0.022	108	61-138	
Toluene	mg/kg	.02	0.020	100	63-132	
trans-1,2-Dichloroethene	mg/kg	.02	0.023	113	60-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	99	58-116	
Trichloroethene	mg/kg	.02	0.020	102	65-131	
Trichlorofluoromethane	mg/kg	.02	0.022	111	49-148	
Vinyl acetate	mg/kg		0.050 U			
Xylene (Total)	mg/kg	.06	0.064	107	65-134	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			97	70-130	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch: MSV/14789

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 3083152014

METHOD BLANK: 522098

Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	1.0 U	1.0	12/10/12 14:52	
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	1.0	12/10/12 14:52	
1,1,2-Trichloroethane	ug/L	1.0 U	1.0	12/10/12 14:52	
1,1,2-Trichlorotrifluoroethane	ug/L	50.0 U	50.0	12/10/12 14:52	
1,1-Dichloroethane	ug/L	1.0 U	1.0	12/10/12 14:52	
1,1-Dichloroethene	ug/L	1.0 U	1.0	12/10/12 14:52	
1,2,3-Trichlorobenzene	ug/L	1.1J	2.0	12/10/12 14:52	
1,2,4-Trichlorobenzene	ug/L	0.76J	1.0	12/10/12 14:52	
1,2-Dibromo-3-chloropropane	ug/L	5.0 U	5.0	12/10/12 14:52	
1,2-Dibromoethane (EDB)	ug/L	1.0 U	1.0	12/10/12 14:52	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	12/10/12 14:52	
1,2-Dichloroethane	ug/L	1.0 U	1.0	12/10/12 14:52	
1,2-Dichloropropane	ug/L	1.0 U	1.0	12/10/12 14:52	
1,3-Dichlorobenzene	ug/L	1.0 U	1.0	12/10/12 14:52	
1,4-Dichlorobenzene	ug/L	0.19J	1.0	12/10/12 14:52	
2-Butanone (MEK)	ug/L	10.0 U	10.0	12/10/12 14:52	
2-Hexanone	ug/L	10.0 U	10.0	12/10/12 14:52	
4-Methyl-2-pentanone (MIBK)	ug/L	10.0 U	10.0	12/10/12 14:52	
Acetone	ug/L	10.0 U	10.0	12/10/12 14:52	
Benzene	ug/L	1.0 U	1.0	12/10/12 14:52	
Bromochloromethane	ug/L	1.0 U	1.0	12/10/12 14:52	
Bromodichloromethane	ug/L	1.0 U	1.0	12/10/12 14:52	
Bromoform	ug/L	1.0 U	1.0	12/10/12 14:52	
Bromomethane	ug/L	1.0 U	1.0	12/10/12 14:52	
Carbon disulfide	ug/L	1.0 U	1.0	12/10/12 14:52	
Carbon tetrachloride	ug/L	1.0 U	1.0	12/10/12 14:52	
Chlorobenzene	ug/L	1.0 U	1.0	12/10/12 14:52	
Chloroethane	ug/L	1.0 U	1.0	12/10/12 14:52	
Chloroform	ug/L	1.0 U	1.0	12/10/12 14:52	
Chloromethane	ug/L	1.0 U	1.0	12/10/12 14:52	
cis-1,2-Dichloroethene	ug/L	1.0 U	1.0	12/10/12 14:52	
cis-1,3-Dichloropropene	ug/L	1.0 U	1.0	12/10/12 14:52	
Cyclohexane	ug/L	10.0 U	10.0	12/10/12 14:52	
Dibromochloromethane	ug/L	1.0 U	1.0	12/10/12 14:52	
Dichlorodifluoromethane	ug/L	1.0 U	1.0	12/10/12 14:52	
Diisopropyl ether	ug/L	1.0 U	1.0	12/10/12 14:52	
Ethanol	ug/L	200 U	200	12/10/12 14:52	
Ethyl-tert-butyl ether	ug/L	1.0 U	1.0	12/10/12 14:52	
Ethylbenzene	ug/L	1.0 U	1.0	12/10/12 14:52	
Isobutanol	ug/L	50.0 U	50.0	12/10/12 14:52	N2
Isopropylbenzene (Cumene)	ug/L	1.0 U	1.0	12/10/12 14:52	
m&p-Xylene	ug/L	2.0 U	2.0	12/10/12 14:52	
Methyl acetate	ug/L	5.0 U	5.0	12/10/12 14:52	

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

METHOD BLANK: 522098

Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/L	1.0 U	1.0	12/10/12 14:52	
Methylcyclohexane	ug/L	10.0 U	10.0	12/10/12 14:52	
Methylene Chloride	ug/L	1.0 U	1.0	12/10/12 14:52	
Naphthalene	ug/L	1.2J	2.0	12/10/12 14:52	
o-Xylene	ug/L	1.0 U	1.0	12/10/12 14:52	
Styrene	ug/L	1.0 U	1.0	12/10/12 14:52	
tert-Amylmethyl ether	ug/L	1.0 U	1.0	12/10/12 14:52	
tert-Butyl Alcohol	ug/L	5.0 U	5.0	12/10/12 14:52	
Tetrachloroethene	ug/L	1.0 U	1.0	12/10/12 14:52	
Toluene	ug/L	1.0 U	1.0	12/10/12 14:52	
trans-1,2-Dichloroethene	ug/L	1.0 U	1.0	12/10/12 14:52	
trans-1,3-Dichloropropene	ug/L	1.0 U	1.0	12/10/12 14:52	
Trichloroethene	ug/L	1.0 U	1.0	12/10/12 14:52	
Trichlorofluoromethane	ug/L	1.0 U	1.0	12/10/12 14:52	
Vinyl chloride	ug/L	1.0 U	1.0	12/10/12 14:52	
Xylene (Total)	ug/L	3.0 U	3.0	12/10/12 14:52	
1,2-Dichloroethane-d4 (S)	%	102	77-119	12/10/12 14:52	
4-Bromofluorobenzene (S)	%	97	85-115	12/10/12 14:52	
Toluene-d8 (S)	%	97	85-115	12/10/12 14:52	

LABORATORY CONTROL SAMPLE: 522099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.1	105	62-125	
1,1,2,2-Tetrachloroethane	ug/L	20	21.7	108	61-117	
1,1,2-Trichloroethane	ug/L	20	21.8	109	72-119	
1,1,2-Trichlorotrifluoroethane	ug/L	20	24.6J	123	44-175	
1,1-Dichloroethane	ug/L	20	22.5	113	63-123	
1,1-Dichloroethene	ug/L	20	22.6	113	57-127	
1,2,3-Trichlorobenzene	ug/L	20	21.4	107	67-131	
1,2,4-Trichlorobenzene	ug/L	20	20.5	103	52-138	
1,2-Dibromo-3-chloropropane	ug/L	20	20.9	104	50-133	
1,2-Dibromoethane (EDB)	ug/L	20	21.0	105	70-118	
1,2-Dichlorobenzene	ug/L	20	21.7	108	70-116	
1,2-Dichloroethane	ug/L	20	21.4	107	62-125	
1,2-Dichloropropane	ug/L	20	20.7	104	69-115	
1,3-Dichlorobenzene	ug/L	20	22.0	110	71-118	
1,4-Dichlorobenzene	ug/L	20	21.6	108	67-119	
2-Butanone (MEK)	ug/L	20	20.5	102	48-136	
2-Hexanone	ug/L	20	21.5	107	52-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.9	110	57-124	
Acetone	ug/L	20	20.6	103	49-138	
Benzene	ug/L	20	20.8	104	66-122	
Bromochloromethane	ug/L	20	19.7	98	61-126	
Bromodichloromethane	ug/L	20	20.1	100	63-118	

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

LABORATORY CONTROL SAMPLE: 522099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	20	19.9	99	46-130	
Bromomethane	ug/L	20	23.9	120	10-175	
Carbon disulfide	ug/L	20	22.3	112	59-142	
Carbon tetrachloride	ug/L	20	18.5	93	55-126	
Chlorobenzene	ug/L	20	21.1	106	70-121	
Chloroethane	ug/L	20	24.2	121	24-161	
Chloroform	ug/L	20	21.3	106	62-126	
Chloromethane	ug/L	20	21.8	109	37-147	
cis-1,2-Dichloroethene	ug/L	20	21.4	107	64-121	
cis-1,3-Dichloropropene	ug/L	20	21.6	108	64-118	
Cyclohexane	ug/L	20	22.5	113	62-151	
Dibromochloromethane	ug/L	20	20.1	100	60-120	
Dichlorodifluoromethane	ug/L	20	25.1	125	34-165	
Diisopropyl ether	ug/L	20	21.9	109	72-129	
Ethanol	ug/L	200	183J	91	10-175	
Ethyl-tert-butyl ether	ug/L	20	22.2	111	72-124	
Ethylbenzene	ug/L	20	21.8	109	69-119	
Isobutanol	ug/L	100	131	131	70-130	L1,N2
Isopropylbenzene (Cumene)	ug/L	20	23.7	118	68-126	
m&p-Xylene	ug/L	40	44.1	110	70-124	
Methyl acetate	ug/L	20	27.6	138	10-175	
Methyl-tert-butyl ether	ug/L	20	22.0	110	58-131	
Methylcyclohexane	ug/L	20	24.5	123	67-136	
Methylene Chloride	ug/L	20	21.1	106	59-128	
Naphthalene	ug/L	20	22.4	112	51-123	
o-Xylene	ug/L	20	21.4	107	67-123	
Styrene	ug/L	20	23.0	115	67-146	
tert-Amylmethyl ether	ug/L	20	19.6	98	69-115	
tert-Butyl Alcohol	ug/L	100	110	110	14-175	
Tetrachloroethene	ug/L	20	20.4	102	62-125	
Toluene	ug/L	20	21.1	105	72-115	
trans-1,2-Dichloroethene	ug/L	20	22.0	110	59-122	
trans-1,3-Dichloropropene	ug/L	20	20.1	100	64-120	
Trichloroethene	ug/L	20	20.2	101	62-125	
Trichlorofluoromethane	ug/L	20	23.4	117	54-158	
Vinyl chloride	ug/L	20	22.0	110	52-145	
Xylene (Total)	ug/L	60	65.5	109	70-123	
1,2-Dichloroethane-d4 (S)	%			101	77-119	
4-Bromofluorobenzene (S)	%			98	85-115	
Toluene-d8 (S)	%			100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 522100 522101

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		3082698002 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/L	5.9	20	20	25.8	24.9	99	95	62-125	3	30
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.3	19.0	101	95	61-117	7	30

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Parameter	3082698002		MS	MSD	522100		522101		% Rec	% Rec	Limits	RPD	Max RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec						
1,1,2-Trichloroethane	ug/L	ND	20	20	18.2	17.8	91	89	72-119	2	30			
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	23.6J	24.3J	118	121	44-175		30			
1,1-Dichloroethane	ug/L	ND	20	20	20.9	20.6	104	102	63-123	2	30			
1,1-Dichloroethene	ug/L	ND	20	20	19.3	21.7	97	108	57-127	11	30			
1,2,3-Trichlorobenzene	ug/L	ND	20	20	18.2	16.9	91	84	67-131	7	30			
1,2,4-Trichlorobenzene	ug/L	ND	20	20	17.3	16.3	87	82	52-138	6	30			
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.1	16.7	96	83	50-133	14	30			
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	18.0	17.3	90	86	70-118	4	30			
1,2-Dichlorobenzene	ug/L	ND	20	20	18.6	17.5	93	88	70-116	6	30			
1,2-Dichloroethane	ug/L	ND	20	20	18.0	17.5	90	88	62-125	3	30			
1,2-Dichloropropane	ug/L	ND	20	20	18.2	18.5	91	93	69-115	2	30			
1,3-Dichlorobenzene	ug/L	ND	20	20	19.1	17.8	96	89	71-118	7	30			
1,4-Dichlorobenzene	ug/L	ND	20	20	18.4	17.7	92	88	67-119	4	30			
2-Butanone (MEK)	ug/L	ND	20	20	18.5	19.4	83	88	48-136	5	30			
2-Hexanone	ug/L	ND	20	20	18.7	19.9	93	100	52-130	7	30			
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	18.4	20.1	92	100	57-124	9	30			
Acetone	ug/L	ND	20	20	20.6	21.5	54	59	49-138	4	30			
Benzene	ug/L	ND	20	20	18.7	18.7	93	94	66-122	.1	30			
Bromochloromethane	ug/L	ND	20	20	14.8	13.7	74	68	61-126	8	30			
Bromodichloromethane	ug/L	ND	20	20	17.7	17.5	89	88	63-118	1	30			
Bromoform	ug/L	ND	20	20	18.8	17.0	94	85	46-130	10	30			
Bromomethane	ug/L	ND	20	20	0.53J	1.0 U	3	2	10-175		30	M0		
Carbon disulfide	ug/L	ND	20	20	23.4	24.1	117	120	59-142	3	30			
Carbon tetrachloride	ug/L	ND	20	20	19.9	17.7	100	88	55-126	12	30			
Chlorobenzene	ug/L	ND	20	20	19.1	18.2	96	91	70-121	5	30			
Chloroethane	ug/L	ND	20	20	22.6	25.8	113	129	24-161	13	30			
Chloroform	ug/L	ND	20	20	19.4	18.6	97	93	62-126	4	30			
Chloromethane	ug/L	ND	20	20	36.6	39.8	183	199	37-147	8	30	M0		
cis-1,2-Dichloroethene	ug/L	ND	20	20	19.0	19.0	95	95	64-121	.1	30			
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.7	18.4	93	92	64-118	1	30			
Cyclohexane	ug/L	ND	20	20	21.8	21.7	109	108	62-151	.4				
Dibromochloromethane	ug/L	ND	20	20	18.6	17.3	93	86	60-120	7	30			
Dichlorodifluoromethane	ug/L	ND	20	20	22.9	24.4	114	122	34-165	6	30			
Diisopropyl ether	ug/L	ND	20	20	19.0	19.2	95	96	72-129	.8	30			
Ethanol	ug/L	ND	200	200	502	333	251	166	10-175	41		M0, R1		
Ethyl-tert-butyl ether	ug/L	ND	20	20	18.3	18.4	91	92	72-124	.9	30			
Ethylbenzene	ug/L	ND	20	20	19.9	18.9	100	95	69-119	5	30			
Isobutanol	ug/L	ND	100	100	97.8	95.8	98	96	70-130	2	30	N2		
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.2	20.1	106	100	68-126	5	30			
m&p-Xylene	ug/L	ND	40	40	39.0	37.5	97	94	70-124	4	30			
Methyl acetate	ug/L	ND	20	20	19.3	18.7	97	93	10-175	3	30			
Methyl-tert-butyl ether	ug/L	ND	20	20	19.4	18.5	97	92	58-131	5	30			
Methylcyclohexane	ug/L	ND	20	20	22.1	22.1	111	111	67-136	.06	30			
Methylene Chloride	ug/L	ND	20	20	22.2	21.8	111	109	59-128	2	30			
Naphthalene	ug/L	ND	20	20	19.1	17.3	95	87	51-123	10	30			
o-Xylene	ug/L	ND	20	20	19.0	18.2	95	91	67-123	4	30			
Styrene	ug/L	ND	20	20	19.2	18.6	96	93	67-146	4	30			

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Parameter	Units	3082698002		522100		522101		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec								
tert-Amylmethyl ether	ug/L	ND	20	20	15.1	15.9	75	79	69-115	5	30				
tert-Butyl Alcohol	ug/L	ND	100	100	96.8	97.2	97	97	14-175	.3	30				
Tetrachloroethene	ug/L	ND	20	20	20.1	18.5	99	90	62-125	8	30				
Toluene	ug/L	ND	20	20	19.1	18.8	96	94	72-115	2	30				
trans-1,2-Dichloroethene	ug/L	ND	20	20	19.9	20.2	99	101	59-122	2	30				
trans-1,3-Dichloropropene	ug/L	ND	20	20	16.7	16.2	83	81	64-120	3	30				
Trichloroethene	ug/L	ND	20	20	18.7	17.8	93	89	62-125	5	30				
Trichlorofluoromethane	ug/L	ND	20	20	20.7	22.5	104	112	54-158	8	30				
Vinyl chloride	ug/L	ND	20	20	21.8	22.8	109	114	52-145	4	30				
Xylene (Total)	ug/L	ND	60	60	58.0	55.7	97	93	70-123	4	30				
1,2-Dichloroethane-d4 (S)	%						96	99	77-119						
4-Bromofluorobenzene (S)	%						98	94	85-115						
Toluene-d8 (S)	%						97	98	85-115						

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch: OEXT/13637 Analysis Method: EPA 8015B Modified  
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV  
 Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152004, 3083152005, 3083152006, 3083152007, 3083152009, 3083152010, 3083152011, 3083152012, 3083152013, 3083152015

METHOD BLANK: 520070 Matrix: Solid  
 Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152004, 3083152005, 3083152006, 3083152007, 3083152009, 3083152010, 3083152011, 3083152012, 3083152013, 3083152015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	6.7 U	6.7	12/11/12 00:19	
o-Terphenyl (S)	%	65	50-150	12/11/12 00:19	

LABORATORY CONTROL SAMPLE: 520071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	62.0	93	50-150	
o-Terphenyl (S)	%			91	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 520072 520073

Parameter	Units	3083051001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diesel Components	mg/kg	ND	83.6	84.2	52.4	62.6	55	67	50-150	18	25	
o-Terphenyl (S)	%						49	62	50-150		20	2c,R1

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

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QC Batch:	OEXT/13692	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples:	3083152014		

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METHOD BLANK: 521913 Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	0.044J	0.10	12/12/12 02:39	
o-Terphenyl (S)	%	74	50-150	12/12/12 02:39	

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LABORATORY CONTROL SAMPLE: 521914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	1	0.80	80	50-150	
o-Terphenyl (S)	%			90	50-150	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch:	OEXT/13684	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3546	Analysis Description:	8082 GCS PCB
Associated Lab Samples:	3083152008		

METHOD BLANK: 521435 Matrix: Solid

Associated Lab Samples: 3083152008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	16.7 U	16.7	12/11/12 11:03	
PCB-1221 (Aroclor 1221)	ug/kg	16.7 U	16.7	12/11/12 11:03	
PCB-1232 (Aroclor 1232)	ug/kg	16.7 U	16.7	12/11/12 11:03	
PCB-1242 (Aroclor 1242)	ug/kg	16.7 U	16.7	12/11/12 11:03	
PCB-1248 (Aroclor 1248)	ug/kg	16.7 U	16.7	12/11/12 11:03	
PCB-1254 (Aroclor 1254)	ug/kg	16.7 U	16.7	12/11/12 11:03	
PCB-1260 (Aroclor 1260)	ug/kg	16.7 U	16.7	12/11/12 11:03	
Decachlorobiphenyl (S)	%	74	30-150	12/11/12 11:03	
Tetrachloro-m-xylene (S)	%	69	30-150	12/11/12 11:03	

LABORATORY CONTROL SAMPLE: 521436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1221 (Aroclor 1221)	ug/kg	167	103	62	55-145	
PCB-1254 (Aroclor 1254)	ug/kg	167	105	63	55-145	
Decachlorobiphenyl (S)	%			70	30-150	
Tetrachloro-m-xylene (S)	%			66	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 521437 521438

Parameter	Units	3082876001		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec	RPD		RPD		
PCB-1221 (Aroclor 1221)	ug/kg	ND	174	176	91.4	81.2	53	46	55-145	12	25	M3	
PCB-1254 (Aroclor 1254)	ug/kg	ND	174	176	49.6	59.2	29	34	55-145	18	25	M3	
Decachlorobiphenyl (S)	%						32	39	30-150				
Tetrachloro-m-xylene (S)	%						35	42	30-150				

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch: OEXT/13682

Analysis Method: EPA 8082

QC Batch Method: EPA 3510

Analysis Description: 8082 GCS PCB

Associated Lab Samples: 3083152014

METHOD BLANK: 521368

Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	0.25 U	0.25	12/08/12 20:12	
PCB-1221 (Aroclor 1221)	ug/L	0.25 U	0.25	12/08/12 20:12	
PCB-1232 (Aroclor 1232)	ug/L	0.25 U	0.25	12/08/12 20:12	
PCB-1242 (Aroclor 1242)	ug/L	0.25 U	0.25	12/08/12 20:12	
PCB-1248 (Aroclor 1248)	ug/L	0.25 U	0.25	12/08/12 20:12	
PCB-1254 (Aroclor 1254)	ug/L	0.25 U	0.25	12/08/12 20:12	
PCB-1260 (Aroclor 1260)	ug/L	0.25 U	0.25	12/08/12 20:12	
Decachlorobiphenyl (S)	%	57	30-150	12/08/12 20:12	
Tetrachloro-m-xylene (S)	%	69	30-150	12/08/12 20:12	

LABORATORY CONTROL SAMPLE: 521369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1221 (Aroclor 1221)	ug/L	2.5	1.6	63	55-145	
PCB-1254 (Aroclor 1254)	ug/L	2.5	1.6	66	55-145	
Decachlorobiphenyl (S)	%			41	30-150	
Tetrachloro-m-xylene (S)	%			69	30-150	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

QC Batch: OEXT/13652 Analysis Method: EPA 8270  
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave  
Associated Lab Samples: 3083152013

METHOD BLANK: 520574 Matrix: Solid  
Associated Lab Samples: 3083152013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	0.33 U	0.33	12/11/12 17:37	
1,2-Dichlorobenzene	mg/kg	0.33 U	0.33	12/11/12 17:37	
1,3-Dichlorobenzene	mg/kg	0.33 U	0.33	12/11/12 17:37	
1,4-Dichlorobenzene	mg/kg	0.33 U	0.33	12/11/12 17:37	
2,4,5-Trichlorophenol	mg/kg	0.83 U	0.83	12/11/12 17:37	
2,4,6-Trichlorophenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
2,4-Dichlorophenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
2,4-Dimethylphenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
2,4-Dinitrophenol	mg/kg	0.83 U	0.83	12/11/12 17:37	
2,4-Dinitrotoluene	mg/kg	0.33 U	0.33	12/11/12 17:37	
2,6-Dinitrotoluene	mg/kg	0.33 U	0.33	12/11/12 17:37	
2-Chloronaphthalene	mg/kg	0.33 U	0.33	12/11/12 17:37	
2-Chlorophenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
2-Methylnaphthalene	mg/kg	0.33 U	0.33	12/11/12 17:37	
2-Methylphenol(o-Cresol)	mg/kg	0.33 U	0.33	12/11/12 17:37	
2-Nitroaniline	mg/kg	0.83 U	0.83	12/11/12 17:37	
2-Nitrophenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
3&4-Methylphenol(m&p Cresol)	mg/kg	0.67 U	0.67	12/11/12 17:37	
3,3'-Dichlorobenzidine	mg/kg	0.33 U	0.33	12/11/12 17:37	
3-Nitroaniline	mg/kg	0.83 U	0.83	12/11/12 17:37	
4,6-Dinitro-2-methylphenol	mg/kg	0.83 U	0.83	12/11/12 17:37	
4-Bromophenylphenyl ether	mg/kg	0.33 U	0.33	12/11/12 17:37	
4-Chloro-3-methylphenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
4-Chloroaniline	mg/kg	0.33 U	0.33	12/11/12 17:37	
4-Chlorophenylphenyl ether	mg/kg	0.33 U	0.33	12/11/12 17:37	
4-Nitroaniline	mg/kg	0.83 U	0.83	12/11/12 17:37	
4-Nitrophenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
Acenaphthene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Acenaphthylene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Anthracene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Benzo(a)anthracene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Benzo(a)pyrene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Benzo(b)fluoranthene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Benzo(g,h,i)perylene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Benzo(k)fluoranthene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Benzyl alcohol	mg/kg	0.33 U	0.33	12/11/12 17:37	
bis(2-Chloroethoxy)methane	mg/kg	0.33 U	0.33	12/11/12 17:37	
bis(2-Chloroethyl) ether	mg/kg	0.33 U	0.33	12/11/12 17:37	
bis(2-Chloroisopropyl) ether	mg/kg	0.33 U	0.33	12/11/12 17:37	
bis(2-Ethylhexyl)phthalate	mg/kg	0.33 U	0.33	12/11/12 17:37	
Butylbenzylphthalate	mg/kg	0.33 U	0.33	12/11/12 17:37	
Chrysene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Di-n-butylphthalate	mg/kg	0.33 U	0.33	12/11/12 17:37	

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

METHOD BLANK: 520574

Matrix: Solid

Associated Lab Samples: 3083152013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Di-n-octylphthalate	mg/kg	0.33 U	0.33	12/11/12 17:37	
Dibenz(a,h)anthracene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Dibenzofuran	mg/kg	0.33 U	0.33	12/11/12 17:37	
Diethylphthalate	mg/kg	0.33 U	0.33	12/11/12 17:37	
Dimethylphthalate	mg/kg	0.33 U	0.33	12/11/12 17:37	
Fluoranthene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Fluorene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Hexachloro-1,3-butadiene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Hexachlorobenzene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Hexachlorocyclopentadiene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Hexachloroethane	mg/kg	0.33 U	0.33	12/11/12 17:37	
Indeno(1,2,3-cd)pyrene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Isophorone	mg/kg	0.33 U	0.33	12/11/12 17:37	
N-Nitroso-di-n-propylamine	mg/kg	0.33 U	0.33	12/11/12 17:37	
N-Nitrosodiphenylamine	mg/kg	0.33 U	0.33	12/11/12 17:37	
Naphthalene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Nitrobenzene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Pentachlorophenol	mg/kg	0.83 U	0.83	12/11/12 17:37	
Phenanthrene	mg/kg	0.33 U	0.33	12/11/12 17:37	
Phenol	mg/kg	0.33 U	0.33	12/11/12 17:37	
Pyrene	mg/kg	0.33 U	0.33	12/11/12 17:37	
2,4,6-Tribromophenol (S)	%	69	10-144	12/11/12 17:37	
2-Fluorobiphenyl (S)	%	77	48-125	12/11/12 17:37	
2-Fluorophenol (S)	%	81	25-138	12/11/12 17:37	
Nitrobenzene-d5 (S)	%	75	49-118	12/11/12 17:37	
Phenol-d6 (S)	%	78	30-130	12/11/12 17:37	
Terphenyl-d14 (S)	%	141	29-159	12/11/12 17:37	

LABORATORY CONTROL SAMPLE: 520575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	3.3	2.6	77	50-115	
1,4-Dichlorobenzene	mg/kg	3.3	2.6	78	47-105	
2,4-Dinitrotoluene	mg/kg	3.3	2.5	76	45-115	
2-Chlorophenol	mg/kg	3.3	2.8	84	51-113	
2-Methylnaphthalene	mg/kg	3.3	2.6	79	46-112	
4-Chloro-3-methylphenol	mg/kg	3.3	2.6	79	47-129	
4-Nitrophenol	mg/kg	3.3	1.9	56	26-117	
Acenaphthene	mg/kg	3.3	2.8	84	52-114	
Acenaphthylene	mg/kg	3.3	2.8	83	55-120	
Anthracene	mg/kg	3.3	2.8	83	57-121	
Benzo(a)anthracene	mg/kg	3.3	3.0	89	55-126	
Benzo(a)pyrene	mg/kg	3.3	3.0	89	57-124	
Benzo(b)fluoranthene	mg/kg	3.3	3.6	107	53-128	
Benzo(g,h,i)perylene	mg/kg	3.3	1.6	49	25-159	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC  
Pace Project No.: 3083152

LABORATORY CONTROL SAMPLE: 520575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(k)fluoranthene	mg/kg	3.3	3.7	111	52-139	
Chrysene	mg/kg	3.3	2.9	87	42-150	
Dibenz(a,h)anthracene	mg/kg	3.3	1.8	54	32-155	
Fluoranthene	mg/kg	3.3	2.4	72	51-125	
Fluorene	mg/kg	3.3	2.8	83	52-117	
Indeno(1,2,3-cd)pyrene	mg/kg	3.3	1.8	54	32-150	
N-Nitroso-di-n-propylamine	mg/kg	3.3	3.0	91	52-126	
Naphthalene	mg/kg	3.3	2.7	81	51-109	
Pentachlorophenol	mg/kg	3.3	1.5	46	20-122	
Phenanthrene	mg/kg	3.3	2.8	83	54-119	
Phenol	mg/kg	3.3	2.4	72	43-112	
Pyrene	mg/kg	3.3	5.1	153	38-144	L0
2,4,6-Tribromophenol (S)	%			84	10-144	
2-Fluorobiphenyl (S)	%			82	48-125	
2-Fluorophenol (S)	%			81	25-138	
Nitrobenzene-d5 (S)	%			79	49-118	
Phenol-d6 (S)	%			77	30-130	
Terphenyl-d14 (S)	%			185	29-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 520576 520577

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual		
		3082752013 Result	Spike Conc.	Spike Conc.	MS Result						MSD Result	
1,2,4-Trichlorobenzene	mg/kg	ND	10.2	10.2	6.7	8.4	65	83	50-115	23	20	R1
1,4-Dichlorobenzene	mg/kg	ND	10.2	10.2	6.5	8.3	63	82	47-105	25	22	R1
2,4-Dinitrotoluene	mg/kg	ND	10.2	10.2	6.5	8.4	64	83	45-115	26	17	R1
2-Chlorophenol	mg/kg	ND	10.2	10.2	6.7	8.6	66	85	51-113	25	21	R1
2-Methylnaphthalene	mg/kg	ND	10.2	10.2	7.2	9.2	71	91	46-112	24	40	
4-Chloro-3-methylphenol	mg/kg	ND	10.2	10.2	7.2	9.0	71	89	47-129	22	23	
4-Nitrophenol	mg/kg	ND	10.2	10.2	5.2	6.8	51	67	26-117	26	50	
Acenaphthene	mg/kg	ND	10.2	10.2	7.4	9.3	73	92	52-114	23	14	R1
Acenaphthylene	mg/kg	ND	10.2	10.2	7.1	9.0	70	89	55-120	23	40	
Anthracene	mg/kg	ND	10.2	10.2	7.1	9.6	70	94	57-121	29	40	
Benzo(a)anthracene	mg/kg	ND	10.2	10.2	7.3	8.9	72	88	55-126	20	40	
Benzo(a)pyrene	mg/kg	ND	10.2	10.2	7.4	8.9	73	87	57-124	18	40	
Benzo(b)fluoranthene	mg/kg	ND	10.2	10.2	8.5	11.4	83	112	53-128	29	40	
Benzo(g,h,i)perylene	mg/kg	ND	10.2	10.2	6.0	7.3	59	72	25-159	19	40	
Benzo(k)fluoranthene	mg/kg	ND	10.2	10.2	9.4	10.5	93	104	52-139	11	40	
Chrysene	mg/kg	ND	10.2	10.2	7.2	8.7	71	86	42-150	19	40	
Dibenz(a,h)anthracene	mg/kg	ND	10.2	10.2	5.8	7.1	57	70	32-155	20	40	
Fluoranthene	mg/kg	ND	10.2	10.2	5.6	6.9	55	68	51-125	20	40	
Fluorene	mg/kg	ND	10.2	10.2	7.5	9.4	74	93	52-117	22	40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	10.2	10.2	5.4	7.2	53	71	32-150	29	40	
N-Nitroso-di-n-propylamine	mg/kg	ND	10.2	10.2	7.7	10	76	99	52-126	26	21	R1
Naphthalene	mg/kg	ND	10.2	10.2	7.4	9.2	72	91	51-109	22	40	
Pentachlorophenol	mg/kg	ND	10.2	10.2	6.4	8.4	63	83	20-122	26	22	R1
Phenanthrene	mg/kg	ND	10.2	10.2	7.2	8.9	71	88	54-119	20	40	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Parameter	Units	3082752013		520576		520577		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec								
Phenol	mg/kg	ND	10.2	10.2	4.7	8.2	46	81	43-112	55	20	R1			
Pyrene	mg/kg	ND	10.2	10.2	14.3	16.9	140	167	38-144	17	20	M0			
2,4,6-Tribromophenol (S)	%						70	89	10-144						
2-Fluorobiphenyl (S)	%						67	86	48-125						
2-Fluorophenol (S)	%						55	71	25-138						
Nitrobenzene-d5 (S)	%						68	87	49-118						
Phenol-d6 (S)	%						59	71	30-130						
Terphenyl-d14 (S)	%						163	201	29-159					S0	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

QC Batch: OEXT/13655

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 3083152014

METHOD BLANK: 520691

Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	1.0 U	1.0	12/10/12 17:09	
1,2-Dichlorobenzene	ug/L	1.0 U	1.0	12/10/12 17:09	
1,3-Dichlorobenzene	ug/L	1.0 U	1.0	12/10/12 17:09	
1,4-Dichlorobenzene	ug/L	1.0 U	1.0	12/10/12 17:09	
1-Methylnaphthalene	ug/L	1.0 U	1.0	12/10/12 17:09	N2
2,4,5-Trichlorophenol	ug/L	2.5 U	2.5	12/10/12 17:09	
2,4,6-Trichlorophenol	ug/L	1.0 U	1.0	12/10/12 17:09	
2,4-Dichlorophenol	ug/L	1.0 U	1.0	12/10/12 17:09	
2,4-Dimethylphenol	ug/L	1.0 U	1.0	12/10/12 17:09	
2,4-Dinitrophenol	ug/L	2.5 U	2.5	12/10/12 17:09	
2,4-Dinitrotoluene	ug/L	1.0 U	1.0	12/10/12 17:09	
2,6-Dinitrotoluene	ug/L	1.0 U	1.0	12/10/12 17:09	
2-Chloronaphthalene	ug/L	1.0 U	1.0	12/10/12 17:09	
2-Chlorophenol	ug/L	1.0 U	1.0	12/10/12 17:09	
2-Methylnaphthalene	ug/L	1.0 U	1.0	12/10/12 17:09	
2-Methylphenol(o-Cresol)	ug/L	1.0 U	1.0	12/10/12 17:09	
2-Nitroaniline	ug/L	2.5 U	2.5	12/10/12 17:09	
2-Nitrophenol	ug/L	1.0 U	1.0	12/10/12 17:09	
3&4-Methylphenol(m&p Cresol)	ug/L	2.0 U	2.0	12/10/12 17:09	
3,3'-Dichlorobenzidine	ug/L	1.0 U	1.0	12/10/12 17:09	
3-Nitroaniline	ug/L	2.5 U	2.5	12/10/12 17:09	
4,6-Dinitro-2-methylphenol	ug/L	2.5 U	2.5	12/10/12 17:09	
4-Bromophenylphenyl ether	ug/L	1.0 U	1.0	12/10/12 17:09	
4-Chloro-3-methylphenol	ug/L	1.0 U	1.0	12/10/12 17:09	
4-Chloroaniline	ug/L	1.0 U	1.0	12/10/12 17:09	
4-Chlorophenylphenyl ether	ug/L	1.0 U	1.0	12/10/12 17:09	
4-Nitroaniline	ug/L	2.5 U	2.5	12/10/12 17:09	
4-Nitrophenol	ug/L	1.0 U	1.0	12/10/12 17:09	
Acenaphthene	ug/L	1.0 U	1.0	12/10/12 17:09	
Acenaphthylene	ug/L	1.0 U	1.0	12/10/12 17:09	
Anthracene	ug/L	1.0 U	1.0	12/10/12 17:09	
Azobenzene	ug/L	1.0 U	1.0	12/10/12 17:09	N2
Benzo(a)anthracene	ug/L	1.0 U	1.0	12/10/12 17:09	
Benzo(a)pyrene	ug/L	1.0 U	1.0	12/10/12 17:09	
Benzo(b)fluoranthene	ug/L	1.0 U	1.0	12/10/12 17:09	
Benzo(g,h,i)perylene	ug/L	1.0 U	1.0	12/10/12 17:09	
Benzo(k)fluoranthene	ug/L	1.0 U	1.0	12/10/12 17:09	
Benzoic acid	ug/L	100 U	100	12/10/12 17:09	
Benzyl alcohol	ug/L	1.0 U	1.0	12/10/12 17:09	
bis(2-Chloroethoxy)methane	ug/L	1.0 U	1.0	12/10/12 17:09	
bis(2-Chloroethyl) ether	ug/L	1.0 U	1.0	12/10/12 17:09	
bis(2-Chloroisopropyl) ether	ug/L	1.0 U	1.0	12/10/12 17:09	
bis(2-Ethylhexyl)phthalate	ug/L	1.0 U	1.0	12/10/12 17:09	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

METHOD BLANK: 520691

Matrix: Water

Associated Lab Samples: 3083152014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	1.0 U	1.0	12/10/12 17:09	
Carbazole	ug/L	1.0 U	1.0	12/10/12 17:09	
Chrysene	ug/L	1.0 U	1.0	12/10/12 17:09	
Di-n-butylphthalate	ug/L	1.0 U	1.0	12/10/12 17:09	
Di-n-octylphthalate	ug/L	1.0 U	1.0	12/10/12 17:09	
Dibenz(a,h)anthracene	ug/L	1.0 U	1.0	12/10/12 17:09	
Dibenzofuran	ug/L	1.0 U	1.0	12/10/12 17:09	
Diethylphthalate	ug/L	1.0 U	1.0	12/10/12 17:09	
Dimethylphthalate	ug/L	1.0 U	1.0	12/10/12 17:09	
Fluoranthene	ug/L	1.0 U	1.0	12/10/12 17:09	
Fluorene	ug/L	1.0 U	1.0	12/10/12 17:09	
Hexachloro-1,3-butadiene	ug/L	1.0 U	1.0	12/10/12 17:09	
Hexachlorobenzene	ug/L	1.0 U	1.0	12/10/12 17:09	
Hexachlorocyclopentadiene	ug/L	1.0 U	1.0	12/10/12 17:09	
Hexachloroethane	ug/L	1.0 U	1.0	12/10/12 17:09	
Indeno(1,2,3-cd)pyrene	ug/L	1.0 U	1.0	12/10/12 17:09	
Isophorone	ug/L	1.0 U	1.0	12/10/12 17:09	
N-Nitroso-di-n-propylamine	ug/L	1.0 U	1.0	12/10/12 17:09	
N-Nitrosodimethylamine	ug/L	1.0 U	1.0	12/10/12 17:09	
N-Nitrosodiphenylamine	ug/L	1.0 U	1.0	12/10/12 17:09	
Naphthalene	ug/L	1.0 U	1.0	12/10/12 17:09	
Nitrobenzene	ug/L	1.0 U	1.0	12/10/12 17:09	
Pentachlorophenol	ug/L	2.5 U	2.5	12/10/12 17:09	
Phenanthrene	ug/L	1.0 U	1.0	12/10/12 17:09	
Phenol	ug/L	1.0 U	1.0	12/10/12 17:09	
Pyrene	ug/L	1.0 U	1.0	12/10/12 17:09	
2,4,6-Tribromophenol (S)	%	62	10-123	12/10/12 17:09	
2-Fluorobiphenyl (S)	%	65	43-116	12/10/12 17:09	
2-Fluorophenol (S)	%	41	21-110	12/10/12 17:09	
Nitrobenzene-d5 (S)	%	62	35-114	12/10/12 17:09	
Phenol-d6 (S)	%	27	10-110	12/10/12 17:09	
Terphenyl-d14 (S)	%	86	33-141	12/10/12 17:09	

LABORATORY CONTROL SAMPLE: 520692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	3.4	67	12-105	
1,2-Dichlorobenzene	ug/L		1.0 U			
1,3-Dichlorobenzene	ug/L		1.0 U			
1,4-Dichlorobenzene	ug/L	5	3.4	67	10-95	
1-Methylnaphthalene	ug/L	5	3.9	77	15-106	N2
2,4,5-Trichlorophenol	ug/L		2.5 U			
2,4,6-Trichlorophenol	ug/L		1.0 U			
2,4-Dichlorophenol	ug/L		1.0 U			
2,4-Dimethylphenol	ug/L		1.0 U			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

LABORATORY CONTROL SAMPLE: 520692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L		2.5 U			
2,4-Dinitrotoluene	ug/L	5	3.1	62	10-133	
2,6-Dinitrotoluene	ug/L		1.0 U			
2-Chloronaphthalene	ug/L		1.0 U			
2-Chlorophenol	ug/L	5	3.8	76	10-111	
2-Methylnaphthalene	ug/L	5	3.5	70	10-98	
2-Methylphenol(o-Cresol)	ug/L		1.0 U			
2-Nitroaniline	ug/L		2.5 U			
2-Nitrophenol	ug/L		1.0 U			
3&4-Methylphenol(m&p Cresol)	ug/L		2.0 U			
3,3'-Dichlorobenzidine	ug/L		1.0 U			
3-Nitroaniline	ug/L		2.5 U			
4,6-Dinitro-2-methylphenol	ug/L		2.5 U			
4-Bromophenylphenyl ether	ug/L		1.0 U			
4-Chloro-3-methylphenol	ug/L	5	4.1	83	10-129	
4-Chloroaniline	ug/L		1.0 U			
4-Chlorophenylphenyl ether	ug/L		1.0 U			
4-Nitroaniline	ug/L		2.5 U			
4-Nitrophenol	ug/L	5	1.7	33	10-54	
Acenaphthene	ug/L	5	3.6	72	12-123	
Acenaphthylene	ug/L	5	3.5	70	11-131	
Anthracene	ug/L	5	3.7	75	11-135	
Azobenzene	ug/L		1.0 U			N2
Benzo(a)anthracene	ug/L	5	4.3	86	24-138	
Benzo(a)pyrene	ug/L	5	4.4	87	20-136	
Benzo(b)fluoranthene	ug/L	5	4.5	89	19-147	
Benzo(g,h,i)perylene	ug/L	5	4.7	95	11-156	
Benzo(k)fluoranthene	ug/L	5	4.8	95	22-154	
Benzoic acid	ug/L		100 U			
Benzyl alcohol	ug/L		1.0 U			
bis(2-Chloroethoxy)methane	ug/L		1.0 U			
bis(2-Chloroethyl) ether	ug/L		1.0 U			
bis(2-Chloroisopropyl) ether	ug/L		1.0 U			
bis(2-Ethylhexyl)phthalate	ug/L		1.0 U			
Butylbenzylphthalate	ug/L		1.0 U			
Carbazole	ug/L		1.0 U			
Chrysene	ug/L	5	4.5	90	14-158	
Di-n-butylphthalate	ug/L		1.0 U			
Di-n-octylphthalate	ug/L		1.0 U			
Dibenz(a,h)anthracene	ug/L	5	4.3	86	13-154	
Dibenzofuran	ug/L		1.0 U			
Diethylphthalate	ug/L		1.0 U			
Dimethylphthalate	ug/L		1.0 U			
Fluoranthene	ug/L	5	3.7	74	20-135	
Fluorene	ug/L	5	3.5	70	11-128	
Hexachloro-1,3-butadiene	ug/L		1.0 U			
Hexachlorobenzene	ug/L		1.0 U			
Hexachlorocyclopentadiene	ug/L		1.0 U			

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

LABORATORY CONTROL SAMPLE: 520692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L		1.0 U			
Indeno(1,2,3-cd)pyrene	ug/L	5	4.3	85	15-148	
Isophorone	ug/L		1.0 U			
N-Nitroso-di-n-propylamine	ug/L	5	4.1	82	10-136	
N-Nitrosodimethylamine	ug/L		1.0 U			
N-Nitrosodiphenylamine	ug/L		1.0 U			
Naphthalene	ug/L	5	3.6	72	12-116	
Nitrobenzene	ug/L		1.0 U			
Pentachlorophenol	ug/L	5	3.6	72	13-129	
Phenanthrene	ug/L	5	3.9	77	13-134	
Phenol	ug/L	5	1.7	34	10-47	
Pyrene	ug/L	5	4.3	87	10-158	
2,4,6-Tribromophenol (S)	%			74	10-123	
2-Fluorobiphenyl (S)	%			76	43-116	
2-Fluorophenol (S)	%			50	21-110	
Nitrobenzene-d5 (S)	%			74	35-114	
Phenol-d6 (S)	%			32	10-110	
Terphenyl-d14 (S)	%			108	33-141	

### QUALITY CONTROL DATA

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

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QC Batch: PMST/3530                      Analysis Method: ASTM D2974-87  
 QC Batch Method: ASTM D2974-87                      Analysis Description: Dry Weight/Percent Moisture  
 Associated Lab Samples: 3083152001, 3083152002, 3083152003, 3083152004, 3083152005, 3083152006, 3083152007, 3083152008,  
 3083152009, 3083152010, 3083152011, 3083152012, 3083152013, 3083152015

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SAMPLE DUPLICATE: 519858

Parameter	Units	3082752008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	76.1	78.0	2	20	

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SAMPLE DUPLICATE: 519859

Parameter	Units	3082752009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	77.2	77.2	.08	20	



## QUALIFIERS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### BATCH QUALIFIERS

Batch: OEXT/13655

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/13682

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/13692

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/14815

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

1c Pre-analysis pH measurement indicates pH = 7.

2c Surrogate recovery is low in the MS. Recovery of target analyte is within limits in the MS. No further action is taken. Recovery of target analyte may be biased low.

3c The majority of the area quantitated as DRO for this sample is due to unresolved material eluting beyond C 20.

B Analyte was detected in the associated method blank.

C9 Common Laboratory Contaminant.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

## QUALIFIERS

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

---

### ANALYTE QUALIFIERS

- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- N2 The lab does not hold TNI accreditation for this parameter.
- R1 RPD value was outside control limits.
- S0 Surrogate recovery outside laboratory control limits.
- S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- S4 Surrogate recovery not evaluated against control limits due to sample dilution.

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3083152001	B-13	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152002	B-14	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152003	B-15	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152004	B-16	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152005	B-17	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152006	B-18	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152007	B-19	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152009	B-21	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152010	B-22	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152011	B-23	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152012	B-24	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152013	B-25	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152015	B-26	EPA 3546	OEXT/13637	EPA 8015B Modified	GCSV/5122
3083152014	GW-25	EPA 3510	OEXT/13692	EPA 8015B Modified	GCSV/5126
3083152008	B-20	EPA 3546	OEXT/13684	EPA 8082	GCSV/5120
3083152014	GW-25	EPA 3510	OEXT/13682	EPA 8082	GCSV/5116
3083152001	B-13	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152002	B-14	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152003	B-15	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152004	B-16	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152005	B-17	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152006	B-18	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152007	B-19	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152009	B-21	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152010	B-22	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152011	B-23	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152012	B-24	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152013	B-25	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152015	B-26	EPA 5035A/5030B	GCV/1867	EPA 8015B Modified	GCV/1868
3083152014	GW-25	EPA 5030/8015 Mod.	GCV/1866		
3083152001	B-13	EPA 3050	MPRP/9694	EPA 6010B	ICP/9097
3083152002	B-14	EPA 3050	MPRP/9694	EPA 6010B	ICP/9097
3083152003	B-15	EPA 3050	MPRP/9694	EPA 6010B	ICP/9097
3083152008	B-20	EPA 3050	MPRP/9694	EPA 6010B	ICP/9097
3083152013	B-25	EPA 3050	MPRP/9694	EPA 6010B	ICP/9097
3083152014	GW-25	EPA 3005	MPRP/9687	EPA 6010B	ICP/9090
3083152014	GW-25	EPA 7470	MERP/4063	EPA 7470	MERC/3905
3083152001	B-13	EPA 7471	MERP/4070	EPA 7471	MERC/3910
3083152002	B-14	EPA 7471	MERP/4070	EPA 7471	MERC/3910
3083152003	B-15	EPA 7471	MERP/4070	EPA 7471	MERC/3910
3083152008	B-20	EPA 7471	MERP/4070	EPA 7471	MERC/3910
3083152013	B-25	EPA 7471	MERP/4070	EPA 7471	MERC/3910
3083152013	B-25	EPA 3546	OEXT/13652	EPA 8270	MSSV/4651

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 03-12-0364 MUSEC

Pace Project No.: 3083152

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3083152014	GW-25	EPA 3510	OEXT/13655	EPA 8270	MSSV/4657
3083152001	B-13	EPA 8260	MSV/14815		
3083152002	B-14	EPA 8260	MSV/14808		
3083152003	B-15	EPA 8260	MSV/14815		
3083152004	B-16	EPA 8260	MSV/14808		
3083152005	B-17	EPA 8260	MSV/14808		
3083152006	B-18	EPA 8260	MSV/14808		
3083152007	B-19	EPA 8260	MSV/14808		
3083152009	B-21	EPA 8260	MSV/14808		
3083152010	B-22	EPA 8260	MSV/14808		
3083152011	B-23	EPA 8260	MSV/14808		
3083152012	B-24	EPA 8260	MSV/14808		
3083152013	B-25	EPA 8260	MSV/14808		
3083152015	B-26	EPA 8260	MSV/14808		
3083152014	GW-25	EPA 8260	MSV/14789		
3083152001	B-13	ASTM D2974-87	PMST/3530		
3083152002	B-14	ASTM D2974-87	PMST/3530		
3083152003	B-15	ASTM D2974-87	PMST/3530		
3083152004	B-16	ASTM D2974-87	PMST/3530		
3083152005	B-17	ASTM D2974-87	PMST/3530		
3083152006	B-18	ASTM D2974-87	PMST/3530		
3083152007	B-19	ASTM D2974-87	PMST/3530		
3083152008	B-20	ASTM D2974-87	PMST/3530		
3083152009	B-21	ASTM D2974-87	PMST/3530		
3083152010	B-22	ASTM D2974-87	PMST/3530		
3083152011	B-23	ASTM D2974-87	PMST/3530		
3083152012	B-24	ASTM D2974-87	PMST/3530		
3083152013	B-25	ASTM D2974-87	PMST/3530		
3083152015	B-26	ASTM D2974-87	PMST/3530		



CHAIN-OF-CUSTODY/ANALYTICAL REQUEST DOCUMENT

Client Contact: **Triad Engineering, Inc.**  
 1075D Sherman Avenue  
 Hagerstown, MD 21740  
 (301) 797-6400 Phone  
 (301) 797-2424 FAX  
 Project Name: 03-12-0364 MUSEC  
 Site: MUSEC PHASE II  
 P O # 03-12-0364

Project Manager: **Nicholas Wolfe**  
 Tel/Fax: 301-797-6400  
 Analysis Turnaround Time  
 Calendar (C) or Work Days (W) 7  
 TAT: if different from Below  
 2 weeks  
 1 week  
 2 days  
 1 day

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Full Suite VOCs 8260	TPH-DRO 1-liter/GRO 8015	SVOCs 8270 1-liter	PPL-Metals 6010B	PCBs 8082 1-liter
B-13 ✓	12/4/12	750	G	Soil	1	X	X	X	X	
B-14 ✓	12/4/12	825	G	Soil	1	X	X	X	X	
B-15 ✓	12/4/12	835	G	Soil	1	X	X	X	X	
B-16 ✓	12/4/12	845	G	Soil	1	X	X	X	X	
B-17 ✓	12/4/12	900	G	Soil	1	X	X	X	X	
B-18 ✓	12/4/12	915	G	Soil	1	X	X	X	X	
B-19 ✓	12/4/12	925	G	Soil	1	X	X	X	X	
B-20 ✓	12/4/12	935	G	Soil	1	X	X	X	X	
B-21 ✓	12/4/12	945	G	Soil	1	X	X	X	X	
B-22 ✓	12/4/12	1080	G	Soil	1	X	X	X	X	
B-23 ✓	12/4/12	1005	G	Soil	1	X	X	X	X	
B-24 ✓	12/4/12	1015	G	Soil	1	X	X	X	X	
B-25 ✓	12/4/12	1045	G	Soil	1	X	X	X	X	
GW-25	12/4/12	1050	G	Water	9	X	X	X	X	X
B-26 ✓	12/4/12	1130	G	Soil	1	X	X	X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other 2  
 Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Special Instructions/QC Requirements & Comments:  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Relinquished by: <i>[Signature]</i>	Company: <i>[Signature]</i>	Date/Time: <i>12-5-12 0945</i>
Relinquished by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:



**Sample Condition Upon Receipt**

Client Name: TRIAD

Project # 3083152

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Tracking #: 8986 9653 4677

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used 5 6 7

Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 1.9

Biological Tissue is Frozen: Yes No

Optional  
Proj. Due Date:  
Proj. Name:

Date and Initials of person examining contents: TAW 12-5-12

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>Sample Id has no time printed on bottles</u>
-Includes date/time/ID/Analysis Matrix: <u>SL / WT</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <u>VOA</u> coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	initial when completed <u>TAW</u> Lot # of added preservative
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>ALL VOAs HAVE HEADSPACE</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

**Client Notification/ Resolution:**

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: *[Signature]*

Date: 12/5/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Project Number: 3083152

Client Name: J. R. R. R.

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y	O & G (1L)	TPH (1L)	VOA (40 ml / 30 ml)	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubtainer (500 ml / 4L)	Ziploc	Other	Other
001	SL	1																						
↓	↓	↓																						
013	↓	↓								1														
014	WT			↓	3	10/15/10								5										
015	SL	1																						

**Attachment L**

**Traffic and Parking Memo – Dated April 20, 2012**





# CITY OF HAGERSTOWN, MARYLAND

Department of Parks and Engineering

April 20, 2012

TO: Bruce Zimmerman, City Administrator  
FROM: Rodney Tissue, City Engineer *RT*  
RE: Parking and Traffic Summary:  
City Center Multi-Use Outdoor Sports and Events Center

---

We have completed a traffic impact study and the City Center parking study by *Rich and Associates, Inc* is substantially complete. I can provide details if so desired, but in summary:

## ASSUMPTIONS:

- 6,000 seat event center capacity yields a maximum of 2,000 event in-bound vehicle trips (based on minor league baseball requirements and zoning requirements) and therefore the need for 2000 parking spaces.
- Actual customer data from the Suns was used to determine the direction and distribution of the expected 2,000 inbound vehicles.
- Using computer modeling, we analyzed weekday evening events (PM rush hour) and assumed 90% of traffic arrived in a single hour overlapping evening rush hour to be conservative

## PARKING:

Based on the extensive parking study by *Rich and Associates*:

- City Center **off-street public** parking (five lots and two decks): > 1,300 spaces
- **On-street public** parking within a ½-mile radius of event center: > 500 spaces
- *Rich and Associate's* study shows City Center **private**, non-residential parking of > 2,000 spaces
- Therefore, there is over 3,800 spaces within ½ mile radius (roughly four blocks) of stadium site, without new deck

## TRAFFIC IMPACT:

- Evening event traffic is generally contra-flow to traffic leaving City Center at end of work day
- Current City Center traffic volumes are down at least 15% from past years.
- Inbound traffic can use up to nine main routes into City Center
- Staff recently conducted traffic counts at nine City Center intersections during the evening rush hour.

All of the studied intersections are currently operate at high Levels of Service (like in school an “A” is very efficient and minimal delays while an “F” is failing and expect major delays and sitting through multiple signal cycles at an intersection).

- Staff then layered the event inbound trips onto the evening rush hour volumes. Again, the actual customer data from the Suns was used to determine the direction and distribution of the expected maximum of 2,000 inbound vehicles. The model assumed 90% of traffic would arrive within a single hour and would overlap with evening rush hour to be conservative.

The results indicate that eight locations maintain the same LOS, and only one intersection degraded to LOS “E.” (Washington at Summit/Jonathan).

An “event day” signal timing plan may need to be developed to mitigate some of these issues

A facility in a City Center location would likely have a higher degree of dispersion of arrival times given that some event goers will seek additional dining and entertainment activities before and after events. Additionally, various parking locations will disperse traffic greater than one single lot. Remember, you don’t drive to the stadium; rather you drive to the parking area, and then walk to the stadium, past shops, restaurants and other businesses.

Let’s not forget, traffic in a community’s central business district is a GOOD thing!

#### SUGESTIONS FOR TRAFFIC MITIGATION:

- 1) The baseball team and the City must be very intentional about **educating ticket buyers on where parking is available**. The baseball team should engage the private lot holders who may be willing to make parking available for events.
- 2) Expect some congestion during the first month or so as people get familiar and ‘find their way’. Inform the public of possible event-related congestion during the first month or so.
- 3) Provide “**way-finding**” signs to direct people from each approach roadway to the appropriate parking facility to reduce ‘recirculation’ of traffic looking for parking.
- 4) Be proactive in monitoring traffic patterns during the first few months of operation after ‘opening day’ to **adjust traffic controls, parking regulation and way-finding signing as necessary**.

Attachment: Various study excerpts

c: Jim Bender  
Tim Young  
Eric Deike  
Paul Silberman

# Downtown Multi-use Outdoor Sports & Events Center



## Preliminary Traffic and Parking Impact Assessment

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April 16, 2012

# Sports and Events Center Traffic Estimate

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- # 6,000 seat capacity
- # Weekday evening game
- # Approximately 2,000 inbound vehicles on game night during PM rush hour

# Presentation Outline

---

- # Existing Conditions
  - Roadway Network
  - Traffic Volumes/Level of Service
  - Parking Facilities
- # Future Conditions
  - Sports and Events Center Traffic Volumes
  - Parking Facilities and Assignment
  - Traffic Volumes/Level of Service
- # Identify Operational (e.g. signal timing) and Parking Management Strategies to Accommodate Sports Center Traffic

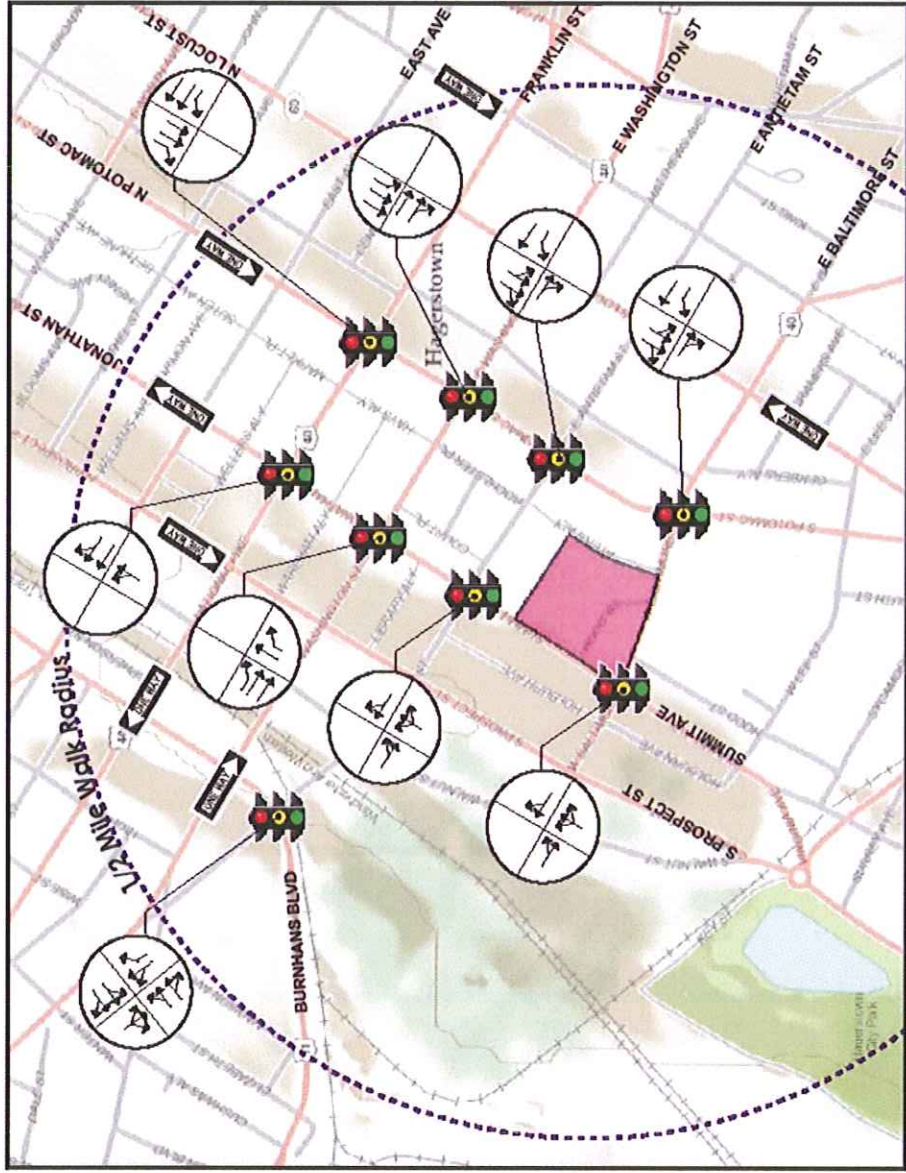
# Existing Roadway Network

*New 'Multi-Use Outdoor Sports & Events Center' Traffic Study Lane Configuration*

Hagerstown, Maryland

**LEGEND**

- Lane Configurations
- Traffic Signal
- Proposed Multi-Use Outdoor Sports & Events Center



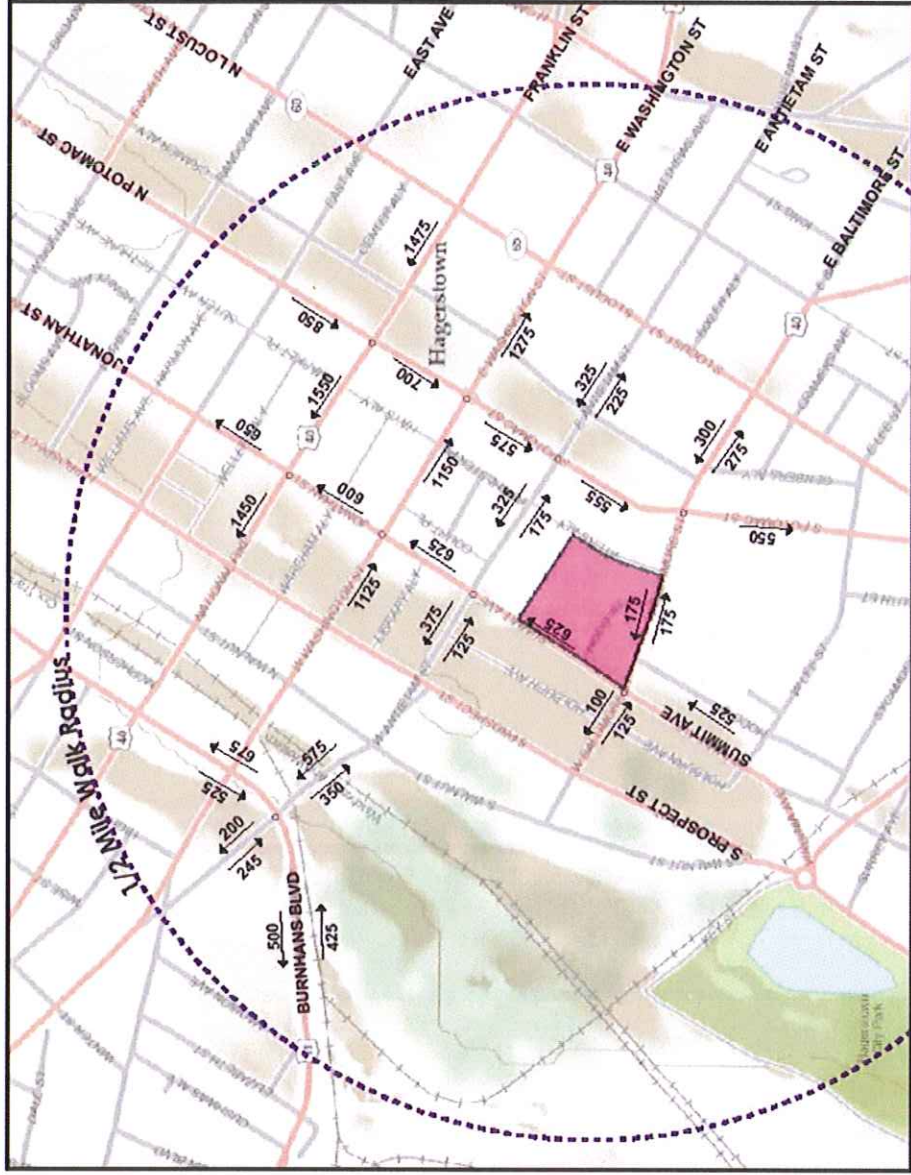
N.T.S.  
04.2012

**SABRA, WANG & ASSOCIATES, INC.**

# Existing PM Rush Hour Traffic Volumes

*New 'Multi-Use Outdoor Sports & Events Center' Traffic Study*  
 PM Traffic Volumes

Hagerstown, Maryland

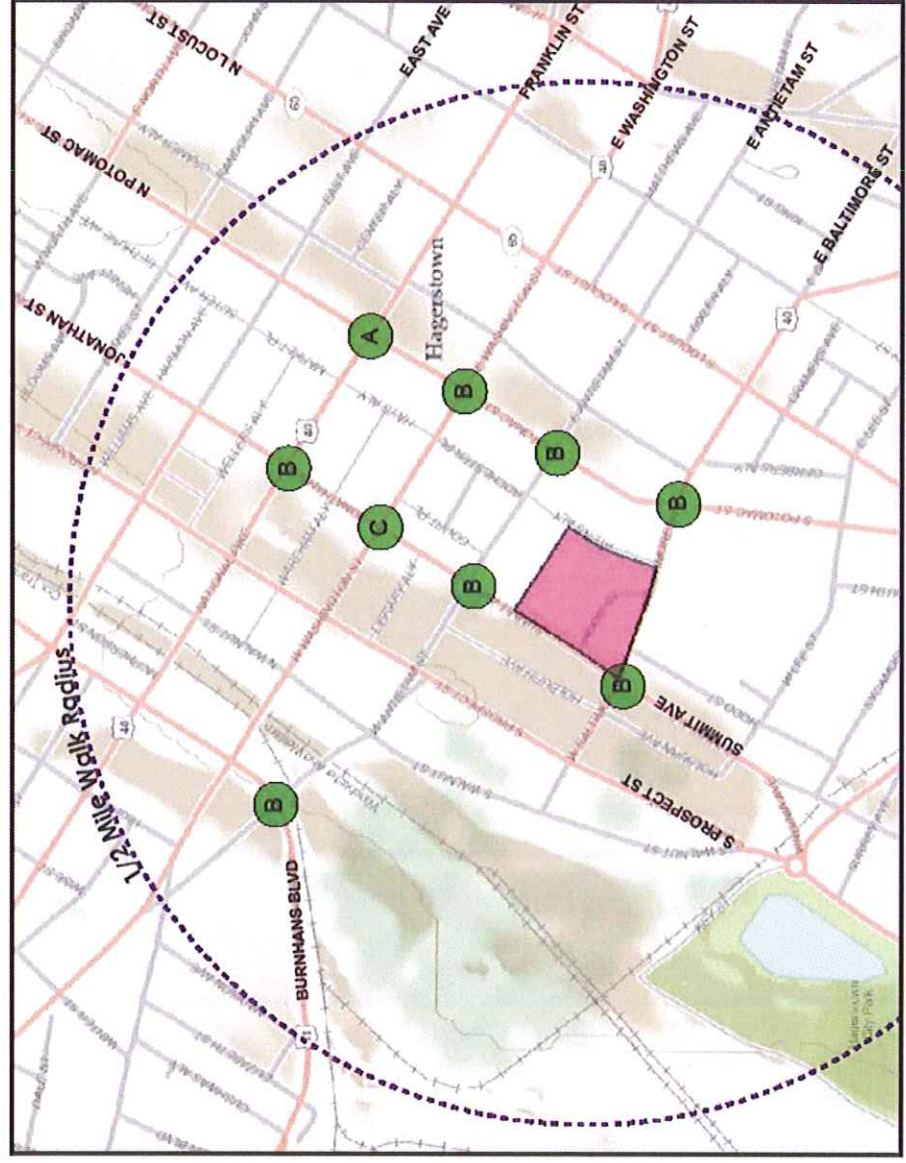
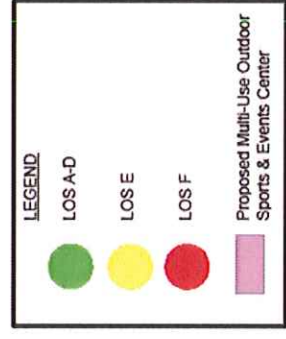


N.T.S.  
 04.2012  
  
 SABRA, WANG & ASSOCIATES, INC.

# Existing PM Rush Hour Level of Service

**New 'Multi-Use Outdoor Sports & Events Center' Traffic Study**  
 PM Intersection Level of Service (LOS)

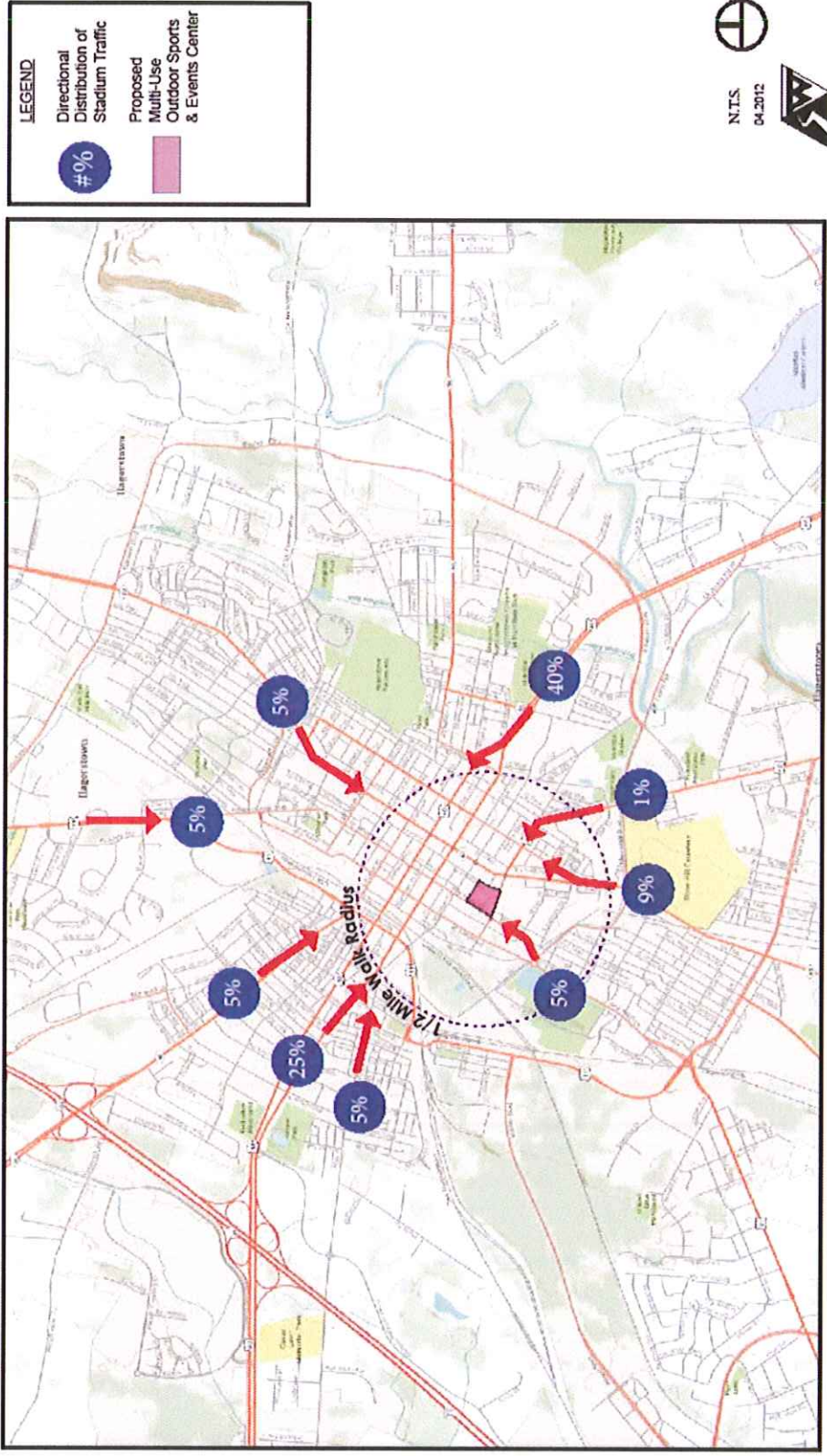
Hagerstown, Maryland





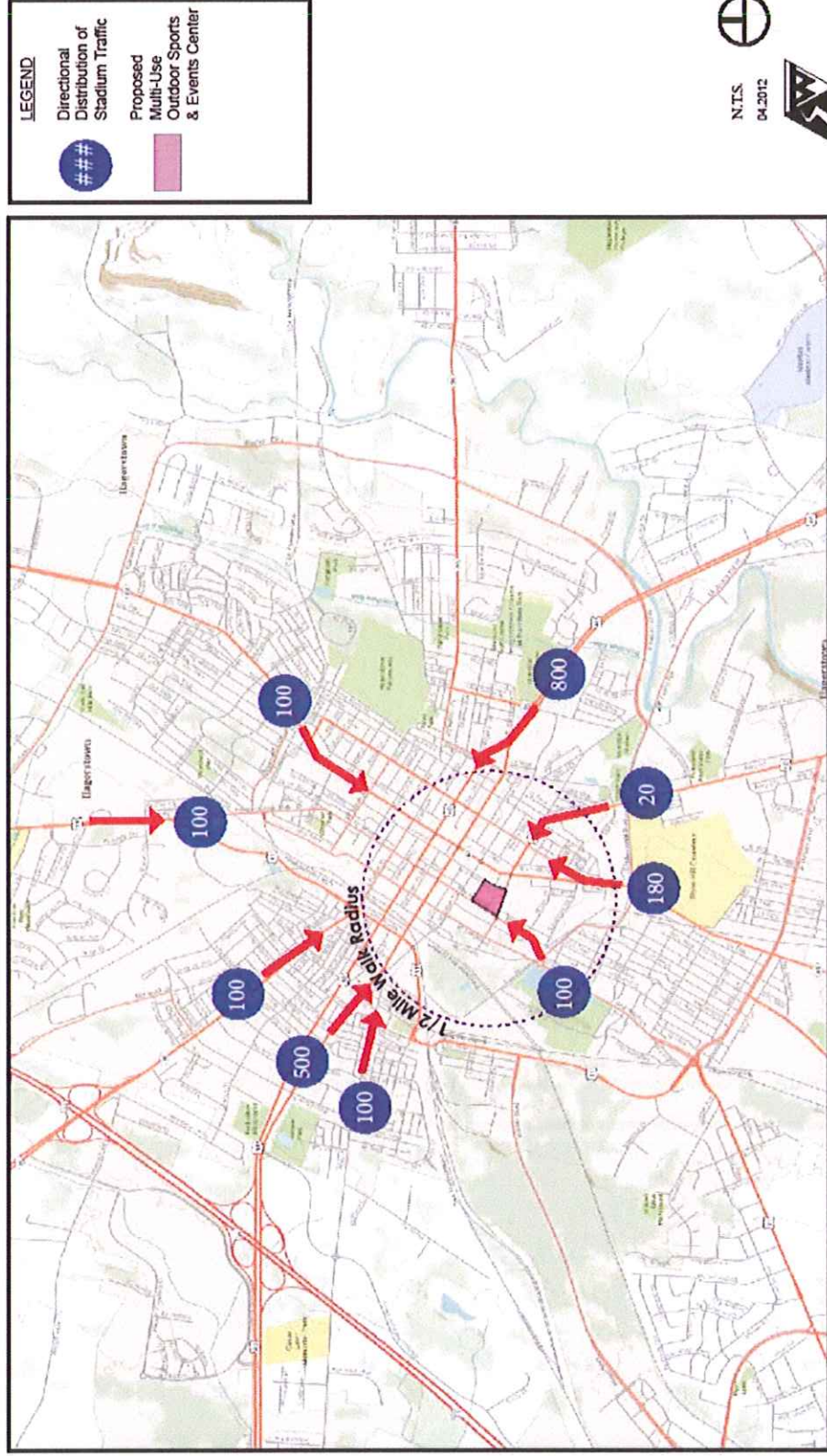
# Sports and Events Center Traffic Distribution

*New 'Multi-Use Outdoor Sports & Events Center' Traffic Study  
Parking Distribution Study*



# Sports and Events Center Traffic Distribution

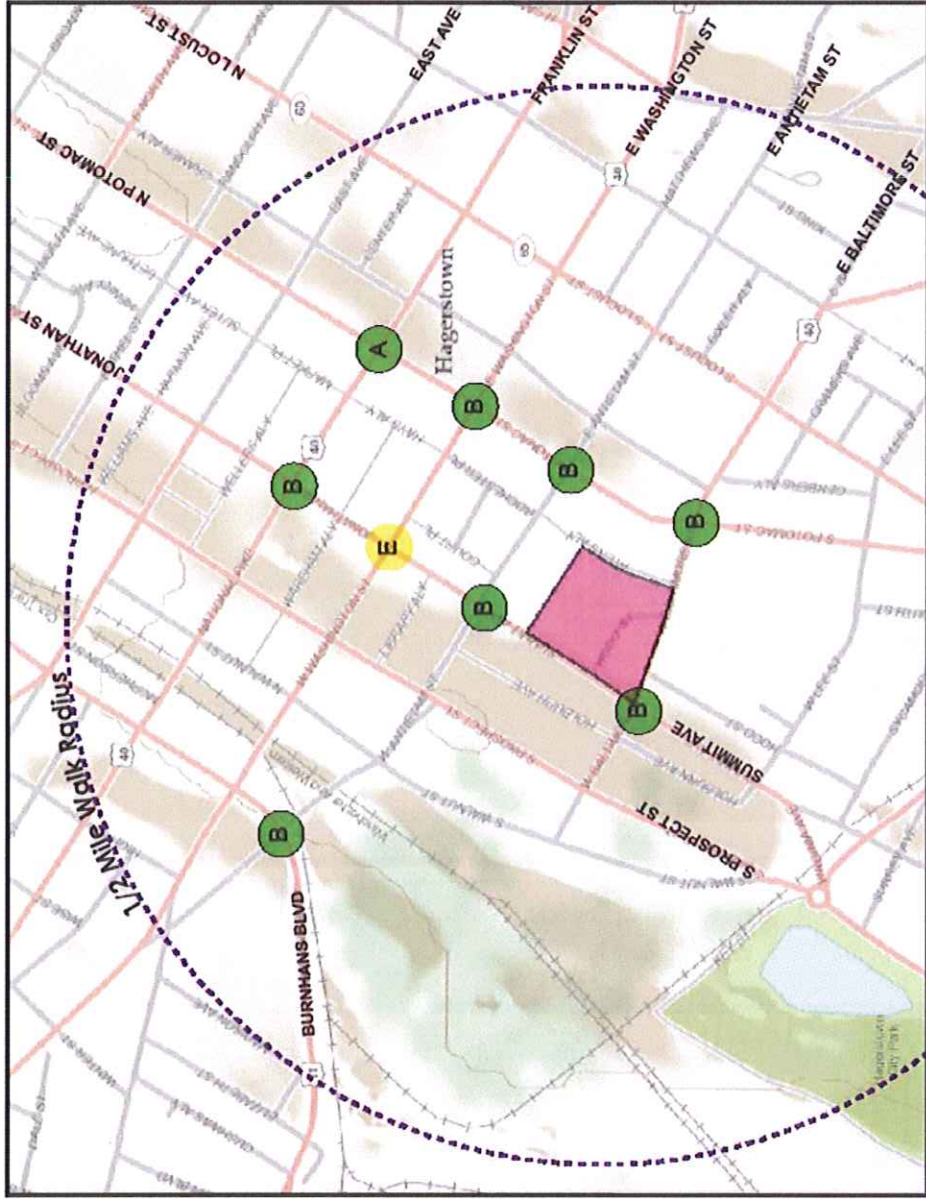
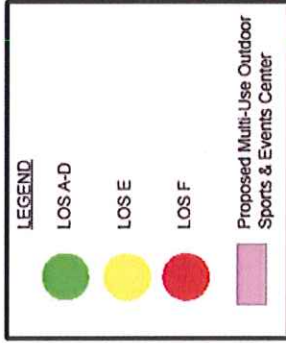
*New 'Multi-Use Outdoor Sports & Events Center' Traffic Study  
Parking Distribution Study*



# Future PM Rush Hour Level of Service

**New 'Multi-Use Outdoor Sports & Events Center' Traffic Study**  
 Future PM Intersection Level of Service (LOS)

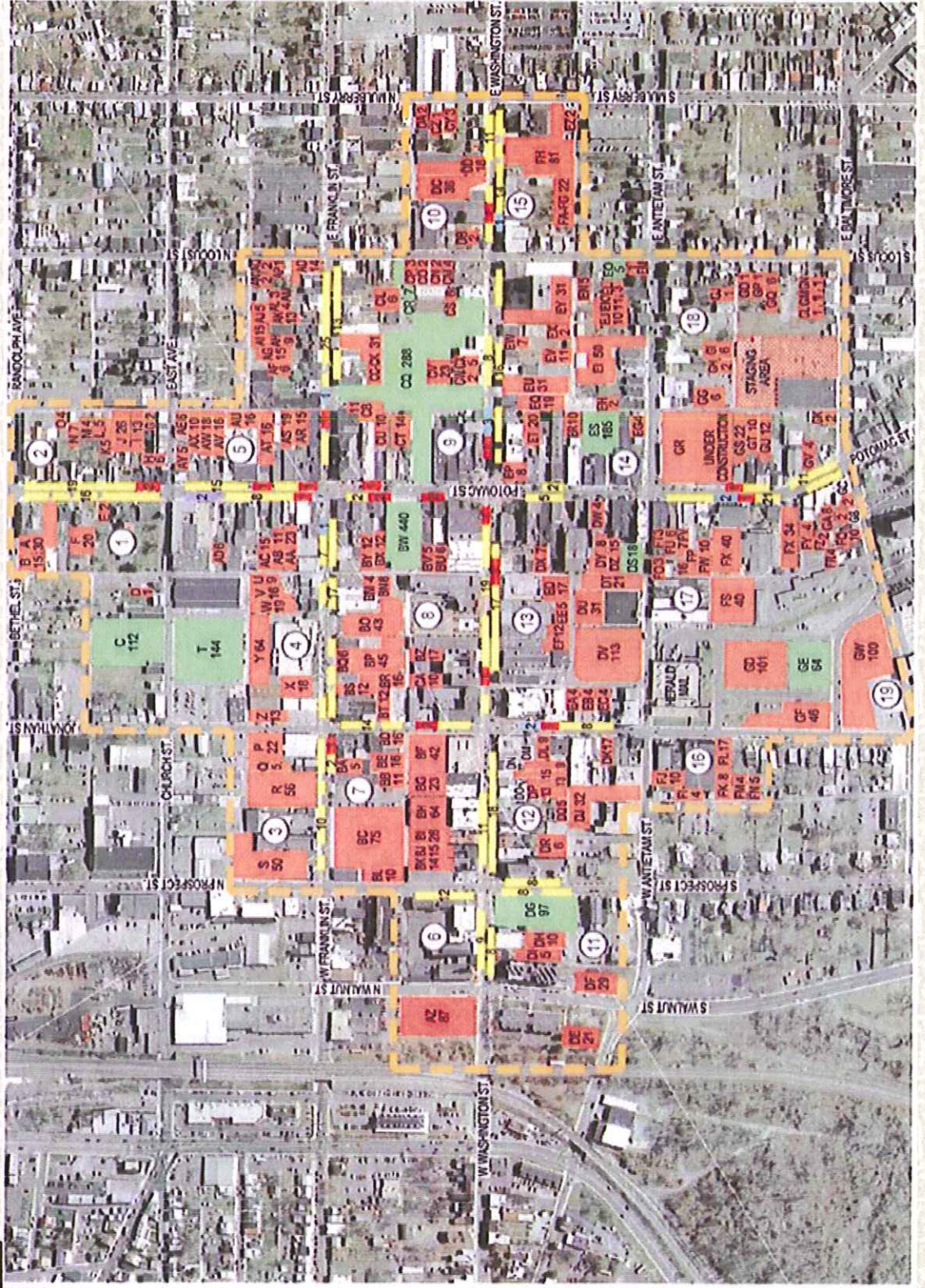
Hagerstown, Maryland



N.T.S.  
 04.2012  
 SABRA, WANG & ASSOCIATES, INC.



# Downtown Parking Inventory



**PARKING STUDY FOR THE CITY OF HAGERSTOWN**  
HAGERSTOWN, MARYLAND

**RICH**  
ANNE ARUNDEL COUNTY  
PLANNING DEPARTMENT

**LEGEND**

- ⑤ BLOCK NUMBER
- STUDY AREA
- OFF-STREET PARKING
  - PUBLIC
  - PRIVATE
  - ON-STREET PARKING
- 24HR.
- 30 MIN.
- PUBLIC D.O.
- RESERVED D.O.
- BLOCK FACE SURVEY PLAN

BLF - BARRIER FREE

**PARKING SUPPLY**

TYPE	BLF	NO BLF
Public	100	100
Private	100	100
On-Street	100	100
24-Hour	100	100
30-Min	100	100
Public D.O.	100	100
Reserved D.O.	100	100
Block Face Survey Plan	100	100