

ADVERTISEMENT FOR BIDS

NOTICE

Sealed bids will be received, publicly opened and considered by

**Share Food Program, on November 30, 2022 @3pm virtually (via Zoom)
for the Renovation of 101 Amosland Road.**

Work entails structural repairs, roof replacement, electrical upgrades, the addition of a loading dock, buildout of small office space and site improvements.

Plans, specifications, information for bidders and forms for proposals may be obtained or examined at

By emailing Rebecca Finlan rfinlan@watchdogpm.com

Bids must be made on the forms furnished by the Owner and must be accompanied by a certified check or bid bond issued by a Surety licensed to conduct business in the Commonwealth of Pennsylvania, in the amount of at least 5% of the total price bid made payable to the Owner.

The successful Bidder will be required to furnish and pay for satisfactory Performance and Payment Bonds, each in the amount of one hundred percent (100%) of the Contract Price with a corporate surety approved by the Owner.

The Bidder's attention is called to the fact that this project is assisted with federal funds, and various federal requirements apply as noted in the bid documents, including but not limited to equal opportunity provisions. Davis-Bacon and Related Acts, and Section 3 Final rule threshold requirements for contracts over \$200,000 in HUD funds.

Award of Contract will be to the lowest responsible bidder, but the Owner reserves the unqualified right to reject any or all bids and to waive any informalities.

George Matysik

Executive Director
Share Food Program



Share Food Program Delaware County Warehouse Renovation General Construction - Request for Proposals

To All Interested Contractors,

“Share Food Program” (“Client”) has retained Watchdog Real Estate Project Management (“Watchdog”) in connection with the construction/renovation project taking place at 101 Amosland Road located in Holmes, PA in Delaware County. In our capacity as Project Manager, we have been asked to solicit proposals for General Construction services.

Share Food seeks to make upgrades to the facility to enable them to occupy and utilize the facility. Upgrades include a new roof and related structural work, electrical upgrades and the addition of a loading dock. The project also includes the build out of a small office space as well as necessary sitework.

Please upload your proposal to Dropbox (link to be provided via email) by **November 30, 2022, 12 p.m.**

A walk through at the site will be held with all interested bidders on **November 14, 2022 at 11:00 a.m.**

We anticipate firm interviews to take place on December 8, 2022 and selection and notification of the awarded firm on or before December 22, 2022. All dates are subject to change.

If you have any questions regarding the contents of the attached request for proposal, please contact me at 267-318-2589 or at rfinlan@watchdogpm.com.

Thank you for your interest in working with Share Food Program and Watchdog.

Sincerely,

Rebecca Finlan
Senior Project Manager
Watchdog Real Estate Project Management



RFP Schedule

RFP Issue Date	November 8, 2022
On-Site Walk Through	November 14, 2022 @ 11 a.m.
Questions Due	November 16, 2022 @ 5 p.m.
Answers Issued	November 21, 2022 @ 5 p.m.
Proposal Due	November 30, 2022 @ 12 p.m.
Bid Opening (via Zoom)	November 30, 2022 @ 1 p.m.

CRITICAL DATES Schedule

GC Interviews	December 8, 2022
Award Contract	December 22, 2022
Mobilization	January 16, 2023
Substantial Completion	July 7, 2023

Exhibit Schedule

Exhibit A	GC Bid Form
Exhibit B	Specifications
Exhibit C	Drawings
Exhibit D	Phase I
Exhibit E	Wage Rates – 10.21.22



Share Food Program – Delaware County Warehouse Renovation Invitation to Respond to Request for Proposal (RFP)

I. **Background:**

A. **General Client Description**

Share Food Program, Inc. was founded in 1986, originally as a food co-op for communities in need of access to low-cost food. In 1991 the organization became a 501(c)(3) nonprofit hunger relief organization and grew under the leadership of Steveanna Wynn to become one of the largest independent food banks in the nation. In 2019, the Board of the Share Food Program appointed a new Executive Director, George Maytsik, and at the same time the organization obtained contracts to serve the School District of Philadelphia's student lunch program. The staff was expanded to increase the reach of the organization and expand its capacity to obtain and distribute available food, both dry and refrigerated goods. Share Food owns and maintains a warehouse at 2901 Hunting Park Ave in Philadelphia as its headquarters.

B. **General Project Description**

Share Food purchased the warehouse located at 101 Amosland Road in 2021. Currently, Share Food seeks to make upgrades to the facility to enable them to occupy and utilize the facility. Repairs/improvements include a new roof and related structural work, electrical upgrades and the addition of a loading dock. The project also includes the build out of a small office space as well as necessary sitework.

C. **Design Professionals**

Woodcock Design, Inc. has been engaged as the Architect of Record, Chestnut Engineering is the MEP Engineer, and Bevan Lawson is the Structural Engineer.

D. **Point of Contact**

Rebecca Finlan
Watchdog Real Estate Project Management
Senior Project Manager
Tel: 267-318-2589
Email: rfinlan@watchdogpm.com

II. **Selection Requirements – Submission of Bids:**

A. **RFP Response**

1. "Client" intends to make its decisions based on the analysis of the RFP response received on or before the response deadline followed by descope interviews of select bidders. It is essential that each prospective contractor submit its best response to this RFP on time.
2. The deadline for your response to this RFP is per the RFP schedule on page 2 and U.S. Eastern Standard Time. One (1) PDF copy of your proposal should be uploaded to the Dropbox link that will be provided via email to all interested bidders. Individual link shall be requested via email no later than November 29, 2022. Proposals should be addressed to Share Food Program.
3. Requests for Information (RFI's) about the details or scope of this RFP should be emailed to the Point of Contact listed above and are due no later than the date listed in the RFP schedule on page 2. RFI's should NOT be submitted verbally. The RFI response date is also available on page 2. All bidders will receive the RFI responses and any addendums via email.

B. **General Response Requirements**

1. All bidders are required to fill out the Construction Bid Form spreadsheet (Exhibit A) in its entirety. The Contract Form will be a Lump Sum. Contractor's price must include the entire



- scope of the drawings and specifications, all general conditions, overhead and fees.
2. Provided for each bidders' information is the anticipated project schedule (page 2) for this project. Please confirm your agreement with the Project Schedule and/or provide comments/proposed deviation. GC to Provide as part of the RFP response a conceptual construction schedule based on the Project Drawings and Specifications in Exhibit B & C and the key dates on page 2, though Client is happy if construction can be completed sooner.
 3. Client invites each bidder to present potential Value Engineering items for review. Please identify any quality risk/justification to Client for any options proposed. Please include these separately as part of the bid response and include the price for the scope as designed on the Bid Form.
 4. The bidders RFP response should include the following:
 - a. Proposed project team and associated structure of designated team.
 - i. Include organizational charts defining roles, responsibilities showing how you will staff the project.
 - ii. Please identify which staff will be present on-site vs. supporting staff in the firm's main office.
 - iii. Please indicate the amount of time – represented in a percentage – that each staff member will be dedicated to the project.
 - b. Experience of designated team members (include resumes) and references of proposed staff. Include any recent and relevant project experiences of similar size and scope. Please include a project description of services provided, completion date, client references and value of construction.
 - c. Submit a copy of your company's Safety Policy for job sites.
 - d. Division 1 forms
 - i. Noncollusion Affidavit
 - ii. Bid Bond
 - iii. Subcontractor Declaration Form
 - iv. Nondiscrimination Clause
 - v. Conflict of Interest Form
 - vi. MBE/WBE Outreach
 - vii. Provision of Training Certification
 - viii. Certification with Compliance with Air and Water Acts
 - ix. Affidavit Accepting the Provision of the Workmen's Compensation Act
 - x. Certification of Compliance with Federal Labor Standards
 - xi. Prime Contractor's Questionnaire
 - xii. MBE/WBE Contact/Solicitation Statement
 - xiii. Subcontractor's Questionnaire
 - xiv. Economic Opportunity Notification *
 - xv. Section 3 Actual Project Workforce Breakdown
 - xvi. Certification of Non-Segregated Facilities

C. Proposal Clarifications:

1. Exhibits (A-E) of this RFP, the Scope of Work, Drawings and Specifications and the submitted Proposal will become part of the selected General Contractor's contract.
2. Client shall have the right to reject any and all proposals.
3. Any exceptions to this RFP must be proposed in writing during the initial proposal submission period.
4. Client will not be liable for any proposal preparation costs or any delay in acting upon



proposals.

5. The issuance of this RFP and the submission of Contractor's proposal do not create any obligation upon Client to purchase goods or services from the Contractor, or to enter into any binding legal relationship with any one or more of the Contractors.

D. Construction Agreement

1. Upon selection of a General Contractor, the selected General Contractor will enter into a contract with Client for completion of the project.
2. It is anticipated that an AIA format will be utilized. However please refer to the General Contract Provisions listed in the Specifications for additional requirements.

III. General Contract Requirements:

A. Project Specific Requirements

1. Contractor must adhere to all applicable laws and ordinances.
2. Contractor to coordinate any required inspections and comply with Township Inspection Agencies.
3. Contractor should provide a safe and secure environment during construction for both individuals and property.
4. Contractor will obtain and pay for all local permits, licenses, etc., necessary to complete its work. All contractors (including any subcontractors) will be required to be licensed as required. The general contractor will attain the building permit. Building Permit fees shall be a passthrough expense. Any other costs to attain the permit shall be the Contractor's responsibility. Contractor will obtain the Certificate of Occupancy upon completion, if applicable.
5. **Contractor will be required to attend a weekly construction call either virtually or in person as desired by Client. In addition, Contractor is required to attend any requested site visits with Client.**
6. Contractor shall pay all labor the prevailing wage. Submission of payroll certification to the Delaware County Office of Housing and Community Development (OHCD is required as part of the invoice process, due to funding streams.
7. Contractor shall take all necessary steps to prevent interference with any and all other operations and tenants. If overtime is required to prevent interference, it is the contractor's responsibility to bear these costs.
8. Contractor will be responsible for meeting all completion and occupancy dates as listed on page 2.
9. It is the Contractor's responsibility to maintain an adequate labor force, as required and on a daily basis, to properly clean up all debris associated with its operations. All rubbish and debris is to be removed from the site and legally disposed of at the contractor's expense. The premises and the job-site shall be maintained in a neat and orderly condition and kept free from accumulation of waste materials and rubbish during the entire construction period. All crates, cartons and other flammable waste materials or trash shall be removed from the work areas at the end of each working day.
10. The contractor's and all subcontractor's labor force shall be made up of qualified personnel only. Client and Watchdog reserve the right to remove, or cause to be removed, from the jobsite any individual or subcontractor deemed by Client or Watchdog to be detrimental to the successful completion of the project.
11. Contractor agrees to comply with all provisions of OSHA's Hazardous Conditions Standard. This includes but is not limited to establishing a written program, maintaining hazardous



chemical inventories, preparing material safety data sheets, employee training, etc. It is the contractor's responsibility to review these standards.

12. Contractor will be responsible for the security of all equipment and materials brought on site during the construction. Contractor shall take all necessary steps to provide a secure worksite. Contractor shall provide any necessary temporary doors, locks, security, or other measures necessary to provide a secure jobsite and to prevent interference with adjacent spaces. The awarded Contractor will be required to submit a detailed logistics plan for pre-approval.
13. Contractor must promptly (within 24 hours) report in writing to Client and Watchdog all accidents whatsoever arising out of, or in connection with, the performance of the work, whether on or off the site, which caused death, personal injury or property damage, giving full details and statements of witness. In addition, if death or serious injuries or serious damage are caused, the accident shall be reported immediately by telephone.
14. Contractor is responsible for providing restrooms for workers.

B. Contractor Insurance Requirements

1. Contractor and all subcontractors shall maintain, at their sole cost and expense, insurance coverage satisfactory to Client and Township with appropriate limits of liability for a project of this nature. The Client and Watchdog shall have the right to inspect and review the policies and shall be provided with copies upon request. Certificates of insurance shall be in the name of Client, and each such certificate shall list the following as additionally insured on the contractor's certificates of insurance:
 - a. ShareFood Program; its Affiliates & Subsidiaries
 - b. Watchdog USA LLC – Project Manager
 - c. Architect
2. Share's carrier requires that all contractors provide a certificate of insurance naming Share as additionally insured, with a waiver of subrogation, with primary and non-contributory wording, and 30-day notice of cancellation.
3. Share's carrier requires contractors to carry General Liability Limits of \$1,000,000/\$2,000,000 aggregate and a \$5,000,000 excess policy that follow form.
4. Contractor is to name Share on the bond for the full amount.
5. Contractor agrees to hold harmless, indemnify and defend Client, Watchdog, their officers and directors, employees and agents from and against any and all liabilities, lawsuits, damages, costs and expenses, including attorneys fees, which Client, Watchdog, their officers and directors, employees and agents may suffer, incur, be put to pay and claims, legal actions, or proceedings, which may be brought against Client, Watchdog, their officers and directors, employees, agents and shareholders because of or resulting from personal injury to or death of any persons whomsoever including Client, Watchdog and contractor's employees, or property damage to any persons or organizations whatsoever rising out of or occasioned by or in any way connected with the performance of work called for by this work order. Nothing in the foregoing is intended as an agreement to indemnify or hold harmless Client, Watchdog or their officers, employees, or agents, from such person's own negligence.

C. Project Changes

1. It shall be the General Contractor's task to manage the process for change orders resulting from scope changes to the work as defined by project specifications.
 - a. Upon discovery of a potential change order the General Contractor shall advise in writing to Watchdog and Architect, within 3 working days, the nature of the change



order and its origin, if approved, within a further 7 working days (10 working days in total) the General Contractor shall submit a formal change order for approval. Change orders submitted after this time shall be accepted or denied at the sole discretion of Client. This process will be strictly adhered to by Watchdog Real Estate Project Management/Client, except in an emergency endangering life/property or if waived by Client and/or Watchdog.

- b. Negotiate with trade contractors on behalf of Client, all change orders as deemed appropriate by Client. Update and submit change order logs to Client on a weekly basis.
- c. Contractor claims for an increase in the time of completion or the extension of time for an activity shall be provided by written notice to Watchdog within five (5) working days after the occurrence of the event giving rise to such claim; otherwise, it shall be waived. No such claim shall be valid unless so made. It is Watchdog Real Estate Project Management's/Client's intent to adhere strictly to this policy.

D. Project Schedule

1. The contractor is required to complete the project and turn over the completed space to Client per the construction sequencing plan and milestone dates on Page 2, or as otherwise agreed to per awarded contractor's alternate schedule.
2. The contractor is required to generate and submit a critical path schedule detailing the construction process they deem most economical and efficient to complete the work.
 - a. The schedule should include the following phases: Permitting/Mobilization, Demolition, Site Work, Construction, Loading Dock, and closeout.
 - b. The contractor shall include time in the project schedule to allow access as needed for installation of ancillary equipment not provided by the contractor as directed and coordinated by Watchdog.
 - c. The schedule shall be maintained, and updates provided to Watchdog and Client weekly or as agreed upon by Watchdog and Client.
3. Should the contractor fail to adhere to the schedule, the contractor shall furnish such labor and/or services or work sufficient overtime as may be necessary to make progress conform to schedule. Failure to adhere to schedule, or failure to take steps to regain schedule shall constitute default within the terms of the contract. Any premium time costs shall not be reimbursable unless previously approved in writing by Watchdog.

E. Close-out

1. Provide closeout reports including guarantees, warranties, "As-Built" drawings, and maintenance and procedures manuals for new equipment and provide signoffs by authorities having jurisdiction over the project.
2. The contractor shall prepare one bound copy and one digital copy of all equipment operating manuals and provide to the Client. Information provided shall include information for all equipment and materials installed for the project in accordance with the specifications.
3. Failure to submit any of the required information to the Client within one month of project completion may result in the withholding of final payment to contractor or release of project retainage until documentation is received.
4. General Contractor will be responsible to update the project completion checklist on a weekly basis and issue to Watchdog.
5. Resolve any disputes between trade contractors.
6. Coordinate preparation of punch-lists, and complete punch-lists in a timely fashion previously agreed with Watchdog and Architect.



7. Complete all final inspections and close out permits.

IV. Contractor Billing Requirements:

A. Invoicing

1. All billing requests are to be submitted on or before the 25th of each month for the current billing month utilizing and AIA format. This initial billing will be reviewed by Watchdog with the contractor for completeness, accuracy, and format. This draw shall reflect the anticipated completion status of the project through the end of the current billing month. The contractor will revise the billing package in accordance with the agreed upon changes and submit the billing in its final form to Watchdog. All payments are expected to be processed and checks cut within 30 days of the end of the current billing month. Payroll certificates are also required as part of the invoice packet. It is recommended that contractors submit these weekly for review to OHCD so as to not delay payment.
2. Contractor's Applications for Payment shall be accompanied by the following, all in form and substance satisfactory to the Owner and in compliance with applicable statutes.
 - a. Duly executed Waivers of Mechanics' and Material men's Liens from contractor and all such subcontractors, establishing payment or satisfaction of the payment requested by contractor at the time of Application for Payment.
 - b. Waivers shall be submitted at the time of payment application. The final waivers from the Contractor and subcontractors must be submitted prior to final payment.
 - c. All billings must retain 10% of the total billed amount to date. Retainage may be lowered during the project process. Strict material purchase orders may have no retainage. This is at the discretion of Client and Watchdog Real Estate Project Management.
3. Failure to comply with this format may result in late payment. If billing is not submitted in its entirety and in the proper form and format it may be held until the next month billing.



**Share Food Program
Holmes, PA Project
GC Bid Form**



Date:	30-Nov-22
Submitted By:	L.J. Paoella Construction, Inc.
Contact Person	Larry Paoella, Jr., GM/PM
Contact Phone:	610-499-8950
Contact Email:	larry@lpinc.net

Having carefully examined the Drawings, Specifications, RFP Documents and Exhibits and all other documents which may be designated, or additions to the contract documents, as well as the premises and all existing conditions affecting the work, the undersigned proposes to furnish all materials, labor and services, transportation and equipment required for the satisfactory completion of the work for the said contract as described in said documents, exclusive of alternates and subject to adjustment as therein provided, for the sum listed below (Including all applicable taxes).

<u>#</u>	<u>Description</u>	<u>COST</u>	<u>Subs Carried</u>
1	Demolition	\$ -	
2	Miscellaneous Metals	\$ -	
3	Architectural Millwork	\$ -	
4	Doors/Frames/Hardware	\$ -	
5	Sprayed Fireproofing	\$ -	
8	Aluminum, Glass & Glazing	\$ -	
9	Interior Glazing Partition Systems	\$ -	
7	Carpentry	\$ -	
11	Framing Drywall	\$ -	
10	Acoustical Ceilings	\$ -	
13	Carpet, Resilient Flooring	\$ -	
14	Wood Flooring	\$ -	
12	Stone & Tile	\$ -	
15	Painting & Wall Covering	\$ -	
16	Misc. Specialties	\$ -	
17	Signage	\$ -	
18	Appliances	\$ -	
19	Window Treatments	\$ -	
20	Fire Protection	\$ -	
21	Plumbing	\$ -	
22	HVAC	\$ -	
23	Electrical	\$ -	
24	Fire Alarm	\$ -	
25	Security (race way)	\$ -	
26	Teledata & Audio/Visual (race way)	\$ -	
27	Special Requirements	\$ -	
28	General Requirements	\$ -	
29	Other	\$ -	
30	Other	\$ -	
31	TOTAL DIRECT WORK COST	\$ -	



Share Food Program
Holmes, PA Project



	Insurance	GC Bid Form	\$	-	food program
	Tax		\$	-	
	Construction Management Fee		\$	-	
	General Conditions		\$	-	
	Bonds		\$	-	
	TOTAL CONSTRUCTION COST		\$	-	
	Change Orders: Total Overall Percentage of Mark-Up on Change Orders ²		%		

Construction Time Estimate: _____ days

Undersigned agrees above Lump Sum is firm price bid including applicable taxes and is not subject to extras or escalator clauses.

Undersigned agrees to execute Contract for above work for the above Lump Sum provided that they be notified of acceptance of bid within sixty (60) days after time set for the receipt of bids. Undersigned agrees to execute contract and deliver it to Owner.

Undersigned agrees by submission of this bid, the bidder is the only interested party submitting this bid, that the contract Documents are incorporated herein, that there is no collusion and the bid will not be assigned without written consent of the Owner

Name of Entity: L.J. Paoella Construction, Inc. (Vendor name)

Form of Entity: Corporation

Name state under which incorporated: PENNSYLVANIA

Full name of each individual partner, if applicable: Lawrence J. Paoella, Sr., President
Melinda K. Paoella, Secr'y-Treas.

Authorized Representative and Title: Melinda K. Paoella, Secr'y-Treas.

I, as the authorized representative listed iabove, hereby certify that I am duly authorized to sign this Bid Form on behalf of the entity listed above and I have attached my electronic signature hereto with the acknowledgment that the terms of this Bid will be legally binding upon the entity listed as Bidder on the Project.

Electronic Signature: Melinda K. Paoella, Secr'y-Treas

**PROJECT TECHNICAL
SPECIFICATIONS**

**DELAWARE COUNTY WAREHOUSE
RENOVATION
SHARE FOOD PROGRAM**

101 Amosland Road
Holmes, Pa
19043

November 7, 2022

Architect
Woodcock Design
1518 Walnut St Ste 1308
Philadelphia, PA 19102

Structural Engineer
Structural Engineer
Bevan Lawson, Pe
2200 Arch Street
Philadelphia, PA 19103

Mep Engineer
Chestnut Engineering
2 E. Lancaster Pike
Suite F-2
Ardmore, PA 19003



WOODCOCK DESIGN
1518 WALNUT ST. SUITE 303
PHILADELPHIA, PA 19102
+1 267 738 0956
WOODCOCK-DESIGN.COM

ISSUED FOR BID

DIVISION 00 - BIDDING AND CONTRACT REQUIREMENTS

00 00 01	Notice to Contractors
00 00 02	List of Drawings
00 00 03	Noncollusion Affidavit
00 00 04	Instructions to Bidders
00 00 05	Bid Bond
00 00 06	Payment Bond
00 00 06	Performance Bond
00 00 07	General Contract Provisions
00 00 08	Supplemental Contract Provisions
00 00 10	Subcontractor Declaration Form
00 00 11	Change Orders
00 00 12	Affirmative Action Requirements
00 00 13	Equal Employment Specifications
00 00 14	Nondiscrimination Clause
00 00 15	Conflict of Interest Records and Audits
00 00 16	MBEWBE Outreach
00 00 17	Provision of Training Certification
00 00 18	Certification of Air and Water Acts Compliance
00 00 19	Affidavit Accepting Workman's Comp
00 00 20	Federal Labor Standards
00 00 21	Prevailing Wage Rates
00 00 22	Prime Contractors Questionnaire
00 0 023	MBEWBE Solicitation Statement
00 00 24	Subcontractors Questionnaire
00 00 25	Economic Opportunity Notification
00 00 26	Workforce Breakdown Form
00 00 27	Certification of Non-Segregated Facilities
00 00 29	Delco MBEWBE Directory
00 00 30	Certification of Compliance with Labor Standards

DIVISION 02 – EXISTING CONDITIONS

- 00 24 19 Selective Demolition
- 00 25 12 Asphalt Paving

DIVISION 03 – CONCRETE

- 03 30 00 Cast-in-place Concrete

DIVISION 05 – METALS

- 05 12 00 Structural Steel

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

- 07 21 00 Thermal Insulation
- 00 74 42 Thermoplastic Polyolefin (TPO) Roofing
- 07 62 00 Sheet Metal Flashing and Trim
- 00 79 20 Joint Sealants

DIVISION 08 – OPENINGS

- 08 11 13 Hollow Metal Doors and Frames
- 08 14 16 Flush Wood Doors
- 08 51 13 Aluminum Windows
- 08 62 00 Plastic Glazed Unit Skylights
- 08 62 50 Tubular Skylights
- 08 71 00 Door Hardware

DIVISION 09 – FINISHES

- 09 29 00 Gypsum Board
- 09 30 00 Ceramic Tile
- 09 91 13 Exterior Painting
- 09 91 23 Interior Painting

DIVISION 10 – SPECIALTIES

10 44 00 Fire Protection Specialties

10 44 40 Dock Shelter Equipment

DIVISION 12 – FURNISHINGS

12 35 30 Residential Casework

NOTICE TO CONTRACTORS

Sealed proposals for the Renovation of 101 Amosland Road will be received by upload to Dropbox until 12p.m., and then at 1p.m. will read aloud virtually via zoom. Zoom link to be provided with bid upload link upon request to be made no later than November 29, 2022.

Plans, Specification, and bid forms may be secured by emailing rfinlan@watchdogpm.com

Each bid must be accompanied by either a bid bond in an amount of five (5%)** of the bid amount with a surety satisfactory to the aforesaid or by certified check, cashiers check, or letter of credit upon a solvent bank in the amount of not less than five (5%) of the bid amount in favor of the aforesaid. Bid Bonds shall be accompanied by Proof of Authority of the official or agent signing the bond.

Bids shall be sealed and marked as Bid for 101 Amosland Road and emailed:

Rebecca Finlan
Watchdog Real Estate Management
2218 Race Street
Philadelphia, PA 19103
215-625-855
rfinlan@watchdogpm.com

Attention of bidders is called to all of the requirements contained in this bid packet, particularly to the application of the Davis-Bacon and Related Acts requirements, various insurance requirements, Section 3 Certification, various equal opportunity provisions, and the requirement of a payment bond and performance bond for 100% of the contract price.

No bidder may withdraw his bid within thirty (30) days after the actual date of the opening thereof. Share Food Program reserves the right to waive any informalities or to reject any or all bids.

01 – ARCHITECTURAL

- C-0 COVER SHEET
- D-1 SELECTIVE DEMOLITION PLANS
- A-1 FLOOR PLAN & DETAILS
- A-2 EXTERIOR ELEVATIONS
- A-3 REFLECTED CEILING, ROOF PLAN, & DETAILS

02 – STRUCTURAL

- S1 FOUNDATION PLAN
- S2 ROOF FRAMING PLAN

03 – MECHANICAL

- H-0 HVAC COVER SHEET
- H-1 HVAC DEMOLITION PLAN- GROUND FLOOR
- H-2 HVAC DEMOLITION PLAN – ROOF
- H-3 HVAC NEW WORK PLAN – GROUND FLOOR
- H-4 HVAC NEW WORK PLAN – ROOF
- H-7 HVAC SCHEDULES
- H-9 HVAC DETAILS

04 – ELECTRICAL AND FIRE PROTECTION

- E-0 ELECTRICAL COVER SHEET
- E-2 ELECTRICAL GROUND FLOOR DEMOLITION PLANS
- E-4 ELECTRICAL GROUND FLOOR NEW WORK PLANS
- E-5 ELECTRICAL ROOF NEW WORK POWER PLAN
- E-6 ELECTRICAL SINGLE LINE DIAGRAMS
- E-7 ELECTRICAL FIRE ALARM RISER DIGRAM & CUT SHEETS
- E-8 LIGHTING FIXTURE AND CONTROL SCHEDULES
- E-9 ELECTRICAL SCHEDULES

05 – PLUMBING

- P-0 PLUMBING COVER SHEET
- P-1 PLUMBING DEMOLITION PLAN – GROUND FLOOR
- P-2 PLUMBING NEW WORK PLAN – GROUD FLOOR- SANITARY
- P-3 PLUMBING NEW WORK PLAN – GROUND FLOOR – DOMESTIC
- P-9 PLUMBING SCHEDULES AND DETAILS

Commonwealth of Pennsylvania

BID Identification

CONTRACTOR _____, being first duly sworn, deposes and says that he is (sole owner, a partner, president, secretary, etc.) of the party making the foregoing BID; that such BID is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that such BID is genuine and not collusive or sham; that said BIDDER has not directly or indirectly induced or solicited any other BIDDER to put in a false or sham BID, and has not directly or indirectly colluded, conspired, connived, or agreed with any BIDDER or any one else to put in a sham BID, or that any one shall refrain from bidding; that said BIDDER has not in any manner, directly or indirectly, sought by agreement, communication or conference with any one to fix the BID price of said BIDDER or of any other BIDDER, or to fix any overhead, profit, or cost element of such BID price, or of that of any other BIDDER, or to secure any advantage against the OWNER awarding the contract or anyone interested in the proposed contract; that all statements contained in such BID are true; and, further, that said BIDDER has not, directly or indirectly, submitted his BID price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in connection therewith, to any corporation, partnership, company, association, organization, BID depository, or to any member or agent thereof, or to any other individual except to such person or persons as have a partnership or other financial interest with said BIDDER in his general business.

Signed:

Subscribed and sworn to before me this _day of __, 20__.

Seal of Notary

INSTRUCTIONS TO BIDDERS

RECEIPT AND OPENING OF BIDS: Share Food Program (herein called the "Owner"), invites bids on the form attached hereto, all blanks of which must be appropriately filled in. Bids will be received via dropbox until 12P.M., November 30, 2022, and then at 1P.M. at said office publicly opened and read aloud.

The Owner may consider informal any bid not prepared and submitted in accordance with the provisions hereof and may waive any informalities or reject any and all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within thirty (30) days after the actual date of the opening thereof.

PREPARATION OF BID: Each bid must be submitted on the prescribed form and accompanied by a Bid Bond, Certified Check, or Letter of Credit, the Non-collusion Affidavit, and Subcontractor Declaration Form. All blank spaces for bid prices must be completed, in both words and figures, and the foregoing Certifications must be fully completed and executed when submitted. In case of discrepancies of written words and figures, the prices written in words shall govern.

TELEGRAPHIC MODIFICATION: Any bidder may modify his/her bid by telegraphic communication at any time prior to the scheduled closing time for receipt of bids, provided such telegraphic communication is received by the Owner prior to the closing time, and, provided further, the Owner is satisfied that a written confirmation of the telegraphic modification over the signature of the bidder was mailed prior to the closing time. The telegraphic communication should not reveal the bid price, but should provide the addition or subtraction or other modification so that the final prices or terms will not be known by the Owner until the sealed bid is opened. If written confirmation is not received within two days from the closing time, no consideration will be given to the telegraphic modification.

METHOD OF BIDDING: The Owner invites unit price/lump sum price bids as indicated in the Bid Form, page.

If the lowest total responsive bid received exceeds the amount of funds available to finance the contract, the Owner may:

Reject all bids;

Augment the funds available in an amount sufficient to enable award to the lowest responsive bidder or bidders;

Take the base bid less the alternative deductible (if any) as listed on the proposal form as to produce a net amount which is within available funds.

QUALIFICATIONS OF BIDDER: The Owner may make such investigations as he/she deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

BID SECURITY: Each bid must be accompanied by cash, certified check of the bidder, or a bid bond prepared on the form of bid bond attached hereto, duly executed by the bidder as principal and having as surety thereon a surety company approved by the Owner. Such cash, checks or bid bonds will be returned to all except the three lowest bidders within three days after the opening of bids, and the remaining cash, checks or bid bonds will be returned promptly after the Owner and the accepted bidder have executed the contract, or, if no award has been made within **thirty (30) days** after the date of the opening of bids, upon demand of the bidder at any time thereafter, so long as he/she has not been notified of the acceptance of his/her bid. Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

LIQUIDATED DAMAGES FOR FAILURE TO ENTER INTO CONTRACT: The successful bidder, upon his/her failure or refusal to execute and deliver the contract and bonds required within ten (10) days after he/she has received notice of the acceptance of his/her bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with his/her bid.

CONDITIONS OF WORK: Each bidder must inform himself/herself fully to the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his/her obligation to furnish all material and labor necessary to carry out the provisions of his/her contract. Insofar as possible, the contractor in carrying out the work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor.

OBLIGATION OF BIDDER: At the time of the opening of bids each bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the plans and contract documents (including all addenda). The failure or omission of any bidder to examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect of his/her bid.

EXAMINATION OF SITE: Each bidder shall, and is hereby directed to inspect the entire site of the proposed work and judge for himself/herself as to all the circumstances affecting the cost and progress of the work and shall assume all patent and latent risks in connection therewith.

SOIL CONDITIONS: Subject to the convenience of the Owners, prospective bidders will be permitted to explore the site by making borings or digging test pits. In such event, the work shall be done at the sole expense and risk of the bidder, and he shall maintain and

restore the site to original condition.

The Owner does not guarantee the accuracy of any information or samples which it may have obtained from test borings or otherwise as to the kind or condition of the soil that may be encountered in the prosecution of the proposed work, neither does the Owner represent that the plans and specifications drawn are based upon any data so obtained. The Owner does not make any representation as to the soil which may be encountered or of soil or water which underlies the work or is adjacent thereto, including any difficulties that may be due to quicksand, or other unfavorable conditions that may be encountered in the work, whether apparent upon surface inspection or disclosed in the process of carrying forward the work.

WORKING FACILITIES: The plans show, in the general manner, the existing structures and the land available for construction purposes. The bidders must satisfy themselves of the conditions and difficulties that may be encountered in the execution of the work at this site.

ADDENDA AND INTERPRETATIONS: No official interpretation of the meaning of the plans, specifications or other pre-bid documents will be made to any bidder orally.

Every request for such interpretation should be in writing addressed to Rebecca Finlan (rfinlan@watchdogpm.com), per the instructions in the RFP. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be emailed with return receipt requested to all prospective bidders (at the respective addresses furnished for such purposes), not later than three (3) days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under his/her bid as submitted. All addenda so issued shall become part of the contract documents.

WATER SUPPLY: All water for construction purposed, as well as the expense of having water conveyed about the work, must be provided by the Contractor and the cost of this work shall be included in the unit prices stipulated for the various items of the work to be done under this contract.

The source, quality and quantity of water furnished shall at all times be satisfactory to the Engineer.

SIGNATURE OF BIDDERS: The firm, corporate or individual name of the bidder must be signed in ink in the space provided for the signatures on the proposed blanks. In the case of a corporation, the title of the officer signing must be stated and such officer must be thereunto duly authorized and the seal of said corporation duly affixed. In the case of a partnership, the signature of at least one of the partners must follow the firm name, using the term "member of the firm". In the case of an individual, use the terms "doing business as", or "sole owner". The bidder shall further state in his proposal the name and address of each person or corporation interested therein.

NOTICE OF SPECIAL CONDITIONS: Attention of the bidder is particularly called to those parts of the General Contract Conditions and other contract documents and specifications which deal with the following:

Insurance requirements

Davis Bacon and Related Acts Provisions, including Davis-Bacon Act wage rates

Requirement for a payment bond and performance bond for 100% of contract price

Requirement that all subcontractors be approved by the Owner

Time-for-completion and liquidated damages requirements

Safety standards

Contractor's responsibility to obtain permits

Affirmative Action and Equal Opportunity provisions

ADDITIONAL OBLIGATIONS UPON CONTRACT AWARD: Upon award of the contract but prior to issuance of the notice to proceed, the contractor shall submit all of the following documents, completed as required:

Acceptance of Notice of Award

Contract

Insurance certificate(s) and/or policy(ies)

Performance & Payment bonds

Subcontractor declaration form

Contractor's Section 3 Plan

(If over \$10,000:) Certification of Bidder Regarding Equal Employment Opportunity

(If over \$10,000:) Certification(s) by (all) Proposed Subcontractors Regarding Equal Employment Opportunity

Certification of Bidder Regarding Section 3 and Segregated Facilities

Certification(s) of (all) Proposed Subcontractor(s) Regarding Section 3 and Segregated Facilities

(If over \$100,000:) Certification by Contractor and Subcontractors of Compliance with Clean Air and Water Acts

Contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements

(All) Subcontractor's Certification(s) Concerning labor Standards and Prevailing Wage Requirements

ARTICLE 4 - AFFIRMATIVE ACTION

Each bidder, Contractor or Subcontractor (hereinafter the Contractor) must fully comply with Executive Order 11246, as stated in Section 0 0 0 0 1 2 of bid document, during the performance of this contract or sub-contract. The Contractor commits itself to the goals for minority manpower utilization in Section 0 0 0 0 1 2, as applicable, and all other requirements, terms and conditions of these bid conditions by submitting a properly signed bid.

The Contractor shall appoint a company executive to assume the responsibility of the Implementation of the requirements, terms and conditions of these bid conditions.

ARTICLE 5 - INSURANCE

The contractor shall not commence work under this contract until he/she has obtained all the insurance required hereunder and such insurance has been approved by the Owner, nor shall the Contractor allow any Subcontractor to commence work on his/her subcontract until similar insurance required of the Subcontractor has been so obtained and approved.

Approval of the insurance by the Owner shall not relieve or decrease the liability of the Contractor hereunder.

The Contractor shall file with the Owner all Certificate(s) of Insurance as are necessary to document the insurance coverage required hereunder, subject to the approval of the Owner and receipt of any additional forms/documentation requested, prior to final execution of Agreement Contract and issuance of the Notice to Proceed.

Worker's Compensation.

All contractors and subcontractors shall acquire and maintain, during the term of the contract, Worker's Compensation insurance in full compliance with the laws of the State of Pennsylvania. The contractor shall at all times indemnify and save harmless the Owner from all claims for worker's compensation which may be made by any of the employees of any subcontractor to whom the Contract may have let the performance of any part of the work embraced in this contract, and the Contractor will appear for and defend the Owner against any and all such claims.

Contractor's Liability Insurance.

The Contractor shall acquire and maintain during the term of the Contract Bodily Injury and Property Damage Liability Insurance under a standard Comprehensive General/Automobile Liability Policy which shall provide and include coverage on all Contractor's Operations, Contractor's Protective (Sublet) Liability, Contractual Liability, Completed Operations Liability, Owned Automobiles and Non-owned and Hired Automobiles.

Property Damage Liability Insurance shall be provided on any demolition, blasting, excavating, shoring or similar operation on an "if any" basis.

Bodily Injury Liability limits shall be for an amount of no less the Two Hundred and Fifty Thousand (\$250,000) Dollars for injuries, including wrongful death to any one person and subject to the same limit for each person, in amount of not less than Five Hundred Thousand (\$500,000) Dollars on the account of any one occurrence.

Property Damage Liability Insurance shall be in an amount of not less than One Hundred Thousand (\$100,000) Dollars per occurrence. General Liability shall be extended to provide "Broad Form Property Damage Liability," and in an amount of not less the One Million (\$1,000,000) dollars aggregate for damage on account of all occurrences.

Any combination of underlying Comprehensive General/Automobile Liability coverage with Umbrella/Excess Liability coverage which provides no less than One Million (\$1,000,000) Dollars Single Limit Bodily Injury & Property Damage Liability Insurance for the Contractor will also be acceptable.

The owner may adjust the liability limits to coincide with local government procurement policies and practice within the limits of state and local law.

Builder's Risk Insurance.

Each Contractor shall maintain insurance to protect himself and the Owner, jointly, from loss incurred by fire, lightning, extended coverage hazards, vandalism, theft, explosion and malicious mischief in the full amount of the Contract and such insurance shall cover all labor and materials connected with the work, including materials delivered to the site but not yet installed.

Installation Floater Insurance.

When a Contractor is involved solely in the installation of materials and not in the construction of a building, an Installation Floater is required in lieu of a Builder's Risk Policy with the same general conditions applying as set forth in paragraph E.

The Policies as listed above shall all contain the following special provisions:

"The Company agrees that thirty (30) days prior to cancellation or reduction of the insurance afforded by this policy with respect to the Contract involved, written notice will be mailed to the Share Food Program and Ridley Township."

The maintaining of such insurance as outlined herein shall in no way constitute a waiver of legal liability for damage to any adjoining buildings or their contents or the work and property of others on the site beyond the limits of insurance thus maintained. The Contractor shall hold the Owner free and harmless from any injury and damage resulting from the negligent or faulty performance of the Contract by the Contractor or by his/or her Subcontractors.

ARTICLE 6 - PENNSYLVANIA STEEL PRODUCTS PROCUREMENT ACT (NO. 1978-3)

If any steel products are to be used or supplied in the performance of the contract, only steel products produced in the United States shall be used or supplied in the performance of the contract or any subcontracts thereunder. This provision shall not apply in any case where the head of the public agency, in writing, determines that the type of steel products necessary to the performance of the contract are not produced in the United States in sufficient quantities to meet the requirements of the contract.

Each Contractor shall hold the Owner harmless from all payments for patents, either as royalty or otherwise, in the use of materials, methods, appliances, etc., that he may be in any way involved in or connected with any part of his work or the work of his Subcontractors.

Prior to commencement of any work under Contract, the Contractor shall furnish one (1) copy of Declaration of Insurance as evidence of coverage.

ARTICLE 7 - SAFETY

The Contractor will be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. He/She will take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury, or loss to all employees on the work and other persons who may be affected thereby, all the work and all materials or equipment to be incorporated therein, whether in storage on or off the site, and other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

The Contractor will erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety protection. He/She will notify owners of adjacent utilities when prosecution of the work may affect them.

The Contractor shall comply with the safety standards provisions of applicable laws, building and construction codes and the manual of Accident Prevention in Construction published by the Associated General Contractors of America, the requirements of the Occupational Safety and Health Act of 1970 (Public Law 91-596), and the requirements of Title 29 of the Code of Federal Regulations, Section 1518 as published in the "Federal Register" Volume 36, No. 75, Saturday, April 17, 1971.

The Contractor shall maintain at his/her office or other well known place at the job site, all articles necessary for giving first aid to the injured, and shall make standing arrangements for the immediate removal to a hospital or a doctor's care of persons (including employees) who may be injured at the job site. In no case shall employees be permitted to work at a job site before the employer has made a standing arrangement for removal of injured persons to a hospital or a doctor's care.

Lights, signs and barricades shall be used to maintain traffic and safety for vehicular and pedestrian traffic during the course of this contract in accordance with the specifications.

ARTICLE 8 - PERMITS

The Owner is responsible for obtaining and paying for the following permits: N/A. The Contractor is responsible for obtaining and paying for all other necessary permits and Licenses from the proper authorities. The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the Contract Documents are at variance therewith, he/she shall promptly notify the Owner in writing.

ARTICLE 9 - SUPERVISION

The Contractor will supervise and direct the work. He/She will be solely responsible for the means, methods, techniques, sequences, and procedures of construction. The Contractor will employ and maintain on the work a qualified supervisor or superintendent who shall have been designated in writing by the Contractor as the Contractor's representative at the site. The Supervisor shall have full authority to act on behalf of the Contractor and communications given to the supervisor shall be as binding as if given to

the Contractor. The supervisor shall be present and on the site at all times as required to perform adequate supervision and coordination of the work.

The Owner and its representatives will at all times have access to the work. In addition, authorized representatives and agents of any participating federal or County agency shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the work and also for any inspection or testing thereof.

The Contractor shall submit a proposed program of operation, showing clearly how he/she proposed to conduct the work as to bring about the completion of his/her work within the time limit specified. This program shall outline the proposed sequence of operations, the rates of progress and the dates when his/her work will be sufficiently advanced to permit the installation of the work under other contracts, and the estimated progress payments due under the Contract. The work under this contract shall be so scheduled that as structures are completed, they can be placed into useful operation with a minimum of delay. The program shall be subject to the approval of the Owner.

All construction as proposed along all City, Township, County, State and Federal roads including storage and stockpiling of materials, is to be conducted within the limits of the public right-of-way. Bracing, sheeting and shoring shall be used to keep all construction work within the construction limits unless work agreements are secured from the adjacent property Owners. It is the Contractor's responsibility to secure these work agreements, if deemed necessary. Copies of the work agreements shall be delivered to the Engineer and the Owner prior to any work beginning on the effected property.

ARTICLE 10 - CLAIMS AGAINST CONTRACTOR

The Contractor shall indemnify and save the Owner or the owner's agents harmless from all claims growing out of the lawful demands of Subcontractor's laborers, workmen, mechanics, material men, and furnishers of machinery and parts thereof, equipment, tools, and all supplies, incurred in the furtherance of the performance of the work. The Contractor shall, at the Owner's request, furnish satisfactory evidence that all obligations of the nature designated above have been paid, discharged or waived. If the Contractor fails to do so the Owner may, after having notified the Contractor, either pay unpaid bills or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is fully finished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of the Contract Documents, but in no event shall the provisions of this sentence be construed to impose any obligations upon the Owner to either the Contractor, his Surety, or any third party. In paying any unpaid bills of the Contractor, any payment so made by the Owner shall be considered as a payment made under the Contract Documents by the owner to the Contractor and the Owner shall not be liable to the Contractor for any such payments in good faith.

ARTICLE 11 - SUBCONTRACTING

Neither the Contractor nor the owner shall sell, transfer, assign, or otherwise dispose of the

Contract or any portion thereof, or of his right, title, or interest therein, or his obligations thereunder.

The Contractor shall not sublet, sell, transfer or assign any portion of the contract without consent of the Owner or his/her designated agent. No subcontract, or transfer of contract, shall in any way release the Contractor of his/her liability under the contract and bonds.

The Contractor shall not award work to Subcontractor(s) not identified on the Subcontractors Declaration Form as submitted with bid, without Prior approval of the Owner Verification by the Delaware County Office of Housing and Community Development of the Subcontractor's current eligibility status Submission of all certifications as required in the INSTRUCTIONS TO BIDDERS. The Contractor shall be fully responsible to the Owner for the acts and omissions of the subcontractor(s), and of persons, either directly or indirectly employed by them, as he/she is for the acts and omissions of persons directly employed by him/her.

ARTICLE 12 - CHANGE OF WORK

The Owner reserves the right to make, at any time during the progress of the work, such increases or decreases in quantities and such alterations in details of work as may be deemed necessary or desirable. Such increases or decreases and alterations shall not invalidate the contract nor release the surety, and the Contractor agrees to perform the work as altered, the same as if it had been a part of the original contract.

Authorized alterations in plans or quantities of work involving work not covered by unit prices in the proposal shall be paid for as stipulated in the change order authorizing such work.

No changes in work covered by the approved Contract shall be made without having prior written approval of the County.

ARTICLE 13 - TIME

The Date of beginning and the time for completion of the work are essential conditions of the Contract Documents and the work embraced shall be commenced on a date specified in the Notice to Proceed.

The Contractor will proceed with the work at such rate of progress to ensure full completion within the Contract Time. It is expressly understood and agreed, by and between the Contractor and the Owner, that the Contract Time for the completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.

The Contract Time to fully complete the project shall be consecutive calendar days following the date of commencement of work to be specified in a written "Notice to Proceed".

If the Contractor shall fail to complete the work within the Contract Time, or extension of time

granted by the Owner, the Contractor will pay to the Owner for liquidated damages N/A _____ for each calendar day that the Contractor shall be in default after the time stipulated in the Contract Documents.

ARTICLE 14 - COMPLETION OF WORK

The Contractor shall guarantee all materials and equipment furnished and work performed for a period of one year from the date of Substantial Completion. The Contractor warrants and guarantees for a period of one year from the date of Substantial Completion of the improvement that it is free from all defects due to faulty materials or workmanship, and the Contractor shall promptly make corrections as may be necessary by reason of such defects. The owner will give notice of observed defects with reasonable promptness. In the event that the Contractor should fail to make repairs, adjustments, or other work, which may be made necessary by such defects, the Owner may do so and charge the Contractor the cost thereby incurred. The Contract Bond shall remain in full force and effect through the guarantee period.

When the work, including that performed by Subcontractors, is completed, the site shall be cleaned of all rubbish and debris caused by the construction. All sheds or other temporary structures, surplus materials, and equipment shall be removed and the project left in a neat and presentable condition.

ARTICLE 15 - TERMINATION

After ten (10) days from delivery of a Written Notice to the Contractor, the Owner may, without cause and without prejudice to any other right or remedy elects to terminate the Contract. In such case the Contractor shall be paid for all work executed and any expense sustained plus reasonable profit, unless such termination was due to the act or conduct of the Contractor.

ARTICLE 16 - PAYMENT

Payment to the Contractor shall be made by the Delaware County Office of Housing and Community Development (OHCD) upon receiving invoice from contractor and inspection of work completed. The Owner's representative and the project engineer shall certify on the pay request that the completed work has been approved prior to the submission of the invoice. Retainage to be held should be reflected by the engineer/architect on the contractor's original invoice. A turn-around time of 3-4 weeks is expected before said funds are forwarded to the contractor.

It is important that the progress schedule be based on achievable goals, and that the Contractor makes every effort to meet target dates. OHCD may hold the pay request, or a portion of the pay request, in cases where the Contractor is found to be in violation of any of the terms and conditions in this contract, e.g. federal labor standards compliance, until such violations are corrected.

KNOW ALL MEN BY THESE PRESENTS, that we, _____
of _____,
as PRINCIPAL and _____ a corporation incorporated under the laws of the
State of _____ as Surety, are held and firmly bond
unto the _____ in the full and just sum
of _____ (\$ _____) dollars, lawful money of the United States
of America, to be paid to the said _____ or its assigns, to which payment well and truly to be
made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and
severally, firmly by these presents.

WHEREAS, the above bounden Principal has entered into a contract with the above, hereinafter called
Obligee, bearing even date herewith, for the improvement of:

For the sum of: _____ (_____ dollars and _____ cents).

NOW, THEREFORE, the condition of this obligation is such that the above bounden PRINCIPAL
shall and will promptly pay cause to be paid in full all sums of money which may be due by contractor or
otherwise, to any individual, firm, partnership, association or corporation, for all material furnished or
labor supplied or performed in the prosecution of the work, whether or not the said material or labor
entered into and became component parts of the work and for rental of the equipment used and services
rendered by public utilities in, or in connection with the prosecution of such work, then this obligation
to be void, otherwise to remain in full force and effect.

THE PRINCIPAL and SURETY, hereby, jointly and severally, agree with the Obligee herein that any
individual firm, partnership, association or corporation, which has performed labor or furnished material
in the prosecution of the work as provided, and any public utility which has not been paid in full
therefore, may sue in assumpsit on this Payment Bond, in his, their, or its own name and may
prosecute the same to final judgment for such sum or sums as may be justly due him, them or it, and
have execution thereon. Provided, however, that the Obligee shall not be liable for the payment of any
costs of expenses of such suit.

RECOVERY by any individual, firm, partnership, association or corporation hereunder shall be subject
to the provisions of the "Public Works Contractor's Bond Law of 167", Act No. 385, approved
December 20, 1967, P.L. 869, which Act shall be incorporated herein and made a part hereof, as fully
and completely as though its provisions were fully and at length herein recited.

It is further provided that any alteration which may be made in the terms of the contract or its work to be
done or materials to be furnished or labor to be supplied or performed under it or the giving by the
Obligee of any extension of time for the performance of the contract or any other forbearance on the part
of either the Obligee or the Principal to the other, shall not in any way release the PRINCIPAL and the
SURETY or SURETIES of any such alteration, extension or forbearance being hereby waived.

IN WITNESS WHEREOF, the said PRINCIPAL and SURETY have duly executed this Bond under seal
The _____ day of _____.

_____, 20_____.

WITNESS:

PLACE
SEAL HERE

Contractor

Title:

Title

:

WITNESS:

PLACE
SEAL HERE

Surety Company

Title:

Title:

PERFORMANCE BOND
(With Corporate Surety)

KNOW ALL MEN BY THESE PRESENTS, that we, ____
(Name and Address of Contractor)

as Principal and _____ (Surety Company)

a corporation incorporated under the laws of the State of _as Surety.
(Name of State)

are held and firmly bound unto _in _____(Name of Contract Owner)

the full and just sum of _(\$_____) dollars lawful money of the United States of America, to be paid to the above Owner or its assigns, to which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above bounden Principal has entered into a contract with the above Municipality, bearing even date herewith, for the undertaking of certain obligations as therein set forth.

NOW, THEREFORE, the condition of this obligation is such that if the above bounden Principal, as Contractor, shall in all respects comply with and faithfully perform the terms and conditions of said Contract, including the Specifications and conditions referred to and made a part thereof, and such alterations as may be made in said specifications as therein set forth, then this Obligation shall be void, but otherwise the same shall be and remain in full force, virtue and effect.

It is further provided that any alteration which may be made in the terms of the contract or its specifications with the express approval of the Municipality or the Principal to the other, shall not in any way release the Principal and the Surety or either of any of them, their heirs, executors, administrators, successors or assigns from their liability hereunder, notice to the Surety of any such alteration or forbearance being hereby waived.

IN WITNESS WHEREOF, the said Principal and Surety have duly executed this Bond under Seal, pursuant to due and legal action authorizing the same to be done on _____.

(Date of Bond)

Attest/Witness: _____

PLACE

Contractor _____

SEAL HERE

Title: Title:

Attest/Witness: _____

PLACE Surety Company

SEAL HERE

Title: Title:

ARTICLE 1 - CONTRACT AND CONTRACT DOCUMENTS

The project to be constructed pursuant to this contract will be financed with assistance from the Department of Housing and Urban Development and is subject to all applicable Federal laws and regulations.

All applicable State laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

The Plans, Specifications and Addenda, hereinafter enumerated in Paragraph 1 of the Supplemental General Conditions shall form part of this Contract and the provisions thereof shall be as binding upon the parties hereto as if they were herein fully set forth. The table of contents, titles, headings, running headlines and marginal notes contained herein and in said documents are solely to facilitate reference to various provisions of the Contract Documents and in no way affect, limit or cast light on the interpretation of the provisions to which they refer.

ARTICLE 2 - PERFORMANCE AND PAYMENT BONDS

Simultaneously with his/her delivery of the executed contract, the Contractor shall furnish a surety bond or bonds as security for faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract, as specified in the General Conditions included herein. The surety on such bond or bonds shall be a duly authorized surety company satisfactory to the Owner. The bond shall be for 100 percent of the contract price. A Payment Bond and Performance Bond are required. Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney. Under certain conditions, and within the limits of State and local laws and regulations, the Owner may waive the requirement that the Payment and Performance Bond be underwritten by a surety company and may authorize in lieu thereof, a personal bond backed by a letter of credit from a local lending institution for the full value of the Contract.

ARTICLE 3 - WAGE RATES

In the event that the rate of wages paid for any trade or occupant in the locality where such work is being performed are under current collective agreements or understandings between bona fide organizations of labor and employer, then the wages to be paid shall be not less than such agreed wage rates, nor less than the minimum rates compiled by the Federal Labor Standard Provision. A copy of these prevailing rates of wages has been included in these specifications.

Every Contractor and Subcontractor who is subject to this contract shall, as soon as he/she begins performance under his/her contract with the Owner, supply the Owner a schedule of the dates on which he/she is required to pay wages to employees. After construction begins he/she shall also deliver to the prevailing wage coordinator a weekly, a certified copy of his/her payroll which shall exhibit for each employee paid any wages, name, current address, identification number, number of hours worked each day of the pay period and the total for each week, hourly rate of pay, job classification, fringe payments, and deductions from wages. The certification of each payroll shall be executed by the Contractor, Subcontractor,

or duly appointed agent thereof and shall recite that the payroll is correct and complete and that the wage rate shown is not less than those required by the contract.

ARTICLE 4 - AFFIRMATIVE ACTION

Each bidder, Contractor or Subcontractor (hereinafter the Contractor) must fully comply with Executive Order 11246, as stated in Section ____ of bid document, during the performance of this contract or sub-contract. The Contractor commits itself to the goals for minority manpower utilization in Section ____, as applicable, and all other requirements, terms and conditions of these bid conditions by submitting a properly signed bid.

The Contractor shall appoint a company executive to assume the responsibility of the Implementation of the requirements, terms and conditions of these bid conditions.

ARTICLE 5 - INSURANCE

The contractor shall not commence work under this contract until he/she has obtained all the insurance required hereunder and such insurance has been approved by the Owner, nor shall the Contractor allow any Subcontractor to commence work on his/her subcontract until similar insurance required of the Subcontractor has been so obtained and approved. Approval of the insurance by the Owner shall not relieve or decrease the liability of the Contractor hereunder.

The Contractor shall file with the Owner all Certificate(s) of Insurance as are necessary to document the insurance coverage required hereunder, subject to the approval of the Owner and receipt of any additional forms/documentation requested, prior to final execution of Agreement Contract and issuance of the Notice to Proceed.

Worker's Compensation: All contractors and subcontractors shall acquire and maintain, during the term of the contract, Worker's Compensation insurance in full compliance with the laws of the State of Pennsylvania. The contractor shall at all times indemnify and save harmless the Owner from all claims for worker's compensation which may be made by any of the employees of any subcontractor to whom the Contract may have let the performance of any part of the work embraced in this contract, and the Contractor will appear for and defend the Owner against any and all such claims.

Contractor's Liability Insurance.

The Contractor shall acquire and maintain during the term of the Contract Bodily Injury and Property Damage Liability Insurance under a standard Comprehensive General/Automobile Liability Policy which shall provide and include coverage on all Contractor's Operations, Contractor's Protective (Sublet) Liability, Contractual Liability, Completed Operations Liability, Owned Automobiles and Non-owned and Hired Automobiles.

Property Damage Liability Insurance shall be provided on any demolition, blasting, excavating, shoring or similar operation on an "if any" basis.

Bodily Injury Liability limits shall be for an amount of no less the Two Hundred and Fifty Thousand (\$250,000) Dollars for injuries, including wrongful death to any one person and subject to the same limit for each person, in amount of not less than Five Hundred Thousand (\$500,000) Dollars on the account of any one occurrence.

Property Damage Liability Insurance shall be in an amount of not less than One Hundred Thousand (\$100,000) Dollars per occurrence. General Liability shall be extended to provide "Broad Form Property Damage Liability," and in an amount of not less the One Million (\$1,000,000) dollars aggregate for damage on account of all occurrences.

Any combination of underlying Comprehensive General/Automobile Liability coverage with Umbrella/Excess Liability coverage which provides no less than One Million (\$1,000,000) Dollars Single Limit Bodily Injury & Property Damage Liability Insurance for the Contractor will also be acceptable.

The owner may adjust the liability limits to coincide with local government procurement policies and practice within the limits of state and local law.

Builder's Risk Insurance.

Each Contractor shall maintain insurance to protect himself and the Owner, jointly, from loss incurred by fire, lightning, extended coverage hazards, vandalism, theft, explosion and malicious mischief in the full amount of the Contract and such insurance shall cover all labor and materials connected with the work, including materials delivered to the site but not yet installed.

Installation Floater Insurance.

When a Contractor is involved solely in the installation of materials and not in the construction of a building, an Installation Floater is required in lieu of a Builder's Risk Policy with the same general conditions applying as set forth in paragraph E.

The Policies as listed above shall all contain the following special provisions:

"The Company agrees that thirty (30) days prior to cancellation or reduction of the insurance afforded by this policy with respect to the Contract involved, written notice will be mailed to the ____."

The maintaining of such insurance as outlined herein shall in no way constitute a waiver of legal liability for damage to any adjoining buildings or their contents or the work and property of others on the site beyond the limits of insurance thus maintained. The Contractor shall hold the Owner free and harmless from any injury and damage resulting from the negligent or faulty performance of the Contract by the Contractor or by his/or her Subcontractors.

ARTICLE 6 - PENNSYLVANIA STEEL PRODUCTS PROCUREMENT ACT (NO. 1978-3)

If any steel products are to be used or supplied in the performance of the contract, only steel products produced in the United States shall be used or supplied in the performance of the contract or any subcontracts thereunder. This provision shall not apply in any case where the head of the public agency, in writing, determines that the type of steel products necessary to the performance of the contract are not produced in the United States in sufficient quantities to meet the requirements of the contract.

Each Contractor shall hold the Owner harmless from all payments for patents, either as royalty or otherwise, in the use of materials, methods, appliances, etc., that he may be in any way involved in or connected with any part of his work or the work of his Subcontractors.

Prior to commencement of any work under Contract, the Contractor shall furnish one (1) copy of Declaration of Insurance as evidence of coverage.

ARTICLE 7 - SAFETY

The Contractor will be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. He/She will take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury, or loss to all employees on the work and other persons who may be affected thereby, all the work and all materials or equipment to be incorporated therein, whether in storage on or off the site, and other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

The Contractor will erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety protection. He/She will notify owners of adjacent utilities when prosecution of the work may affect them.

The Contractor shall comply with the safety standards provisions of applicable laws, building and construction codes and the manual of Accident Prevention in Construction published by the Associated General Contractors of America, the requirements of the Occupational Safety and Health Act of 1970 (Public Law 91-596), and the requirements of Title 29 of the Code of Federal Regulations, Section 1518 as published in the "Federal Register" Volume 36, No. 75, Saturday, April 17, 1971.

The Contractor shall maintain at his/her office or other well known place at the job site, all articles necessary for giving first aid to the injured, and shall make standing arrangements for the immediate removal to a hospital or a doctor's care of persons (including employees) who may be injured at the job site. In no case shall employees be permitted to work at a job site before the employer has made a standing arrangement for removal of injured persons to a hospital or a doctor's care. Lights, signs and barricades shall be used to maintain traffic and safety for vehicular and pedestrian traffic during the course of this contract in accordance with the specifications.

ARTICLE 8 - PERMITS

The Owner is responsible for obtaining and paying for the following permits: N/A. The Contractor is responsible for obtaining and paying for all other necessary permits and Licenses from the proper authorities. The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the Contract Documents are at variance therewith, he/she shall promptly notify the Owner in writing.

ARTICLE 9 - SUPERVISION

The Contractor will supervise and direct the work. He/She will be solely responsible for the means, methods, techniques, sequences, and procedures of construction. The Contractor will employ and maintain on the work a qualified supervisor or superintendent who shall have been designated in writing by the Contractor as the Contractor's representative at the site. The Supervisor shall have full authority to act on behalf of the Contractor and communications given to the supervisor shall be as binding as if given to the Contractor. The supervisor shall be present and on the site at all times as required to perform adequate supervision and coordination of the work.

The Owner and its representatives will at all times have access to the work. In addition, authorized representatives and agents of any participating federal or County agency shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the work and also for any inspection or testing thereof.

The Contractor shall submit a proposed program of operation, showing clearly how he/she proposed to conduct the work as to bring about the completion of his/her work within the time limit specified. This program shall outline the proposed sequence of operations, the rates of progress and the dates when his/her work will be sufficiently advanced to permit the installation of the work under other contracts, and the estimated progress payments due under the Contract. The work under this contract shall be so scheduled that as structures are completed, they can be placed into useful operation with a minimum of delay. The program shall be subject to the approval of the Owner.

All construction as proposed along all City, Township, County, State and Federal roads including storage and stockpiling of materials, is to be conducted within the limits of the public right-of-way. Bracing, sheeting and shoring shall be used to keep all construction work within the construction limits unless work agreements are secured from the adjacent property Owners. It is the Contractor's responsibility to secure these work agreements, if deemed necessary. Copies of the work agreements shall be delivered to the Engineer and the Owner prior to any work beginning on the effected property.

ARTICLE 10 - CLAIMS AGAINST CONTRACTOR

The Contractor shall indemnify and save the Owner or the owner's agents harmless from all claims growing out of the lawful demands of Subcontractor's laborers, workmen, mechanics, material men, and furnishers of machinery and parts thereof, equipment, tools, and all supplies, incurred in the furtherance of the performance of the work. The Contractor shall, at the Owner's request, furnish satisfactory evidence that all obligations of the nature designated above have been paid, discharged or waived. If the Contractor fails to do so the Owner may, after having notified the Contractor, either pay unpaid bills or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is fully finished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of the Contract Documents, but in no event shall the provisions of this sentence be construed to impose any obligations upon the Owner to either the Contractor, his Surety, or any third party. In paying any unpaid bills of the Contractor, any payment so made by the Owner shall be considered as a payment made under the Contract Documents by the owner to the Contractor and the Owner shall not be liable to the Contractor for any such payments in good faith.

ARTICLE 11 - SUBCONTRACTING

Neither the Contractor nor the owner shall sell, transfer, assign, or otherwise dispose of the Contract or any portion thereof, or of his right, title, or interest therein, or his obligations thereunder.

The Contractor shall not sublet, sell, transfer or assign any portion of the contract without consent of the Owner or his/her designated agent. No subcontract, or transfer of contract, shall in any way release the Contractor of his/her liability under the contract and bonds.

The Contractor shall not award work to Subcontractor(s) not identified on the Subcontractors Declaration Form as submitted with bid, without
Prior approval of the Owner
Verification by the Delaware County Office of Housing and Community Development of the Subcontractor's current eligibility status
Submission of all certifications as required in the INSTRUCTIONS TO BIDDERS. The Contractor shall be fully responsible to the Owner for the acts and omissions of the subcontractor(s), and of persons, either directly or indirectly employed by them, as he/she is for the acts and omissions of persons directly employed by him/her

ARTICLE 12 - CHANGE OF WORK

The Owner reserves the right to make, at any time during the progress of the work, such increases or decreases in quantities and such alterations in details of work as may be deemed necessary or desirable. Such increases or decreases and alterations shall not invalidate the contract nor release the surety, and the Contractor agrees to perform the work as altered, the same as if it had been a part of the original contract.

Authorized alterations in plans or quantities of work involving work not covered by unit prices in the proposal shall be paid for as stipulated in the change order authorizing such work.

No changes in work covered by the approved Contract shall be made without having prior written approval of the County.

ARTICLE 13 - TIME

The Date of beginning and the time for completion of the work are essential conditions of the Contract Documents and the work embraced shall be commenced on a date specified in the Notice to Proceed.

The Contractor will proceed with the work at such rate of progress to ensure full completion within the Contract Time. It is expressly understood and agreed, by and between the Contractor and the Owner, that the Contract Time for the completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.

The Contract Time to fully complete the project shall be consecutive calendar days following the date of commencement of work to be specified in a written "Notice to Proceed".

If the Contractor shall fail to complete the work within the Contract Time, or extension of time granted by the Owner, the Contractor will pay to the Owner for liquidated damages ____ for each calendar day that the Contractor shall be in default after the time stipulated in the Contract Documents.

ARTICLE 14 - COMPLETION OF WORK

The Contractor shall guarantee all materials and equipment furnished and work performed for a period of one year from the date of Substantial Completion. The Contractor warrants and guarantees for a period of one year from the date of Substantial Completion of the improvement that it is free from all defects due to faulty materials or workmanship, and the Contractor shall promptly make corrections as may be necessary by reason of such defects. The owner will give notice of observed defects with reasonable promptness. In the event that the Contractor should fail to make repairs, adjustments, or other work, which may be made necessary by such defects, the Owner may do so and charge the Contractor the cost thereby incurred. The Contract Bond shall remain in full force and effect through the guarantee period.

When the work, including that performed by Subcontractors, is completed, the site shall be cleaned of all rubbish and debris caused by the construction. All sheds or other temporary structures, surplus materials, and equipment shall be removed and the project left in a neat and presentable condition.

ARTICLE 15 - TERMINATION

After ten (10) days from delivery of a Written Notice to the Contractor, the Owner may, without cause and without prejudice to any other right or remedy elects to terminate the Contract. In such case the Contractor shall be paid for all work executed and any expense sustained plus reasonable profit, unless such termination was due to the act or conduct of the Contractor.

ARTICLE 16 - PAYMENT

Payment to the Contractor shall be made by the Delaware County Office of Housing and Community Development (OHCD) upon receiving invoice from contractor and inspection of work completed. The Owner's representative and the project engineer shall certify on the pay request that the completed work has been approved prior to the submission of the invoice. Retainage to be held should be reflected by the engineer/architect on the contractor's original invoice. A turn-around time of 3-4 weeks is expected before said funds are forwarded to the contractor.

It is important that the progress schedule be based on achievable goals, and that the Contractor makes every effort to meet target dates. OHCD may hold the pay request, or a portion of the pay request, in cases where the Contractor is found to be in violation of any of the terms and conditions in this contract, e.g. federal labor standards compliance, until such violations are corrected.

00009 SUPPLEMENTAL CONTRACT PROVISIONS

The Contractor shall either (1) require each of his/her subcontractors to procure and to maintain during the life of his/her subcontract, Subcontractor's Public Liability and Property Damage of the type and in the same amounts as specified in the preceding paragraph, or (2) insure the activities of his/her subcontractors in his/her own policy.

PHOTOGRAPHS OF PROJECT

The Contractor will furnish photographs in the number, type, and stage as enumerated below:

Photos at the beginning of the project prior to construction start

Photos at 50% completion

Photos at Substantial Completion prior to punchlist list

Photos at Final Completion

SCHEDULE OF FEDERAL OCCUPATIONAL CLASSIFICATIONS AND DAVIS-BACON MINIMUM HOURLY WAGE RATES

Given on pages: See TABLE OF CONTENTS

BUILDER'S RISK INSURANCE

The Contractor will/will not* maintain Builder's Risk Insurance (fire and extended coverage) on a 100 percent completed value basis on the insurable portions of the project for the benefit of the Owner, the Contractor, and all subcontractors, as their interests may appear.

COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM- CONTRACT CHANGE ORDER

Contract No. _____
 Change Order No. _____

Date _____
 Project No. _____

To: (Contractor) _____

You are hereby requested to comply with the following changes from the contract plans and specifications:

ITEM NO. (1)	DESCRIPTION OF CHANGES – QUANTITIES, UNIT, UNIT PRICES, CHANGE IN COMPLETION SCHEDULE, ETC. (2)	DECREASE IN CONTRACT PRICE (3)	INCREASE IN CONTRACT PRICE (4)
	Change in contract price due to this change order	\$	\$
	Total decrease	\$	\$
	Total increase	\$	\$
	Difference between Columns (3) and (4)	\$	\$
	Net (increase) (decrease) contract price	\$	\$

The sum of \$_____ is hereby added to, deducted from, the total contract price and the total adjusted price to date thereby is \$_.

The time provided for completion in the contract is unchanged, increased, decreased, by ___ calendar days. This document shall become an amendment to the contract and all provisions of the contract will apply hereto.

Accepted by: _____

Owner _____ Date _____

Recommended by: _____

Approved by: _____

Note: Work performed under this change order prior to County concurrence is at owner's risk. County concurrence will be evidenced by signature of OHCD Director (or where necessary, designated OHCD Staff).

000012 AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY CONTRACT PROVISIONS

CONSTRUCTION CONTRACTOR'S FEDERAL AFFIRMATIVE ACTION REQUIREMENTS

The following notice shall be included in, and shall be a part of, all solicitations for offers and bids on all Federal and Federally-assisted construction contracts or subcontracts in excess of \$10,000 to be performed in Delaware County: NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246).

1. The Offeror's or Bidder's attention is called to the "Non Discrimination Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

The goals and timetables for minority and female participation, expressed in percentage terms for the CONTRACTOR'S aggregate workforce in each trade on all construction work in the covered area, are as follows:

Female Participation:

Goals (percent)

6.9

Minority Participation:

Goals (percent)

17.3

2. These goals are applicable to all the CONTRACTOR'S construction work (whether or not it is Federal or Federally-assisted) performed in the covered area.
3. The CONTRACTOR'S compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, his/her efforts to meet the goals established for the geographical area where the contracts resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the Contract, in each trade, and the CONTRACTOR shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from CONTRACTOR to CONTRACTOR or from project to project for the sole purpose of meeting the CONTRACTOR goals shall be a violation of the Contract, the Executive Order and the regulations of 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.
4. The CONTRACTOR shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the Contract resulting from this solicitation. The notification shall list the name, address and telephone number of the Subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the Contract is to be performed.
5. As used in this Notice, and in the Contract resulting from this solicitation, the "covered area" is Delaware County

000012 AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY CONTRACT PROVISIONS

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS

(EXECUTIVE ORDER 11246)

As used in these specifications:

- A. "Covered Area" means the geographical area described in the solicitation from which this Contract resulted.
- B. "Director" means Director, Office of Federal contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority.
- C. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941.
- D. "Minority" includes:
 - a. Black (all persons having origins in any of the black African racial groups not of Hispanic origin);
 - b. Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - c. Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Island); and
 - d. American Indian or Alaska native (all persons having origins in any of the original peoples of North America maintaining identifiable tribal affiliations through membership and participation or community identification.
- E. Whenever the CONTRACTOR, or subcontractor at any tier, subcontracts any portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000, the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this Contract resulted.
- F. If the CONTRACTOR is participating (pursuant to 41 CFR 60-4.5) in any Hometown Plan approved by the U. S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. CONTRACTOR must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each CONTRACTOR or subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO Clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other CONTRACTOR or subcontractors toward a goal in an approved Plan does not excuse any covered CONTRACTOR'S or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

000012 AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY CONTRACT PROVISIONS

- G. The CONTRACTOR shall implement the specific affirmative action standards provided in Paragraphs 7A through P of these specification. The goals set forth in the solicitation from which this Contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the CONTRACTOR shall reasonably be able to achieve in each construction trade in which it has employees in the covered area. The CONTRACTOR is expected to make substantially uniform progress toward its goals in each craft during the period specified.
- H. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the CONTRACTOR has a collective bargaining agreement, to refer either minorities or women shall execute the CONTRACTOR'S obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
- I. In order for the nonworking training hours of apprentices and trained to be counted in meeting the goals, such apprentices and trainees must be employed by the CONTRACTOR during the training period, and the CONTRACTOR must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
- J. The CONTRACTOR shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be used upon its effort to achieve maximum results from its actions. The CONTRACTOR shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
- (i) Ensure and maintain a working environment free of harassment, intimidation and coercion at all sites, and in all facilities at which the CONTRACTOR'S employees are assigned to work. The CONTRACTOR, where possible, will assign two or more women to each construction project. The CONTRACTOR shall specifically ensure that all foremen, superintendents and other on site supervisory personnel are aware of and carry out the CONTRACTOR's obligation to maintain such working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - (ii) Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when CONTRACTOR or its unions have employment opportunities available and maintain a record of the organizations responses.
 - (iii) Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was referred back to the CONTRACTOR by the union or, if referred, not employed by the CONTRACTOR, this shall be documented in the file with the reason therefore; along with whatever additional actions the CONTRACTOR may have taken.
 - (iv) Provide immediate written notification to the Director when the union or unions with which the CONTRACTOR has a collective bargaining agreement has not referred to

000012 AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY CONTRACT PROVISIONS

the CONTRACTOR a minority person or woman sent by the CONTRACTOR, or when the CONTRACTOR has other information that the union referral process has impeded the CONTRACTOR's efforts to meet its obligations.

- (v) Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the CONTRACTOR's employment needs, especially those programs funded or approved by the Department of Labor. The CONTRACTOR shall provide notice of these programs to the sources compiled under 7B above.
- (vi) Disseminate the CONTRACTOR's EEO policy by providing notice of policy to unions and training programs and requesting their cooperation in assisting the CONTRACTOR in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement, by publicizing it in the company newspaper annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location when construction work is performed.
- (vii) Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on site supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings and persons attending, subject matter discussed and disposition of the subject matter.
- (viii) Disseminate the CONTRACTOR'S EEO policy externally by including in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the CONTRACTOR'S EEO policy with other CONTRACTORS and subcontractors with whom the CONTRACTOR does or anticipates doing business.
- (ix) Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority female recruitment and training organizations serving the CONTRACTOR'S recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the CONTRACTOR shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- (x) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a CONTRACTOR'S workforce.

000012 AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY CONTRACT PROVISIONS

- (xi) Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
- (xii) Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- (xiii) Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
- (xiv) Conduct a review, at least annually, of all supervisors adherence to and performance under the CONTRACTOR'S EEO policies and affirmative action obligations.
 - i. CONTRACTORS are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7A through P). The efforts of a contractor association, joint contractor-union, contractor- community, or other similar group of which the CONTRACTOR is a member and participant, may be assertee as fulfilling any one or more of its obligations under 7A through P of these specifications provided that the CONTRACTOR actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program reflected in the CONTRACTOR'S minority and female workforce participation, makes a good faith effort to meet its individual goal and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the CONTRACTOR. The obligation to comply, however, is the CONTRACTOR'S and failure of such a group to fulfill an obligation shall not be a defense for the CONTRACTOR'S noncompliance.
- (xv) A single goal for minorities and a separate single goal for women has been established. The CONTRACTOR, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and nonminority. Consequently, the CONTRACTOR may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the CONTRACTOR may be in violation of the Executive Order if a specific minority group of women is underutilized).
- (xvi) The CONTRACTOR shall not use the goals and timetables or affirmative action standards or discriminate against any person because of race, color, religion, sex or national origin.
- (xvii) The CONTRACTOR shall not enter into any subcontract with any

000012 AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY CONTRACT PROVISIONS

person or firm disbarred from Government contracts pursuant to Executive Order 11246.

- (xviii) The CONTRACTOR shall carry out such sanctions and penalties for violations of these specifications and or the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations by the Office of Federal Contract Compliance Programs. Any CONTRACTOR who fails to carry out such sanctions and penalties shall be in violation of the Specifications and Executive Order 11246, as amended.
- (xix) The CONTRACTOR, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in Paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the CONTRACTOR fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
- (xx) The CONTRACTOR shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions herein as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g. mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of Pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, CONTRACTORS shall be required to maintain separate records.
- (xxi) Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION
CONTRACT SPECIFICATIONS
(EXECUTIVE ORDER 11246)

1. As used in these specifications:
 - A. "Covered Area" means the geographical area described in the solicitation from which this Contract resulted.
 - B. "Director" means Director, Office of Federal contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority.
 - C. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form 941.
 - D. "Minority" includes:
 - (i) Black (all persons having origins in any of the black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Island); and
 - (iv) American Indian or Alaska native (all persons having origins in any of the original peoples of North America maintaining identifiable tribal affiliations through membership and participation or community identification.
2. Whenever the CONTRACTOR, or subcontractor at any tier, subcontracts any portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000, the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this Contract resulted.

000013 EQUAL EMPLOYMENT SPECIFICATIONS

3. If the CONTRACTOR is participating (pursuant to 41 CFR 60-4.5) in any Hometown Plan approved by the U. S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. CONTRACTOR must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each CONTRACTOR or subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO Clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other CONTRACTOR or subcontractors toward a goal in an approved Plan does not excuse any covered CONTRACTOR'S or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The CONTRACTOR shall implement the specific affirmative action standards provided in Paragraphs 7A through P of these specification. The goals set forth in the solicitation from which this Contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the CONTRACTOR shall reasonably be able to achieve in each construction trade in

which it has employees in the covered area. The CONTRACTOR is expected to make substantially uniform progress toward its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the CONTRACTOR has a collective bargaining agreement, to refer either minorities or women shall execute the CONTRACTOR'S obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours of apprentices and trained to be counted in meeting the goals, such apprentices and trainees must be employed by the CONTRACTOR during the training period, and the CONTRACTOR must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

000013 EQUAL EMPLOYMENT SPECIFICATIONS

7. The CONTRACTOR shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be used upon its effort to achieve maximum results from its actions. The CONTRACTOR shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - A. Ensure and maintain a working environment free of harassment, intimidation and coercion at all sites, and in all facilities at which the CONTRACTOR'S employees are assigned to work. The CONTRACTOR, where possible, will assign two or more women to each construction project. The CONTRACTOR shall specifically ensure that all foremen, superintendents and other on site supervisory personnel are aware of and carry out the CONTRACTOR's obligation to maintain such working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - B. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when CONTRACTOR or its unions have employment opportunities available and maintain a record of the organizations responses.
 - C. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was referred back to the CONTRACTOR by the union or, if referred, not employed by the CONTRACTOR, this shall be documented in the file with the reason therefore; along with whatever additional actions the CONTRACTOR may have taken.
 - D. Provide immediate written notification to the Director when the union or unions with which the CONTRACTOR has a collective bargaining agreement has not referred to the CONTRACTOR a minority person or woman sent by the CONTRACTOR, or when the CONTRACTOR has

000013 EQUAL EMPLOYMENT SPECIFICATIONS

other information that the union referral process has impeded the CONTRACTOR's efforts to meet its obligations.

- E. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the CONTRACTOR's employment needs, especially those programs funded or approved by the Department of Labor. The CONTRACTOR shall provide notice of these programs to the sources compiled under 7B above. Disseminate the CONTRACTOR's EEO policy by providing notice of policy to unions and training programs and requesting their cooperation in assisting the CONTRACTOR in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement, by publicizing it in the company newspaper annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location when construction work is performed.
- F. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on site supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings and persons attending, subject matter discussed and disposition of the subject matter.
- G. Disseminate the CONTRACTOR'S EEO policy externally by including in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the CONTRACTOR'S EEO policy with other CONTRACTORS and subcontractors with whom the CONTRACTOR does or anticipates doing business.

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- H. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority female recruitment and training organizations serving the CONTRACTOR'S recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the CONTRACTOR shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- I. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a CONTRACTOR'S workforce.
- J. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
- K. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- L. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the CONTRACTOR'S obligations under these specification are being carried out.
- M. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
- N. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

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- O. Conduct a review, at least annually, of all supervisors adherence to and performance under the CONTRACTOR'S EEO policies and affirmative action obligations.
1. CONTRACTORS are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7A through P). The efforts of a contractor association, joint contractor-union, contractor- community, or other similar group of which the CONTRACTOR is a member and participant, may be assertee as fulfilling any one or more of its obligations under 7A through P of these specifications provided that the CONTRACTOR actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program reflected in the CONTRACTOR'S minority and female workforce participation, makes a good faith effort to meet its individual goal and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the CONTRACTOR. The obligation to comply, however, is the CONTRACTOR'S and failure of such a group to fulfill an obligation shall not be a defense for the CONTRACTOR'S noncompliance.
2. A single goal for minorities and a separate single goal for women has been established. The CONTRACTOR, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and nonminority. Consequently, the CONTRACTOR may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the CONTRACTOR may be in violation of the Executive Order if a specific minority group of women is underutilized).
3. The CONTRACTOR shall not use the goals and timetables or affirmative action standards or discriminate against any person because of race, color, religion, sex or national origin.
4. The CONTRACTOR shall not enter into any subcontract with any person or firm disbarred from Government contracts pursuant to Executive Order 11246.
5. The CONTRACTOR shall carry out such sanctions and penalties for violations of these specifications and or the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations by the Office of Federal Contract Compliance Programs. Any CONTRACTOR who fails to carry out such sanctions and penalties

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shall be in violation of the Specifications and Executive Order 11246, as amended.

6. The CONTRACTOR, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in Paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the CONTRACTOR fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
7. The CONTRACTOR shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions herein as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g. mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of Pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, CONTRACTORS shall be required to maintain separate records.
8. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

NONDISCRIMINATION CLAUSE

During the term of this contract, Contractor agrees as follows:

1. Contractor shall not discriminate against any employee, applicant for employment, independent contractor, or any other person because of race, color, religious creed, ancestral national origin, age, or sex. Contractor shall take affirmative action to insure that applicants employed, and that employees or agents are treated during employment, without regard to their race, color, religious creed, handicap, ancestry, national origin, age, or sex. Such affirmative action shall include, but is not limited to: employment, upgrading, demotion or transfer, recruitment, recruitment advertising; layoff or termination; rates of pay or other forms of compensation; or selection for training. Contractor shall post in conspicuous places, available to employees, agency of applicants for employment, and other persons, a notice to be provided by the contracting agencies setting forth the provisions of this nondiscrimination clause.

2. Contractor shall, in advertisements or requests for employment placed by it or on its behalf, state that all qualified applicants will receive consideration for employment without regard to race, color, religious creed, handicap, ancestry, national origin, age or sex.

3. Contractor shall send each labor union or workers' representative with which it has collective bargaining agreement or other contract or understanding, a notice advising said labor union or workers' representative of its commitment to this nondiscrimination clause. Similar notice shall be sent to every other source of recruitment regularly utilized by Contractor.

4. It shall be no defense to a finding of noncompliance with this nondiscrimination clause that Contractor had delegated some of its employment practices to any union, training program or other source of recruitment which prevents it from meeting its obligations. However, if any evidence indicates that the Contractor was not on notice of the third-party discrimination or made good faith effort to correct it, such factor shall be considered in mitigation in determining appropriate sanctions.

5. Where the practices of a union or any training program or other source of recruitment will result in the exclusion of minority group persons, so that Contractor will be unable to meet the obligations under this nondiscrimination clause. Contractor shall then employ and fill vacancy through other nondiscriminatory employment procedures.

6. Contractor shall comply with all state and federal laws prohibiting discriminatory hiring or employment opportunities. In the event of Contractor's noncompliance with the nondiscrimination clause of this contract or with any such laws, this contract may be terminated, suspended, in whole or

in part, and Contractor may be declared temporarily ineligible for future Commonwealth contracts, and other sanctions may be imposed and remedies invoked.

7. Contractor shall furnish all necessary employment documents and records to, and permit access to its books, records, and accounts by the contracting agency for purposes of investigation to ascertain compliance with the provisions of this clause. If Contractor does not possess documentation records reflecting the necessary information requested, it shall furnish such information on reporting forms supplied by the contracting agency.

8. Contractor shall actively recruit minority and women subcontractors or subcontractors with substantial minority representation among their employees.

9. Contractor shall include the provisions of this nondiscrimination clause in any subcontract, so that such provisions will be binding upon each Subcontractor.

10. Contractor obligations under this clause are limited to the Contractor's facilities in Pennsylvania or, where the contract is for purchase of goods manufactured outside of Pennsylvania, the facilities at which such goods are actually produced.

CONTRACTOR Date _____

CONFLICT OF INTEREST

Interest of Local Public Officials

No member of the governing body of the locality or entity and no other officer, employee, agent or public official of such locality, who exercises any functions or responsibilities in connection with the planning and carrying out of the program, shall have any personal financial interest, direct or indirect, in this contract; and the governing body contractor shall take appropriate steps to assure compliance.

Interest of Contractor and Employees

The Contractor covenants that he presently has no interest and shall not acquire interest, direct or indirect, in the study area or any parcels therein or any other interest which would conflict in any manner or degree with the performance of his services hereunder. The Contractor further covenants that in the performance of this Contract, no person having any such interest shall be employed.

RECORDS AND AUDITS

The Contractor shall maintain accounts and records, including personnel, property and financial records, adequate to identify and account for all costs pertaining to the Contract and such other records as may be deemed necessary by the Municipality and County to assure proper accounting for all project funds. These records will be made available for audit purposes to the Municipality and County or any authorized representative, and will be retained for three years after the close out of the project by the County unless stipulated otherwise by the County.

The undersigned contractor agrees to abide by the above provisions.

By: _____
Contractor

Date

MBE/WBE Outreach

The undersigned prime contractor agrees to solicit at least 5 bids and/or quotes from minority-/female-owned businesses and record them on the **MBE/WBE Contact/Solicitation Statement** form. The prime contractor is not required to use these businesses, but these contacts must at least be made. An MBE/WBE directory of minority- and/or female-owned contractors and businesses in the Delaware County area is available and can be used to facilitate this requirement, although Primes are free to use any other MBE/WBE contractors as well. **This form must be submitted with the Prime Contractor Questionnaire.**

Contractor

Date

SECTION 3 CERTIFICATION

Training, Employment and Contracting Opportunities For Businesses and Lower Income Persons

The project assisted under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. of 1701u. Section 3 requires that to the greatest extent feasible, opportunities for training and employment be given to lower income residents of the project area and contracts for work in connection with the project be awarded to business concerns which are located in or owned in substantial part by persons residing in the area of the project

Notwithstanding any other provision of this contract, the Contractor shall carry out the provisions of said Section 3 and the regulations issued pursuant thereto by the Secretary set forth in 24 CFR Part 135 (published in 3a Federal Register 29220, October 23, 1973) and all applicable rules and orders of the Secretary issued thereunder prior to the execution of this contract. The requirements of said regulations include but are not limited to the development and implementation of an affirmative action plan for utilizing business concerns located within or owned in substantial part by persons residing in the area of the project; the making of a good faith effort, as defined by the regulations, to provide training, employment and business opportunities required by Section 3; and incorporation of the "Section 3 Clause" specified by Section 135.20 (b) of the regulations in all contracts for work in connection with the project. The Contractor certifies and agrees that it is under no contractual or other disability that would prevent it from complying with these regulations.

Compliance with the provisions of Section 3, the regulations set forth in 24 CFR Part 135, and all applicable rules and orders of the Secretary issued thereunder prior to approval by the Government of the application for this contract shall be a condition of the Federal financial assistance provided to the project, binding upon the Contractor, its successors and assigns. Failure to fulfill these requirements shall subject the Contractor, its contractors and subcontractors, its successors, and assigns to the sanctions specified by this Contract and to such sanctions as are specified by 24 CFR 135.135.

Company

By: _____
Authorized Signature

Title: _____

Date: _____

CERTIFICATION OF COMPLIANCE WITH AIR AND WATER ACTS

(Applicable to Federally assisted construction contracts and related subcontracts exceeding \$100,000)

Compliance with Air and Water Acts

During the performance of this contract, the contractor and all subcontractors shall comply with the requirements of the Clean Air Act, as amended, 42 USC 1857 et seq., the Federal Water Pollution Control Act, as amended, 33 USC 1251 et seq., and the regulations of the Environmental Protection Agency with respect thereto, at 40 CFR Part 15, as amended.

In addition to the foregoing requirements, all nonexempt contractors and subcontractors shall furnish to the owner, the following:

- 1) A stipulation by the Contractor or subcontractors, that any facility to be utilized in the performance of any nonexempt contract or subcontract, is not listed on the List of Violating Facilities issued by the Environmental Protection Agency (EPA) pursuant to 40 CFR 15.20.
- 2) Agreement by the contractor to comply with all the requirements of Section 114 of the Clean Air Act, as amended, (42 USC 1857c-8) and Section 308 of the Federal Water Pollution Control Act, as amended, (33 USC 1318) relating to inspection, monitoring, entry, reports and information, as well as all other requirements specified in said Section 114 and Section 308, and all regulations and guidelines issued thereunder.
- 3) A stipulation that as a condition for the award of the contract, prompt notice will be given of any notification received from the Director, Office of Federal Activities, EPA, indicating that a facility utilized, or to be utilized for the contract, is under consideration to be listed on the EPA List of Violating Facilities.
- 4) Agreement by the Contractor that he/she will include, or cause to be included, the criteria and requirements in paragraph (1) through (4) of this section in every nonexempt subcontract and requiring that the Contractor will take such action as the Government may direct as a means of enforcing such provisions.

Name and Title of Signer (Print or type)

Signature

Date

000019 AFFADAVIT CCEPTING WORKMEN'S COMP

AFFADAVIT ACCEPTING PROVISIONS OF THE WORKMEN'S COMPENSATION ACT

Commonwealth of Pennsylvania
County of Delaware

I, _____, being duly sworn according to law deposes and says that he/she/it has (they have) accepted the provisions of the Workmen's Compensation Act of 1916 of the Commonwealth of Pennsylvania, with its supplements and amendments, and has (have) insured his/her (their) liability thereunder in accordance with the terms of said Act with

(Surety Company)

(Type or Print)

Contractor

BY: _____

Signature

Sworn to and subscribed before me this _____ day of _____ A.D. 20 _____

My Commission Expires _____

Date:

Applicability

The Project or Program to which the construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

A. 1. (i) Minimum Wages. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

- (1)** The work to be performed by the classification requested is not performed by a classification in the wage determination; and
 - (2)** The classification is utilized in the area by the construction industry; and
 - (3)** The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- (b)** If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)
- (c)** In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)
- (d)** The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
- (iii)** Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- (iv)** If the contractor does not make payments to a trustee or other third person, the contractor may consider as part

of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis- Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

3. (i) Payrolls and basic records. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1 (b)(2)(B) of the Davis- Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been

communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)

(ii) (a) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i) except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this subparagraph for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to HUD or its designee. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)

(b) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph A.3.(ii)(b).

(d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under subparagraph A.3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) **Apprentices.** Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U. S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who

is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) **Trainees.** Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to, and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by

the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract

6. Subcontracts. The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 in this paragraph A and such other clauses as HUD or its designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this paragraph.

7. Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.

10. (i) Certification of Eligibility. By entering into this contract the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be

awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1010, Title 18, U.S.C., "Federal Housing Administration transactions", provides in part: "Whoever, for the purpose of . . . influencing in any way the action of such Administration . . . makes, utters or publishes any statement knowing the same to be false . . . shall be fined not more than \$5,000 or imprisoned not more than two years, or both."

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. The provisions of this paragraph B are applicable where the amount of the prime contract exceeds \$100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in subparagraph (1) of this paragraph.

(3) Withholding for unpaid wages and liquidated damages.

HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally- assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety. The provisions of this paragraph C are applicable where the amount of the prime contract exceeds \$100,000.

(1) No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91-54, 83 Stat 96). 40 USC 3701 et seq.

(3) The contractor shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

INSERT CURRENT FEDERAL WAGE DETERMINATION
FOR APPLICABLE CONSTRUCTION TYPE

[HTTP://WWW.WDOL.GOV/NEWDBA.ASPX](http://www.wdol.gov/newdba.aspx)

The Davis-Bacon Wage Determinations are wage determinations issued by the U.S. Department of Labor under the *Davis-Bacon and Related Acts*. The Wage and Hour Division of the U.S. Department of Labor determines prevailing wage rates to be paid on federally funded or assisted construction projects.

Please note that the Davis-Bacon Federal Wage Decisions are subject to change every Friday. OHCD forwards all updated determinations to project engineers; Pennsylvania determinations can also be accessed at <http://www.wdol.gov/>. The wage decision in effect on the date of bid opening is the wage decision in effect for the project. Should wage rates change during the advertisement period, an addendum must be issued to the bid manual and forwarded to all potential bidders.

Also note that if more than 90 days lapse between bid opening and contract award, wage determinations must be updated to reflect those current with the award date.

Procedures for predetermining Federal wage rates are governed by CFR Title 29 Chapter 1 Part 1.6. http://www.dol.gov/dol/allcfr/ESA/Title_29/Part_1/29CFR1.6.htm

Prime Contractor's Questionnaire

All Prime contractors must complete the form in its entirety and return to:

Delaware County Office of Housing and Community Development
600 N. Jackson Street
Room 101
Media, PA 19063

1. **Prime Contractor I.D. Number/Employer I.R.S. Number:**

2. **Name, address, and telephone number:**

3. **OHCD Project Number, Project name, location, and contract number:**

4. **Type of Trade:** _____
5. **Type of work to be undertaken:** _____
6. **Amount of Contract:** _____
7. **Date of Agreement:** _____
8. **Estimated Starting Date:** _____
9. **Estimated Completion Date:** _____
10. **Circle the number code (1 thru 10) which indicates the racial character of the owner(s) and controller(s) of the business.**

1 = White American
2 = Black/African American
3 = American Indian/Alaskan Native
4 = Asian
5 = Native Hawaiian/Other Pacific Islanders
6 = American Indian/Alaskan Native & White
7 = Asian & White
8 = Black/African American & White
9 = American Indian/Alaskan Native & Black/African American
10 = Other _____
11. **Ethnicity (please circle one):** Hispanic or Non-Hispanic

12. Are any of the principle owners of the contracting firm?

- a. Female: _____
- b. A resident of the municipality awarding the contract: _____
- c. A resident of Delaware County: _____

13. Please indicate below the number of employees in your firm, by race, sex, and Section 3 status (new hires for this project that were low income and/or from the project area):

	Male	Female	Section 3
White American	_____	_____	_____
Black/African American	_____	_____	_____
American Indian/Alaskan Native	_____	_____	_____
Asian	_____	_____	_____
Native Hawaiian/Other Pacific Islanders	_____	_____	_____
American Indian/Alaskan Native and White	_____	_____	_____
Asian & White	_____	_____	_____
Black/African American & White	_____	_____	_____
American Indian/Alaskan Native and Black/African American	_____	_____	_____
Other	_____	_____	_____

14. Are you a Section 3 Business (a business concern that is 51% or more owned by low-income residents, employs a substantial number of low-income residents, or provides subcontracting or business development opportunities to businesses owned by low-income residents):

	Yes	No
Low Income:		
Household Size		Max. Annual Income
1 Person		\$54,150
2 Person		\$61,850
3 Person		\$69,600
4 Person		\$77,300
5 Person		\$83,500
6 Person		\$89,700
7 Person		\$95,900
8 Person		\$102,050.

MBE/WBE Contact/Solicitation Statement

The Subrecipient and Prime Contractor are encouraged to solicit a minimum of 5 quotes/bids from minority/female owned businesses for all CDBG/HOME funded projects. Please refer to the MBE/WBE directory as needed.

 Project Name Subrecipient or Company Name

 Contact Person Telephone Number

Please list the minority- and/or woman-owned businesses and contractors from which you solicited quotes or bids in regard to this contract.

Company Name & Telephone #	MBE (x)	WBE (x)	Type of Work and/or Material to be Supplied	Dollar Amount of Quote

 Authorized Signature Print Name

 Title Date

Subcontractor's Questionnaire

All Subcontractors must complete the form in its entirety and return to:

Delaware County Office of Housing and Community Development
600 N. Jackson Street
Room 101
Media, PA 19063

1. **Subcontractor I.D. Number/Employer I.R.S. Number:**

2. **Name, address, and telephone number:**

3. **OHCD Project Number, Project name, location, and contract number:**

4. **Type of Trade:** _____
5. **Type of work to be undertaken:** _____
6. **Amount of Subcontract:** _____
7. **Date of Agreement:** _____
8. **Estimated Starting Date:** _____
9. **Estimated Completion Date:** _____
10. **Circle the number code (1 thru 10) which indicates the racial character of the owner(s) and controller(s) of the business.**

1 = White American
2 = Black/African American
3 = American Indian/Alaskan Native
4 = Asian
5 = Native Hawaiian/Other Pacific Islanders
6 = American Indian/Alaskan Native & White
7 = Asian & White
8 = Black/African American & White
9 = American Indian/Alaskan Native & Black/African American
10 = Other _____
11. **Ethnicity (please circle one):** Hispanic or Non-Hispanic

12. Are any of the principle owners of the contracting firm:

- a. Female: _____
- b. A resident of the municipality awarding the contract: _____
- c. A resident of Delaware County: _____

13. Please indicate below the number of employees in your firm, by race, sex, and Section 3 status (new hires for this project that were low income and/or from the project area):

	Male	Female	Section 3
White American	_____	_____	_____
Black/African American	_____	_____	_____
American Indian/Alaskan Native	_____	_____	_____
Asian	_____	_____	_____
Native Hawaiian/Other Pacific Islanders	_____	_____	_____
American Indian/Alaskan Native and White	_____	_____	_____
Asian & White	_____	_____	_____
Black/African American & White	_____	_____	_____
American Indian/Alaskan Native and Black/African American	_____	_____	_____
Other	_____	_____	_____

14. Are you a Section 3 Business (a business concern that is 51% or more owned by low-income residents, employs a substantial number of low-income residents, or provides subcontracting or business development opportunities to businesses owned by low-income residents):

	Yes	No
Low Income:		
Household Size		Max. Annual Income
1 Person		\$50,500
2 Person		\$57,700
3 Person		\$64,900
4 Person		\$72,100
5 Person		\$77,900
6 Person		\$83,650
7 Person		\$89,450
8 Person		\$95,200

Economic Opportunity Notification *

The following positions and subcontractor opportunities will be opening in connection with the following project:

Name/Description of Project

Please inform any interested persons/subcontractors of these opportunities. The contact name for these positions is:

Name of Contact

Company Name

Phone Number

Address

1. Positions that will be available are:

Position

Number

Min. Qualifications

Position	Number	Min. Qualifications

2. The subcontracting opportunities that will be available:

Trade/Services/Supplies

Min. Qualifications

Trade/Services/Supplies	Min. Qualifications

Signature: _____

Date: _____

Company: _____

**** This form must be forwarded to the contacts in the attached Section 3 Contract List; Send to relevant contractors in the Section 3 Contractor Directory, at Prime Contractor's discretion.***

Section 3 Contact List

Please complete the Economic Opportunity Notification form to list any new hires that will be needed to complete this project. Also, list any subcontracting and/or supply needs that will be needed for this project on this form. Then send the form to the following Section 3 contacts. This effort is required to facilitate the use of Section 3 residents and businesses with respect to your HUD funded project.

1. Darby Revitalization Office
Attn: Bernice Clark-Dickerson, Director
1001 Main Street
Darby, PA 19023
Phone: 610-586-0867
Fax: 610-586-0869

2. Chester Area NAACP
Attn: Darrell V. Jones, President
P.O. Box 863
Chester, PA 19016-0863
Phone: 610-872-3664
Fax: 610-872-9303

3. Chester Workforce Development Center
Attn: Eric Bayne
1 Fourth Street, City Hall
Chester, PA 19013
Phone: 610-447-7793
Fax: 610-447-7907

CERTIFICATION OF NON-SEGREGATED FACILITIES

The Bidder certified that he does not maintain or provide for his employees any segregated facilities at any of his establishments and that he does not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The Bidder certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location under his control where segregated facilities are maintained. The Bidder agrees that a breach of his certification will be a violation of the Equal Opportunity Clause in any contract resulting from acceptance of this Bid. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms and other storage areas, transportation and facilities provided for employees which are segregated on the basis of race, color, religion or national origin, because of habit, local custom.

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. Paragraph 1001.

DATE: _____

NAME OF BIDDER: _____

BY: _____

TITLE: _____

OFFICIAL ADDRESS (INCLUDING ZIP CODE)

PHONE NO.: _____

CERTIFICATION OF COMPLIANCE WITH FEDERAL LABOR STANDARDS

I, the undersigned _____, the duly authorized representative of _____ (hereinafter referred to as the "contractor"), do hereby certify that I have examined the Federal Labor Standards Provisions (HUD-4010) with related certificates and documents, and all of the conditions surrounding these provisions including, but not limited to the following:

1. The contractor is responsible for employing only eligible subcontractors who have certified eligibility in written contracts containing Federal Labor Standards Provisions.
2. The contractor is responsible for the payment of federal prevailing wage rates by its subcontractors while performing work under this contract. If the subcontractor fails to pay the prevailing wages as specified in this contract, the prime contractor may be required to make appropriate restitution to the underpaid workers.
3. The contractor is responsible for collecting weekly certified payrolls from its subcontractors, review said payrolls for compliance with the federal wage rates, and forward same to the local government contract authority.
4. The contractor also understands that only those classifications listed in the original bid documents are applicable to this job, and no special classifications may be incorporated after contract award.
5. The prime contractor hereby agrees to perform all of its responsibilities in conformance with the Federal Labor Standards Provisions both diligently and effectively.

BY: _____ DATE: _____

TITLE: _____

HUD 4010

THE DELAWARE COUNTY
DIRECTORY OF
MINORITY- & WOMAN-OWNED
AND SECTION 3
CONTRACTORS AND BUSINESSES



Prepared by the County of Delaware

OHCD **Office of Housing and Community Development**

600 N. Jackson Street, Rm. 101, Media, PA 19063 (610) 891-5425

Revised, August 2019

INTRODUCTION

This directory is published as an information listing only. It has been produced in response to HUD requirements to facilitate the use of minority and woman-owned and Section 3 contractors and businesses. Delaware County does not endorse the products and services offered nor does it vouch for the capacity, workmanship, financial stability, or minority status of the businesses listed in this directory. Neither the County of Delaware, its agents or anyone distributing the directory make any warranty regarding the contents of this directory and will not be liable or responsible for any loss, damages, or injury to persons or property in any manner arising out of or incident to the use of this directory, including all consequential damages. All listings and advertisements have been accepted for publication on the presumption that the information is true. This directory is also a working document that is neither exhaustive nor all-inclusive and will be updated on a periodic schedule. To be included in the next addition to this directory, please contact the Delaware County Office of Housing and Community Development at (610) 891-4312, 600 N. Jackson Street, Room 101, Media, PA 19063.

This directory has been updated using the original resource directory and the PA Department of General Services, MBE/WBE website:

<http://www.dgs.internet.state.pa.us/SBPI/AlphaResults.aspx>

<http://www.dgs.internet.state.pa.us/SmallDiverseBusinessSearch/>

<https://portalapps.hud.gov/Sec3BusReg/BRegistry/SearchBusiness>

Note: *** designates the MBE/WBE business is also registered as a Section 3 Business.

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A&E SERVICES**MBE/WBE:****ANN ROTHMANN DBA**

1224 Baltimore Pike, Suite 205
 Chadds Ford, PA 19317
 (610) 945-1839
 Ann Rothmann
arothmann@aol.com
arpe1991@gmail.com

APEX TECHNOLOGY GROUP LLC

1224 Baltimore Pike, Suite 205
 Chadds Ford, PA 19317
 (610) 558-0555
 Ali Shahid
ali@atgmail.net

CUETOKEARNEY DESIGN LLC

110 Park Avenue, Suite 1
 Swathmore, PA 19081
 (610) 544-1722
 Claudia Cueto
claudia@cuetokearney.com
cuetok@comcast.net

J&M PRESERVATION STUDIO LLC

105 Rutgers Avenue, Suite 244
 Swathmore, PA 19081
 (215) 769-1133
 Jessica Senker
info@jmpreservation.com

KOH ENGINEERS, LLC ***

325 Chestnut Street, Suite 800
 Philadelphia, PA 19106
 Duane A. Quamina
kohengineers@gmail.com

THERESA PEARCE SHEPHARD DBA

335 W. State Street
 Media, PA 19063
 (484) 442-8137
 Theresa Shephard
theresa@shephardrestoration.com
info@shephardrestoration.com

TREC GROUP INC

900 Old Marple Road
 Springfield, PA 19064
 (610) 328-6465
 Barbara Tulske
BARB@trecgroup.com

MBE/WBE:**ALBERT G CIPOLLONI, JR & SONS, INC**

719 Highland Avenue
 Morton, PA 19070
 (610) 543-6144
 Carol Cipolloni
agcip@live.com

COCCO CONTRACTING CORP

201 Saville Avenue
 Eddystone PA, 19022
 (610) 874-3400
 Lois E. Cocco
Coccocontracting@aol.com

COMPACTION GROUTING SERVICES INC

375 Parkmount Road
 Media, PA 19063
 (610) 558-8999
 Kathrine L Miluski
kmiluski@cgsinc.net; kaylmer@cgsinc.net

CONNELLY CONSTRUCTION CORP

1126 Upper State Road
 P.O. Box 587
 Montgomeryville, PA 18926
 (215) 362-6283
 Rita Connelly
estimating_dept@connellycorp.com

CONCRETE, CURBS & CURBING, MASONRY, SEWERS**GORECON INC**

PO Box 1778
 Doylestown, PA 18901
 (267) 880-0890
 Brina Sweet
brinasweet@goreconinc.com

MARA RESTORATION INC

150 Roesch Avenue
 Oreland, PA 19075
 (215) 887-9900
 Patty McNamara
pmcnamara@mararestoration.com

OLD PHILADELPHIA ASSOCIATES INC

315 S. Bolmar Street
 West Chester, PA 19380
 (610) 436-8022
 Christina Patrone
cpatrone@oldphila.com

QUINN CONSTRUCTION INC

1017 4th Avenue, Suite 100
 Essington, PA 19029
 (610) 586-1332
 Elizabeth Quinn
equinn@quinnconstruction.com

CONSTRUCTION/GENERAL CONSTRUCTION**MBE/WBE:****AKM CONSTRUCTION SERVICES INC**

350 S. Governor Printz Boulevard
Lester, PA 19029
(610) 362-0210
Kimberly Moore
akmconstservices@aol.com
moorek-akm@comcast.net

AHJ CONSTRUCTION CO

1208 Main Street
Darby, PA 19023
(215) 900-3508
Henry Robinson
info@ahjconstructionco.com;
hrobinson@ahjconstructionco.com

CHOATES G CONTRACTING LLC ***

225 Lincoln Highway
Philadelphia, PA 19111
(267) 864-7817
Darrel Choates, Jr.
darellchoates@gmail.com

HP TOTAL CONSTRUCTION ***

30 South 15th Street
Philadelphia, PA 19102
(215) 828-1944
Michael Bowman
Bowmanmichael215@gmail.com

LYON CONTRACTING SERVICES, LLC ***

702 N 3rd Street, Suite 209
Philadelphia, PA 19148
(267) 419-7800
Daniel Labrador
lyoncontracting@comcast.net

NESMITH & COMPANY INC

2440 Tasker Street
Philadelphia, PA 19145
(215) 755-4570
Karen Burgoyne
k.burgoyne@nesmith-electric.com;
admin@nesmithcompany.com

PERRYMAN BUILDING & CONSTRUCTION

100 N. 20th Street, Suite 305
Philadelphia, PA 19103
(267) 538-0700
Angelo Perryman
angelop@perrymanbc.com

QUANTUM BUILDERS

295 E Swedesford Road, Suite 282
Wayne, PA 19087
(610) 453-8662
Victor Milbourne
victor@militaryconstruction.net;

SECTION 3:**ATTRACTIVE PROPERTIES**

843 Tyson Avenue
Abington, PA 19001
(267) 625-7107
Alan Simbo
alan@remodelphilly.com

NEW AGE DEVELOPMENT GROUP INC

125 East Elm, Suite 300
Conshohocken, PA 19428
(215) 676-1326
Dexter Lanigan
dl@newagedevelopment.com

CW3 INC

P.O. Box 794
Glenside, PA 19038
(215) 469-1302
Clifford Washington
cw3inc@gmail.com

ADKINS MANAGEMENT INC

8109 Vermeer Place
Philadelphia, PA 19153
(267) 249-9843
Sheila Adkins
adkinsmus@aol.com

METRO SERVICE GROUP INC

1 International Plaza, Suite 550
Philadelphia, PA 19113
(844) 520-8331
Melissa Tate
mtate@metroservicegroup.com

THE Q GROUP BUILDERS INC

138 Railroad Drive
Warminster, PA 18974
(215) 942-6700
Angelo Quisito
angelo@theggroup.biz

DEMOLITION CONTRACTORS**MBE/WBE:****TAMCO CONSTRUCTION INC**

539 E Dark Hollow Road
Pipersville, PA 18947
(215) 416-3646
Tammy Johnson
tamcoconstruction@gmail.com

ELECTRICAL CONTRACTORS**MBE/WBE:****JUST IT'S ELECTRIC, LLC**

P.O. Box 881
 Bala Cynwyd, PA 19004
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PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Demolition and removal of selected portions of building or structure.

1.3 DEFINITIONS

- A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged or reinstalled.
- B. Remove and Salvage: Detach items from existing construction, in a manner to prevent damage, and deliver to Owner or subcontractor ready for reuse or repurpose.
- C. Existing to Remain: Leave existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.
- D. Dismantle: To remove by disassembling or detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.

1.4 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.

1.5 INFORMATIONAL SUBMITTALS

- A. Engineering Survey: Submit engineering survey of condition of building.
- B. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property. Indicate proposed locations and construction of barriers.
- C. Schedule of Selective Demolition Activities: Indicate the following:
 - 1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity.
 - 2. Coordination for shutoff, capping, and continuation of utility services.

1.6 FIELD CONDITIONS

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
- D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
 - 1. Hazardous materials will be removed by Owner before start of the Work.
 - 2. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- E. Storage or sale of removed items or materials on-site is not permitted.
- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations

1.7 COORDINATION

- A. Arrange selective demolition schedule so as not to interfere with Owner's operations.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ASSE A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting selective demolition operations.
- B. Review Project Record Documents of existing construction or other existing condition and hazardous material information provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in Project Record Documents.

- C. Perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during selective building demolition operations.
 - 1. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.
- D. Verify that hazardous materials have been remediated before proceeding with building demolition operations.
- E. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs or video.
 - 1. Inventory and record the condition of items to be removed and salvaged. Provide photographs or video of conditions that might be misconstrued as damage caused by salvage operations.
 - 2. Before selective demolition or removal of existing building elements that will be reproduced or duplicated in final Work, make permanent record of measurements, materials, and construction details required to make exact reproduction.

3.2 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.
 - 1. Arrange to shut off utilities with utility companies.
 - 2. Disconnect, demolish, and remove plumbing, and HVAC systems, equipment, and components indicated on Drawings to be removed.
 - a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
 - b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material and leave in place.
 - c. Equipment to Be Removed: Disconnect and cap services and remove equipment.
 - d. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, reconnect, and make equipment operational.
 - e. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove equipment and deliver to Owner.
 - f. Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material.
 - g. Ducts to Be Abandoned in Place: Cap or plug ducts with same or compatible ductwork material and leave in place.

3.3 PROTECTION

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
 - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.

2. Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas.
 3. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
- B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished
- C.
1. Strengthen or add new supports when required during progress of selective demolition.
- D. Remove temporary barricades and protections where hazards no longer exist.

3.4 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Proceed with selective demolition systematically, from higher to lower level.
 2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.
 3. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
 4. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.
 5. Maintain fire watch during and for at least 1 hour after flame-cutting operations.
 6. Maintain adequate ventilation when using cutting torches.
 7. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
 8. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
 9. Dispose of demolished items and materials promptly.
- B. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- C. Removed and Salvaged Items:
1. Clean salvaged items.
 2. Store items in a secure area until delivery to Owner or subcontractor.
 3. Transport items to Owner's storage area designated by subcontractor.

4. Protect items from damage during transport and storage.

3.5 Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and reinstalled in their original locations after selective demolition operations are complete.

3.6 SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

- A. Concrete: Demolish in small sections. Using power-driven saw, cut concrete to a depth of at least **3/4 inch (19 mm)** at junctures with construction to remain. Dislodge concrete from reinforcement at perimeter of areas being demolished, cut reinforcement, and then remove remainder of concrete. Neatly trim openings to dimensions indicated.
- B. Concrete: Demolish in sections. Cut concrete full depth at junctures with construction to remain and at regular intervals using power-driven saw, and then remove concrete between saw cuts.
- C. Masonry: Demolish in small sections. Cut masonry at junctures with construction to remain, using power-driven saw, and then remove masonry between saw cuts.
- D. Concrete Slabs-on-Grade: Saw-cut perimeter of area to be demolished, and then break up and remove.

3.7 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
 - 1. Do not allow demolished materials to accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
 - 3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
- B. Burning: Do not burn demolished materials.

3.8 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION 00241

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Hot-mix asphalt paving.
 - 2. Parking Space Line Markings

1.2 SYSTEM DESCRIPTION

- A. Provide hot-mix asphalt paving according to materials, workmanship, and other applicable requirements of standard specifications of state or local DOT.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include technical data and tested physical and performance properties.
- B. Manufacturer Qualifications: A qualified manufacturer.
 - 1. Manufacturer shall be a paving-mix manufacturer registered with and approved by authorities having jurisdiction or the DOT of the state in which Project is located.
- C. Testing Agency Qualifications: Qualified according to ASTM D 3666 for testing indicated, as documented according to ASTM E 548.
- D. Asphalt-Paving Publication: Comply with AIMS-22, "Construction of Hot Mix Asphalt Pavements," unless more stringent requirements are indicated.

1.4 PROJECT CONDITIONS

- A. Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp or if the following conditions are not met:
 - 1. Prime and Tack Coats: Minimum surface temperature of 60 deg F.
 - 2. Slurry Coat: Comply with weather limitations of ASTM D 3910.
 - 3. Asphalt Base Course: Minimum surface temperature of 40 deg F and rising at time of placement.
 - 4. Asphalt Surface Course: Minimum surface temperature of 60 deg F at time of placement.

PART 2 - PRODUCTS

2.1 AGGREGATES

- A. General: Use materials and gradations that have performed satisfactorily in previous installations.
- B. Coarse Aggregate: ASTM D 692, sound; angular crushed stone, crushed gravel, or properly cured, crushed blast-furnace slag.
- C. Fine Aggregate: ASTM D 1073 sharp-edged natural sand or sand prepared from stone, gravel, properly cured blast-furnace slag, or combinations thereof.
 - 1. For hot-mix asphalt, limit natural sand to a maximum of 20 percent by weight of the total aggregate mass.
- D. Mineral Filler: ASTM D 242 rock or slag dust, hydraulic cement, or other inert material.

2.2 ASPHALT MATERIALS

- A. Asphalt Binder: AASHTO MP 1
- B. Retain paragraph below with option for viscosity- or penetration-graded asphalt cement if these materials are available and required. Viscosity testing measures properties more accurately than penetration testing. Add viscosity or penetration grades to below if required.
- C. Prime Coat: ASTM D 2027, medium-curing cutback asphalt, MC-30.
- D. Prime Coat: Asphalt emulsion prime complying with PennDOT requirements.
- E. Tack Coat: ASTM D 977 cationic emulsified asphalt, slow setting, diluted in water, of suitable grade and consistency for application.
- F. Water: Potable.
- G. Pavement Marking Material: 70 mil Thermoplastic Pavement Marking with reflective additive.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that subgrade is dry and in suitable condition to support paving and imposed loads.
- B. Proof-roll subbase using heavy, pneumatic-tired rollers to locate areas that are unstable or that require further compaction.
- C. Proceed with paving only after unsatisfactory conditions have been corrected.

3.2 HOT-MIX ASPHALT PLACING

- A. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand to areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.
 - 1. Place hot-mix asphalt base course in number of lifts and thicknesses indicated.
 - 2. Place hot-mix asphalt surface course in single lift.
 - 3. Spread mix at minimum temperature of 250 deg F.
 - 4. Begin applying mix along centerline of crown for crowned sections and on high side of one-way slopes, unless otherwise indicated.
 - 5. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.

- B. Place paving in consecutive strips not less than 10 feet wide unless infill edge strips of a lesser width are required.
 - 1. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Complete a section of asphalt base course before placing asphalt surface course.

- C. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

- D. Apply Pavement Markings per the approved parking lot layout; including ADA markings for accessible parking spaces.

END

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Cast-In Place Concrete Work.

B. Related Work specified elsewhere:

1. Joint Sealers: Section 07900

1.02 QUALITY ASSURANCE

A. Comply with provisions of the following standards, as applicable, except where more stringent requirements are shown or specified:

1. ACI 301, "Specifications for Structural Concrete for Buildings".
2. ACI 302, "Guide for Floor and Slab Construction".
3. ACI 304, "Recommended Practice for Measuring, Mixing, Transporting and Placing Concrete".
4. ACI 311, "Recommended Practice for Concrete Inspection."
5. ACI 318, "Building Code Requirements for Reinforced Concrete."
6. ACII 347, "Recommended Practice for Concrete Formwork".
7. Concrete Reinforcing Steel Institute, "Manual of Standard Practice".

B. Concrete Testing Service: Engage, at Contractor's expense, a testing agency acceptable to Architect to perform materials evaluation testing and to design concrete mixes.

C. Materials certificates signed by concrete producer and Contractor may be submitted in lieu of materials laboratory testing when acceptable to Architect.

1.03 SUBMITTALS

A. Product data for reinforcement, forming accessories, admixtures, patching compounds, water stops, joint systems, curing compounds, dry-shake finish materials, if used.

B. Shop drawings for fabricating, bending, and placing concrete reinforcement.

C. Concrete mix designs.

D. Material Certificates: Provide materials certificates in lieu of materials laboratory test reports when permitted by the Architect, signed by the Concrete Producer and the Contractor, certifying that each material item complies with, or exceeds, specified requirements.

PART 2 – PRODUCTS

2.01 FORM MATERIALS

A. Supply form materials with sufficient stability to withstand pressure of placed concrete without bow or deflection.

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- B. Forms for Exposed Finish Concrete Surfaces: Plywood, metal, metal-framed plywood faced or other acceptable panel-type material to provide continuous, straight, smooth, exposed surfaces. Furnish in largest practicable sizes to minimize number of joints and to conform to joint system where shown on drawings.
- C. Form Ties: Factory fabricated metal form ties of proper length, designed to prevent deflection and to prevent spalling concrete surfaces upon removal.
 - 1. Use snap-off ties which will leave no metal closer than 1-1/2" to surface and when removed, will leave holes not larger than 1" diameter in concrete surface.
- D. Form Coatings: Commercial formulation form-coating compounds that will not bond with, stain nor adversely affect concrete surfaces, and will not impair subsequent treatments of concrete surfaces.

2.02 REINFORCING MATERIALS

- A. Reinforcing Bars: ASTM A 615, Grade 60, deformed.
- B. Welded Wire Fabric: ASTM A 185, welded steel wire fabric.
- C. Supports for Reinforcement: Bolsters, chairs, spacers and other devices for spacing, supporting and fastening reinforcing bars and welded wire fabric in place. Use wire bar type supports complying with CRSI specifications.
 - 1. For slabs-on-grade, use supports with sand plates or horizontal runners where base material will not support chair legs.

2.03 CONCRETE MATERIALS

- A. Portland Cement: ASTM C 150, Type 1.
 - 1. Type III may be used for high early strength concrete.
 - 2. Use one brand of cement throughout the project.
- B. Fly Ash: ASTM C 618, Type F.
 - 1. Limit use of ash to not exceed 25% of cement content by weight.
 - 2. Use permitted in foundation concrete only.
- C. Normal Weight Aggregates:
 - 1. General: ASTM C 33, and as herein specified.
 - a. Local aggregates not complying with ASTM C33, but which have shown by special test to produce concrete of adequate strength and durability may be used when acceptable to Architect.
 - 2. Fine Aggregates: Clean, sharp, natural sand free from loam, clay, lumps or other deleterious substances.
 - a. Dune sand, bank run sand and manufactured sand are not acceptable.
 - 3. Course Aggregates: Clean, uncoated, processed aggregate containing no clay, mud, loam or foreign material.
 - a. Crushed stone, processed from natural rock or stone.
 - b. Washed gravel, either natural or crushed. Use of pit or bank run gravel

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- is not permitted.
 - c. Maximum aggregate size: Not larger than one-fifth of narrowest dimension between sides of forms, one-third of depth of slabs nor three-fourths of minimum clear spacing between individual reinforcing bars or bundles of bars.
- D. Water: Potable.
- E. Air-Entraining Admixture: ASTM C 260, certified by manufacturer to be compatible with other required admixtures.
- 1. Products: Provide one of the following:
 - a. "Air-Tite"; Gifford-Hill/American Admixtures
 - b. "MB-VR or MB-AE"; Master Builders
 - c. "Air-Mix"; Euclid Chemical Company

2.04 RELATED MATERIALS

- A. Vapor Barrier: Polyethylene sheet not less than 8 mils thick.
- B. Membrane-Forming Curing Compound: Liquid type membrane forming curing compound complying with ASTM C 309, Type I, Class B. Moisture loss not more than 0.55 kg/sq. meter when applied at 200 sq. ft./gal.
- 1. Provide written certification from manufacturer warranting complete dissipation of resin in not more than 45 days, that any residual material is readily removable and that, after dissipation and removal, floor surface can be satisfactorily used to bond resilient flooring and carpeting using standard commercially available and recommended adhesives, and will be compatible with the specified sealer.
 - 2. Products:
 - a. "Kurez DR"; Euclid Chemical Company
 - b. "Sealtite AR 30"; W.R. Meadows, Inc.
- C. Non-Metallic, Non-Shrink Grout: Pre-mixed, non-metallic, non-corrosive, non-staining product containing selected silica sands, portland cement, shrinkage compensating agents, plasticizing and water reducing agents, complying with CRD-C621.
- 1. Products: Provide one of the following:
 - a. "Supreme"; Gifford-Hill/American Admixtures
 - b. "Set Grout"; Master Builders
 - c. "Euco-NS"; Euclid Chemical Company
- D. Sealer: A high solids acrylic copolymer with gloss finish.
- 1. Products: "Super Rez-Seal"; Euclid Chemical Company.
- E. Preformed Expansion Joint Fillers: Provide resilient and non-extruded type premolded bituminous impregnated fiberboard units complying with ASTM D 1751, FS HH-F-341, Type I and AASHO M 213.
- 1. Products:
 - a. Flexcell; Celotex Corp.
 - b. Fiber; W.R. Meadows
 - c. Flex-Ct and Gray-Flex; Old North Mfg. Co., Inc.

SECTION 03330 – CAST IN PLACE CONCRETE

2.05 PROPORTIONING AND DESIGN OF MIXES

- A. Mix Proportions and Design: Proportion mixes complying with mix design procedures specified in ACI 301.
- B. Design mixes to provide normal weight concrete with the following properties:
 - 1. 4000-psi, 28-day compressive strength; water-cement ratio, 0.58 maximum (non-air-entrained), 0.46 maximum (air-entrained).
 - 2. 3000-psi, 28-day compressive strength; water-cement ratio, 0.58 maximum (non-air-entrained), 0.46 maximum (air-entrained).
- C. Slump Limits: Proportion and design mixes to result in concrete slump at point of placement as follows:
 - 1. Ramps, Slabs, and Sloping Surfaces: Not more than 3 inches.
 - 2. Other Concrete: Not more than 4 inches.
- D. Use air-entraining admixture in exterior exposed concrete, providing not less than 4.5 percent nor more than 7 percent entrained air for concrete exposed to freezing and thawing.
- E. Use water-reducing, accelerating, and retarding admixtures that have been tested and accepted in mix designs in strict compliance with manufacturer's directions.
- F. Job-Site Mixing: Use drum-type batch machine mixer, mixing not less than 1-1/2 minutes for 1 cu. yd. or smaller capacity. Increase mixing time at least 15 seconds for each additional cu. yd.
- G. Ready-Mix Concrete: Comply with ASTM C 94.

PART 3 - EXECUTION

3.01 GENERAL

- A. Coordinate the installation of joint materials and vapor retarders with placement of forms and reinforcing steel.

3.02 FORMS

- A. Construct formwork so that concrete members and structures are of correct size, shape, alignment, elevation, and position. Select form materials to obtain required finishes.
- B. Maintain formwork tolerances and surface irregularities within ACI 347 limits, Class A tolerances for concrete exposed to view and Class C tolerances for other concrete surfaces.
- C. Provide openings in formwork to accommodate work of other trades. Accurately place and securely support items built into forms.
- D. Clean and adjust forms prior to concrete placement. Apply form-release agents or wet forms as required. Retighten forms during concrete placement, if required, to eliminate mortar leaks.

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3.03 VAPOR RETARDER INSTALLATION

- A. Following leveling and tamping of granular base for slabs on grade, place vapor retarder/barrier membrane with longest dimensions parallel with direction of pour; lap joints 6 inches and seal with appropriate tape.

3.04 PLACEMENT OF REINFORCEMENT

- A. Accurately position and support reinforcement, and secure against displacement. Locate and support reinforcement to maintain minimum cover with metal chairs, runners, bolsters, spacers, and hangers as required. Set wire ties with ends directed into concrete, not toward exposed concrete surfaces.
- B. Install welded wire fabric in lengths as long as practicable; lap at least one full mesh and lace splices with wire.

3.05 JOINTS

- A. Place Isolation and Control Joints in slabs-on-ground to stabilize differential settlement and prevent random cracking. Locate and install joints as indicated or, if not indicated, locate so as not to impair strength and appearance of structure, as acceptable to the Architect.
- B. Construct Isolation Joints in slabs-on-ground at points of contact between slabs-on-ground and vertical surfaces, such as column pedestals, foundation walls, grade beams and elsewhere as indicated.
- C. Construct Contraction (Control) Joints in slabs-on-ground to form panels of patterns as shown, or, if not shown, provide joints not exceeding 15 feet in either direction and located to conform with bay spacings wherever possible (column centerlines, half bays, third bays, etc). Use saw cuts 1/8 inch wide by 1/4 slab depth or inserts 1/4 inch wide by 1/4 of slab depth, unless otherwise indicated.
- D. Roughen interface surfaces and apply epoxy bonding agent on existing concrete surfaces that will be joined with fresh concrete.

3.06 INSTALLATION OF EMBEDDED ITEMS

- A. Set and build anchorage devices required for other work that is attached to or supported by cast-in-place concrete.

3.07 PLACEMENT OF CONCRETE

- A. Comply with ACI 304, "Guide for Measuring, Mixing, Transporting, and Placing Concrete," for placing concrete in a continuous operation within planned joints or sections. Do not begin concrete placement until other affected work is completed.
- B. Consolidate placed concrete using mechanical vibrating equipment so that concrete is worked around reinforcement and other embedded items and into forms.

SECTION 03330 – CAST IN PLACE CONCRETE

- C. Protect concrete from physical damage or reduced strength due to weather extremes during mixing, placing, and curing.
 - 1. In cold weather comply with ACI 306.
 - 2. In hot weather comply with ACI 305.

3.08 FINISH OF FORMED SURFACES

- A. Smooth-Formed Finish: Provide a smooth finish for concrete surfaces exposed to view and surfaces to be covered with a coating or covering material applied directly to concrete. Repair and patch defective areas, with fins and other projections completely removed and smoothed.
- B. Broom finish: Provide broom finish at exposed concrete slab floors.

3.09 MONOLITHIC SLAB FINISHES

- A. Float Finish: Apply float finish to monolithic slab surfaces to receive trowel finish when surface water has disappeared and when concrete has stiffened sufficiently to permit operation of power-driven floats. Consolidate surface with power-driven floats or by hand-floating.
 - 1. Check and level surface plane to tolerances of F(F) 18 (floor flatness) and F(L) 15 (floor levelness). Cut down high spots and fill low spots. Uniformly slope surfaces of drains. Immediately after leveling, refloat surface to a uniform, smooth, granular texture.
- D. Nonslip Broom Finish: Apply nonslip broom finish to exterior concrete platforms, steps, and ramps, interior slabs and elsewhere as indicated.
 - 1. Immediately after float finishing, slightly roughen concrete surface by brooming with fiber-bristle broom perpendicular to main traffic route.
- E. Curing:
 - 1. Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.
 - 2. Begin initial curing as soon as free water has disappeared from exposed surfaces.
 - 3. Continue curing unformed concrete surfaces by water ponding, or by moisture-retaining cover curing. Cure formed surfaces by moist curing until forms are removed. Keep concrete continuously moist for not less than 72 hours for high-early strength concrete and 7 days for all other concrete.
 - 4. Apply membrane-forming curing compound to exposed concrete as soon as final finishing operations are complete. Apply uniformly according to manufacturer's directions. Recoat areas subjected to heavy rainfall within 3 hours after initial application. Maintain continuity of coating and repair damage during curing period.
 - 5. Use membrane-curing compounds that will not affect surfaces to be covered with finish materials applied directly to concrete.
 - 6. Apply sealer per manufacturer's instructions.
- F. All holes or penetrations in the existing concrete floor slab must receive structural concrete patches unless specifically noted to be reused for new construction.

3.10 FIELD QUALITY CONTROL

- A. The Contractor shall employ an independent testing agency to perform tests and to submit test reports.
- B. Sampling and testing for quality control during concrete placement may include the following:
 - 1. Slump: ASTM C 143; one test at point of discharge for each day's pour of each type of concrete; additional tests when concrete consistency seems to have changed.
 - 2. Compressive-Strength Tests: ASTM C 39; one set for each day's pour exceeding 5 cu. yd. plus additional sets for each 50 cu. yd. more than the first 25 cu. yd. of each concrete class placed in any one day; one specimen tested at 7 days, two specimens tested at 28 days, and one specimen retained in reserve for later testing if required.
 - 3. Strength level of concrete will be considered satisfactory if averages of sets of three consecutive strength test results equal or exceed specified compressive strength and no individual strength test result falls below specified compressive strength by more than 500 psi.
- C. Test results will be reported in writing to Architect, Structural Engineer, ready-mix producer, and Contractor within 24 hours after tests. Reports of compressive strength tests shall contain the Project identification name and number, date of concrete placement, name of concrete testing service, concrete type and class, location of concrete batch in structure, design compressive strength at 28 days, concrete mix proportions and materials, compressive breaking strength, and type of break for both 7-day tests and 28-day tests.
- D Additional Tests: The testing agency shall make additional tests of in-place concrete when test results indicate specified concrete strengths and other characteristics have not been attained in the structure, as directed by Architect. Testing agency may conduct tests to determine adequacy of concrete by cored cylinders complying with ASTM C 42, or by other methods as directed.

END OF SECTION 03300

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Comply with the requirements of the following AISC specifications and standards, as they relate to fabrication, erection and construction of the structural steel, which are incorporated herein by this reference, unless more restrictive requirements are stated elsewhere in the Contract Documents.
 - 1. AISC's "Code of Standard Practice for Steel Buildings and Bridges."
 - 2. AISC's "Seismic Provisions for Structural Steel Buildings" and "Supplement No. 2."
 - 3. AISC's "**Load and Resistance Factor Design Specification for Structural Steel Buildings**"
 - 4. AISC's "**Load and Resistance Factor Design** Specification for Steel Hollow Structural Sections."
 - 5. AISC's "**Load and Resistance Factor Design Specification of Single-Angle Members**]."
 - 6. RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts."
- C. A copy of all current Contract Documents and the above referenced specifications and standards shall be kept on site for reference at all times and be available to all contractors performing work under this Section and to the testing and inspection agencies.
- D. All personnel providing inspection services shall have in their possession at all times, a copy of the current structural drawings including addenda and field sketches, and these specifications and standards or documents referenced herein or relating to the work of this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Structural steel.
 - 2. Architecturally exposed structural steel.
 - 3. Grout.
 - 4. Hardware, anchors of any type to be attached to the structural steel.
- B. Related Sections include the following:
 - 1. Division 1 Section "Quality Requirements" for independent testing agency procedures and administrative requirements.
 - 2. Division 4 Sections, "Structural Masonry" and "Masonry" for attachments and anchor devices to be attached to the Structural Steel.
 - 3. Division 5 Section "Steel Deck" for field installation of shear connectors.

4. Division 5 Section "Metal Fabrications" for steel lintels or shelf angles not attached to structural-steel frame, miscellaneous steel fabrications and other metal items not defined as structural steel.
5. Division 9 painting Sections for additional surface preparation and priming requirements.

1.3 DEFINITIONS

- A. Structural Steel: Elements of structural-steel frame, as classified by AISC's "Code of Standard Practice for Steel Buildings and Bridges," that support design loads.
- B. SER: Structural Engineer of Record as indicated on the Contract Documents.

1.4 SUBMITTALS: All submittals shall be reviewed by the General Contractor/ Construction Manager for compliance with the Contract Documents and shall be stamped and signed by a representative of the General Contractor/ Construction Manager, indicating that the submittal complies with the requirements of the Contract Documents. (Any submittal not in compliance with this requirement will be rejected without review by the SER).

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show fabrication of structural-steel components.
 1. Include details of cuts, connections, splices, camber, holes, and other pertinent data.
 2. Include embedment drawings.
 3. Indicate welds by standard AWS symbols, distinguishing between shop and field welds, and show size, length, and type of each weld.
 4. Indicate type, size, and length of bolts, distinguishing between shop and field bolts. Identify pretensioned and slip-critical high-strength bolted connections.
- C. Welding certificates for all personnel performing shop or field welds.
- D. Qualification Data: For Installer, fabricator, erector and testing agency.
- E. Mill Test Reports: Signed by manufacturers certifying that the following products comply with requirements:
 1. Structural steel including chemical and physical properties.
 2. Bolts, nuts, and washers including mechanical properties and chemical analysis.
 3. Direct-tension indicators.
 4. Tension-control, high-strength bolt-nut-washer assemblies.
 5. Shear stud connectors.
 6. Shop primers.
 7. Nonshrink grout.
- F. Source quality-control test reports.
- G. Statement of qualifications for all inspection and testing personnel to be utilized on the Project, including supervisory personnel, indicating education, specific inspection qualifications relevant

to the Project and attaching copies of all certificates for the individual as proof of required certifications.

- H. Statement of Qualifications for supervisory and selected certified operations personnel indicating relevant experience and attaching copies of all certificates for the individual as proof of required certifications.
- I. Submission Schedule: Prior to any submissions under this Section, a schedule of materials, shop drawings and data etc. to be submitted, designating date to be submitted, and allowing the required time for review in accordance with the Contract Documents.
- J. Field quality-control test and inspection reports.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer (erector) who participates in the AISC Quality Certification Program and is designated an AISC-Certified Erector, Category **CASE**.
- B. Fabricator Qualifications: A qualified fabricator who participates in the AISC Quality Certification Program and is designated an AISC-Certified Plant, Category **Cbd**.
- C. Shop-Painting Applicators: Qualified according to AISC's Sophisticated Paint Endorsement **P3** or SSPC-QP 3, "Standard Procedure for Evaluating Qualifications of Shop Painting Applicators."
- D. Welding: Qualify procedures and personnel according to AWS D1.1, "Structural Welding Code--Steel."
- E. Comply with applicable provisions of the following specifications and documents unless more restrictive requirements are indicated in the Contract Documents:
 - 1. AISC's "Code of Standard Practice for Steel Buildings and Bridges."
 - 2. AISC's "Seismic Provisions for Structural Steel Buildings" and "Supplement No. 2."
 - 3. AISC's "Load and Resistance Factor Design Specification for Structural Steel Buildings"
 - 4. AISC's "Load and Resistance Factor Design Specification for Steel Hollow Structural Sections."
 - 5. AISC's "Load and Resistance Factor Design Specification of Single-Angle Members."
 - 6. RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts."
- F. Testing Agency Qualifications: An independent agency, acceptable to authorities having jurisdiction and the Structural Engineer of Record, SER.
 - 1. Personnel conducting field tests shall be qualified.
 - 2. All Testing Agency operations shall be under the direct supervision of a Professional Engineer licensed to practice in the jurisdiction of the Project.
 - 3. All weld inspection shall be by a AWS Certified Welding inspector.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store materials to permit easy access for inspection and identification. Keep steel members off ground and spaced by using pallets, dunnage, or other supports and spacers. Protect steel members and packaged materials from erosion and deterioration.
1. Store fasteners in a protected place. Clean and relubricate bolts and nuts that become dry or rusty before use.
 2. Do not store materials on structure in a manner that might cause distortion, damage, or overload to members or supporting structures. Repair or replace damaged materials or structures as directed.

1.7 COORDINATION

- A. Furnish anchorage items to be embedded in or attached to other construction without delaying the Work. Provide setting diagrams, sheet metal templates, instructions, and directions for installation.

PART 2 - PRODUCTS

2.1 STRUCTURAL-STEEL MATERIALS

- A. W-Shapes: **ASTM A 992**.
- B. Channels, Angles: **ASTM A36**.
- C. Plate and Bar: **ASTM A36**.
- D. Cold-Formed Hollow Structural Sections: ASTM A 500, Grade **[B]** structural tubing.
- E. Steel Pipe: ASTM A 53/A 53M, Type E or S, Grade B.
1. Weight Class: As indicated on the structural drawings.
 2. Finish: **Black, except where indicated to be galvanized**.
- F. Welding Electrodes: Comply with AWS requirements.

2.2 BOLTS, CONNECTORS, AND ANCHORS

- A. High-Strength Bolts, Nuts, and Washers: **ASTM A 325 (ASTM A 325M)**, Type 1, heavy hex steel structural bolts; **ASTM A 563 (ASTM A 563M)** heavy hex carbon-steel nuts; and **ASTM F 436 (ASTM F 436M)** hardened carbon-steel washers.
1. Finish: **Plain** except where **Hot-dip zinc coating, ASTM A 153/A 153M, Class C** is indicated on the structural drawings and where galvanized steel is connected..

2. Direct-Tension Indicators: **ASTM F 959, Type 325** (ASTM F 959M, Type 8.8,) compressible-washer type.
 - a. Finish: **Plain** except where galvanized bolts are used, provide **Mechanically deposited zinc coating, ASTM B 695, Class 50.**

- B. High-Strength Bolts, Nuts, and Washers: ASTM A325 or **ASTM A 490** (ASTM A 490M), Type 1, heavy hex steel structural bolts as indicated on the structural drawings, **or tension-control, bolt-nut-washer assemblies with splined ends; ASTM A 563** (ASTM A 563M) heavy hex carbon-steel nuts; and **ASTM F 436** (ASTM F 436M) hardened carbon-steel washers, plain.
 1. Direct-Tension Indicators: **ASTM F 959, Type 490** (ASTM F 959M,) Type 10.9, compressible-washer type, plain.

- C. Tension-Control, High-Strength Bolt-Nut-Washer Assemblies: ASTM F 1852, Type 1, **heavy hex round** head steel structural bolts with splined ends; **ASTM A 563** (ASTM A 563M) heavy hex carbon-steel nuts; and **ASTM F 436** (ASTM F 436M) hardened carbon-steel washers.
 1. Finish: **Plain** except where galvanized bolts are used, provide **Mechanically deposited zinc coating, ASTM B 695, Class 50**].

- D. Shear Connectors: ASTM A 108, Grades 1015 through 1020, headed-stud type, cold-finished carbon steel; AWS D1.1, Type B.

- E. Unheaded Anchor Rods: **ASTM A 572/A 572M, Grade 50 (345)**, except **ASTM A 36/A 36M** or **ASTM A 307, Grade A** (ASTM F 568M, Property Class 4.6) where indicated on the **structural drawings**.
 1. Configuration: As shown on the structural drawings
 2. Nuts: **ASTM A 563** (ASTM A 563M) heavy hex carbon steel.
 3. Plate Washers: ASTM A 36/A 36M carbon steel.
 4. Washers: **ASTM F 436** (ASTM F 436M) hardened carbon steel.
 5. Finish: **Plain**, except where galvanized members are being connected, provide **Hot-dip zinc coating, ASTM A 153/A 153M, Class C.**

- F. Headed Anchor Rods: **ASTM F 1554, Grade 36** except **ASTM A 307, Grade A** where **indicated on the structural drawings**, straight.
 1. Nuts: **ASTM A 563** (ASTM A 563M) heavy hex carbon steel.
 2. Plate Washers: ASTM A 36/A 36M carbon steel.
 3. Washers: **ASTM F 436** (ASTM F 436M) hardened carbon steel.
 4. Finish: **Plain** except where galvanized members are being connected, provide **Hot-dip zinc coating, ASTM A 153/A 153M, Class C.**

- G. Threaded Rods: **ASTM A 572/A 572M, Grade 50 (345)** except **ASTM A 36/A 36M** or **ASTM A 307, Grade A** (ASTM F 568M, Property Class 4.6) where indicated on the structural drawings.
 1. Nuts: **ASTM A 563** (ASTM A 563M) heavy hex carbon steel.

2. Washers: **ASTM F 436 (ASTM F 436M) hardened** carbon steel.
3. Plate Washers: Plate Washers: ASTM A 36/A 36M carbon steel.
4. Finish: **Plain** except where galvanized members are being connected, provide **Hot-dip zinc coating, ASTM A 153/A 153M, Class C.**

H. **Clevises and Turnbuckles:** ASTM A 108, Grade 1035, cold-finished carbon steel.

I. Eye Bolts and Nuts: ASTM A 108, Grade 1030, cold-finished carbon steel.

J. Sleeve Nuts: ASTM A 108, Grade 1018, cold-finished carbon steel.

2.3 PRIMER

A. Primer: Fast-curing, lead and chromate free, universal modified-alkyd primer with good resistance to normal atmospheric corrosion, complying with performance requirements of FS TT-P-664.

B. Galvanizing Repair Paint: **ASTM A 780.**

2.4 GROUT

A. Cement Grout: Portland cement, ASTM C 150, Type I; and clean, natural sand, ASTM C 404, Size No. 2. Mix at ratio of 1 part cement to 2-1/2 parts sand, by volume, with minimum water required for placement and hydration.

B. Nonmetallic, Shrinkage-Resistant Grout: ASTM C 1107, factory-packaged, nonmetallic aggregate grout, noncorrosive, nonstaining, mixed with water to consistency suitable for application and a 30-minute working time.

2.5 FABRICATION

A. Structural Steel: Fabricate and assemble in shop to greatest extent possible. Fabricate according to AISC's "Code of Standard Practice for Steel Buildings and Bridges" and AISC, **Load and Resistance Factor Design Specification for Structural Steel Buildings."**

1. Camber structural-steel members where indicated.
2. Identify high-strength structural steel according to ASTM A 6/ A 6M and maintain markings until structural steel has been erected.
3. Mark and match-mark materials for field assembly.
4. Complete structural-steel assemblies, including welding of units, before starting shop-priming operations.
5. Trusses assembled in the field shall be subject to the same tolerance requirements as trusses assembled in the shop.
6. Trusses and other members fabricated in segments in the shop and spliced in the field and not specified to have a camber, shall be considered to be specified with a camber of zero inches and subject to the same tolerance as such members specified with a non-zero camber.

- B. Architecturally Exposed Structural Steel: For all steel members that will be exposed to public view in the finished project, comply with fabrication requirements, including tolerance limits, of AISC's "Code of Standard Practice for Steel Buildings and Bridges" for structural steel identified as architecturally exposed structural steel.
1. Fabricate with exposed surfaces smooth, square, and free of surface blemishes including pitting, rust, scale, **seam marks, roller marks, rolled trade names** and roughness.
 2. Remove blemishes by filling or grinding or by welding and grinding, before cleaning, treating, and shop priming.
- C. Thermal Cutting: Perform thermal cutting by machine to greatest extent possible.
1. Plane thermally cut edges to be welded to comply with requirements in AWS D1.1.
- D. Bolt Holes: Drill, or punch standard bolt holes perpendicular to metal surfaces.
- E. Finishing: Accurately finish ends of columns and other members transmitting bearing loads.
- F. Cleaning: Clean and prepare steel surfaces that are to remain unpainted according to **SSPC-SP 2, "Hand Tool Cleaning."**
- G. Shear Connectors: Prepare steel surfaces as recommended by manufacturer of shear connectors. Use automatic end welding of headed-stud shear connectors according to AWS D1.1 and manufacturer's written instructions.
- H. Steel Wall-Opening Framing: Select true and straight members for fabricating steel wall-opening framing to be attached to structural steel. Straighten as required to provide uniform, square, and true members in completed wall framing.
- I. Holes: Provide holes required for securing other work to structural steel and for passage of other work through steel framing members.
1. Drill, or punch holes perpendicular to steel surfaces. **Do not thermally cut bolt holes or enlarge holes by burning.**
 2. Base-Plate Holes: Drill, or punch holes perpendicular to steel surfaces.
 3. Weld threaded nuts to framing and other specialty items indicated to receive other work.
- J. Attachments: Place, secure and attach anchorage devices and other attached items required for adjoining work that is attached to or supported by structural steel. Review and approve and provide information for the production of the Coordinated Opening, Attachment and Embedment Drawings. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.
1. Weld or otherwise attach masonry anchor slots or attachments at all locations where structural steel will be enclosed in or faced with masonry. Install anchors spaced a maximum of 24 inches horizontally and 18 inches vertically unless closer spacing is required by the Contract Documents. Coordinate locations with architectural documents and include items on the required Coordinated Opening, Attachment and Embedment Drawings.

- K. Items to be Installed by Other Trades: Fabricate and provide embedded plates, anchorage devices, connections and other structural steel items required to be installed by other trades for support of structural steel. Review and approve and provide information for the production of the Coordinated Opening, Attachment and Embedment Drawings. Provide setting drawings, templates, diagrams, instructions, and directions for installation.

2.6 SHOP CONNECTIONS

- A. High-Strength Bolts: Shop install high-strength bolts according to RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts" for type of bolt and type of joint specified.
1. Joint Type:
 - a. **Snug tightened** where not otherwise indicated.
 - b. **Pretensioned** where indicated on the structural drawings
 - c. **Slip critical** for connection of all truss members and splices; beam and girder splices; bracing and moment connections and where indicated on the structural drawings.
- B. Weld Connections: Comply with AWS D1.1 for welding procedure specifications, tolerances, appearance, and quality of welds and for methods used in correcting welding work.
1. Remove backing bars or runoff tabs, back gouge, and grind steel smooth where the final work will be exposed to public view in the completed project.
 2. Assemble and weld built-up sections by methods that will maintain true alignment of axes without exceeding tolerances of AISC's "Code of Standard Practice for Steel Buildings and Bridges" for mill material.
 3. Where the final work will be exposed to public view in the completed project, verify that weld sizes, fabrication sequence, and equipment used for architecturally exposed structural steel will limit distortions to allowable tolerances **Prevent weld show-through on exposed steel surfaces.**
 - a. Grind butt welds flush.
 - b. Grind or fill exposed fillet welds to smooth profile. Dress exposed welds.

2.7 SHOP PRIMING

- A. Shop prime steel surfaces except the following:
1. Surfaces embedded in concrete or mortar. Extend priming of partially embedded members to a depth of **2 inches (50 mm)**.
 2. Surfaces to be field welded.
 3. Surfaces to be high-strength bolted with slip-critical connections.
 4. Surfaces to receive sprayed fire-resistive materials.
 5. Galvanized surfaces..
 - 6.

- B. Fabricator shall coordinate and perform additional cleaning as required by the primer manufacturer for maximum performance of primer paint.
- C. Fabricator shall coordinate and perform additional cleaning and preparation for all additional coatings that will be applied to the structural steel including but not limited to fire proofing and final paint coatings.
- D. Painting: Apply a 1-coat, nonasphaltic primer complying with SSPC-PS Guide 7.00, "Painting System Guide 7.00: Guide for Selecting One-Coat Shop Painting Systems," to provide a dry film thickness of not less than **1.5 mils (0.038 mm)**.

2.8 GALVANIZING

- A. Hot-Dip Galvanized Finish: Apply zinc coating by the hot-dip process to structural steel according to ASTM A 123/ A 123M.
 - 1. Fill vent holes and grind smooth after galvanizing.
 - 2. Galvanize **lintels** and **shelf angles** attached to structural-steel frame and located in exterior walls and all steel that will be exposed to weather in the final structure.

2.9 SOURCE QUALITY CONTROL

- A. Owner will engage an independent testing and inspecting agency to perform shop tests and inspections and prepare test reports.
 - 1. Provide testing agency with access to places where structural-steel work is being fabricated or produced to perform tests and inspections.
- B. Correct deficiencies in Work that test reports and inspections indicate does not comply with the Contract Documents.
- C. Bolted Connections: Shop-bolted connections will be **tested and** inspected according to RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts."
- D. Welded Connections: In addition to visual inspection, shop-welded connections will be tested and inspected according to AWS D1.1 and the following inspection procedures, at testing agency's option:
 - 1. Liquid Penetrant Inspection: ASTM E 165.
 - 2. Magnetic Particle Inspection: ASTM E 709; performed on root pass and on finished weld. Cracks or zones of incomplete fusion or penetration will not be accepted.
 - 3. Ultrasonic Inspection: ASTM E 164.
 - 4. Radiographic Inspection: ASTM E 94.
- E. In addition to visual inspection, shop-welded shear connectors will be tested and inspected according to requirements in AWS D1.1 for stud welding and as follows:

1. Bend tests will be performed if visual inspections reveal either a less-than- continuous 360-degree flash or welding repairs to any shear connector.
2. Tests will be conducted on additional shear connectors if weld fracture occurs on shear connectors already tested, according to requirements in AWS D1.1.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify elevations of concrete- and masonry-bearing surfaces and locations of anchor rods, bearing plates, and other embedments, with steel erector present, for compliance with requirements.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Provide temporary shores, guys, braces, and other supports during erection to keep structural steel secure, plumb, and in alignment against temporary construction loads and loads equal in intensity to design loads. Remove temporary supports when permanent structural steel, connections, and bracing are in place, unless otherwise indicated.
 1. The structure is not stable until all connections of structural steel and metal deck have been completed and concrete floors are installed and have achieved full strength. Further, stability of the building is provided by masonry and concrete walls and lateral bracing. The contractor shall be responsible for temporary support of the structure until fully complete.

3.3 ERECTION

- A. Set structural steel accurately in locations and to elevations indicated and according to AISC's "Code of Standard Practice for Steel Buildings and Bridges" and **Load and Resistance Factor Design Specification for Structural Steel Buildings.** Where structural steel work will be exposed to public view in the finished project, conform to the above standards as they relate to Architecturally Exposed Structural Steel.
- B. **Base and Bearing Plates:** Clean concrete- and masonry-bearing surfaces of bond-reducing materials, and roughen surfaces prior to setting base **and bearing** plates. Clean bottom surface of base **and bearing** plates.
 1. Set base **and bearing** plates for structural members on wedges, shims, or setting nuts as required.
 2. Weld plate washers to top of base plate where shown on the structural drawings.

3. **Pretension** anchor rods after supported members have been positioned and plumbed. Do not remove wedges or shims but, if protruding, cut off flush with edge of base **or bearing** plate before packing with grout.
 4. Promptly pack grout solidly between bearing surfaces and base **or bearing** plates so no voids remain. Neatly finish exposed surfaces; protect grout and allow to cure. **Comply with manufacturer's written installation instructions for shrinkage-resistant grouts.**
- C. Retain option in first paragraph below if architecturally exposed structural steel is also required. Maintain erection tolerances of structural steel **and** where the final work will be exposed to public view in the completed project., (**architecturally exposed structural steel**) within AISC's "Code of Standard Practice for Steel Buildings and Bridges."
- D. Align and adjust various members forming part of complete frame or structure before permanently fastening. Before assembly, clean bearing surfaces and other surfaces that will be in permanent contact with members. Perform necessary adjustments to compensate for discrepancies in elevations and alignment.
1. Level and plumb individual members of structure.
 2. Make allowances for difference between temperature at time of erection and mean temperature when structure is completed and in service.
- E. Splice members only where indicated.
- F. Remove erection bolts on welded, architecturally exposed structural steel; fill holes with plug welds; and grind smooth at exposed surfaces.
- G. Do not use thermal cutting during erection **unless approved in advance by the SER. Finish thermally cut sections within smoothness limits in AWS D1.1.**
- H. Do not enlarge unfair holes in members by burning or using drift pins. Ream holes that must be enlarged to admit bolts.
- I. Do not enlarge any holes without advance approval of the SER.

3.4 FIELD CONNECTIONS

- A. High-Strength Bolts: Install high-strength bolts according to RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts" for type of bolt and type of joint specified.
1. Joint Type:
 - a. **Snug tightened** where not otherwise indicated on the contract documents.
 - b. Pretensioned where indicated on the contract documents
 - c. **Slip critical.** for connection of all truss members and splices; beam and girder splices; bracing and moment connections and where indicated on the structural drawings.
- B. Weld Connections: Comply with AWS D1.1 for welding procedure specifications, tolerances, appearance, and quality of welds and for methods used in correcting welding work.

1. Comply with AISC's "Code of Standard Practice for Steel Buildings and Bridges" and **Load and Resistance Factor Design Specification for Structural Steel Buildings** for bearing, adequacy of temporary connections, alignment, and removal of paint on surfaces adjacent to field welds.
2. Remove backing bars or runoff tabs, back gouge, and grind steel smooth for architecturally exposed structural steel.
3. Assemble and weld built-up sections by methods that will maintain true alignment of axes without exceeding tolerances of AISC's "Code of Standard Practice for Steel Buildings and Bridges" for mill material.
4. Verify that weld sizes, fabrication sequence, and equipment used for architecturally exposed structural steel will limit distortions to allowable tolerances. **Prevent weld show-through on exposed steel surfaces.**
 - a. Grind butt welds flush.
 - b. Grind or fill exposed fillet welds to smooth profile. Dress exposed welds.

3.5 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified independent testing and inspecting agency to inspect **field welds and high-strength bolted connections.**
- B. Bolted Connections: Shop-bolted connections will be **tested and** inspected according to RCSC's "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts."
- C. Welded Connections: Field welds will be visually inspected according to AWS D1.1.
 1. In addition to visual inspection, field welds will be tested according to AWS D1.1 and the following inspection procedures, at testing agency's option:
 - a. Liquid Penetrant Inspection: ASTM E 165.
 - b. Magnetic Particle Inspection: ASTM E 709; performed on root pass and on finished weld. Cracks or zones of incomplete fusion or penetration will not be accepted.
 - c. Ultrasonic Inspection: ASTM E 164.
 - d. Radiographic Inspection: ASTM E 94.
- D. Correct deficiencies in Work that test reports and inspections indicate does not comply with the Contract Documents.

3.6 REPAIRS AND PROTECTION

- A. Repair damaged galvanized coatings on galvanized items with galvanized repair paint according to ASTM A 780 and manufacturer's written instructions.
- B. Touchup Painting: After installation, promptly clean, prepare, and prime or reprime field connections, rust spots, and abraded surfaces of prime-painted joists and accessories, **bearing plates**, and abutting structural steel.

051200 - STRUCTURAL STEEL

1. Clean and prepare surfaces by SSPC-SP 2 hand-tool cleaning or SSPC-SP 3 power-tool cleaning.
 2. Apply a compatible primer of same type as shop primer used on adjacent surfaces.
- C. Touchup Painting: Additional cleaning and touchup painting are specified in Division 9 painting Sections.

END OF SECTION 051200

SECTION 072100 - THERMAL INSULATION

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data
- B. Surface-Burning Characteristics: According to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

PART 2 - PRODUCTS

2.1 INSULATION PRODUCTS

- A. Extruded-Polystyrene Board Insulation: ASTM C 578, with flame-spread and smoke-developed indexes of 75 and 450, respectively.
- B. Mineral-Fiber-Blanket Insulation: ASTM C 665, [**Type I, unfaced**] [**Type III, Class A, foil faced on one side**] with flame-spread index of 25 or less.

2.2 ACCESSORIES

- A. Vapor Retarder: [**Polyethylene**] [**Reinforced polyethylene**] [**Fire-retardant, reinforced polyethylene**] [**Foil-polyester film**], [**6 mils (0.15 mm)**] <Insert thickness> thick.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install insulation in areas and in thicknesses indicated or required to produce R-values indicated. Cut and fit tightly around obstructions and fill voids with insulation.
- B. Except for loose-fill insulation and insulation that is friction fitted in stud cavities, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.
- C. Extend vapor retarder to extremities of areas to be protected from vapor transmission. Secure in place with adhesives or other anchorage. Locate seams at framing members, overlap, and seal with tape. Seal joints caused by pipes, conduits, electrical boxes, and similar items with tape.

END OF SECTION 072100

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. TPO Roof system, flashing, roof insulation, and accessories

4. SUBMITTALS

A. Prior to starting work, the roofing contractor must submit the following:

1. A sample of the manufacturer's Membrane System Warranty.
2. Submit a letter of certification from the manufacturer which certifies the roofing contractor is authorized to install the manufacturer's roofing system and lists foremen who have received training from the manufacturer along with the dates training was received.
3. Certification of the manufacturer's warranty reserve.

B. Upon completion of the installed work, submit copies of the manufacturer's final inspection to VTA prior to the issuance of the manufacturer's warranty.

5. EXTENT OF WORK

- A. Provide all labor, material, tools, equipment, and supervision necessary to complete the installation of the Sure-Weld 60-mil thick white in color reinforced TPO (Thermoplastic Polyolefin) reinforced membrane Adhered Roofing System including flashings and insulation as specified herein and as indicated on the drawings in accordance with the manufacturer's most current specifications and details.
- B. The Contractor shall be fully knowledgeable of all requirements of the contract documents and shall make themselves aware of all job site conditions that will affect their work.

6. PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to the job site in the manufacturer's original, unopened containers or wrappings with the manufacturer's name, brand name and installation instructions intact and legible. Deliver in sufficient quantity to permit work to continue without interruption.
- B. Comply with the manufacturer's written instructions for proper material storage.

1. Store TPO membrane in the original undisturbed plastic wrap in a cool, shaded area. Sure-Weld membrane that has been exposed to the elements for approximately 7 days must be prepared with Weathered Membrane Cleaner prior to hot air welding.
 2. Store curable materials (adhesives and sealants) between 60°F and 80°F in dry areas protected from water and direct sunlight. If exposed to lower temperature, restore to 60°F minimum temperature before using.
 3. Store materials containing solvents in dry, well ventilated spaces with proper fire and safety precautions. Keep lids on tight. Use before expiration of their shelf life.
- A. Insulation must be on pallets, off the ground and tightly covered with waterproof materials.
 - B. Any materials which are found to be damaged shall be removed and replaced at the applicator's expense.

8. QUALITY ASSURANCE

- A. The Membrane Roofing System must achieve a UL Class.
- B. The specified roofing assembly must have been successfully tested by a qualified testing agency to resist the design uplift pressures calculated according to ANSI/SPRI WD-1 "Wind Design Standard Practice for Roofing Assemblies" American Society of Civil Engineers (ASCE 7), or International Building Code (IBC).
- C. The membrane must be manufactured by the material supplier. Manufacturers supplying membrane made by others are not acceptable.
- D. Unless otherwise noted in this specification, the roofing contractor must strictly comply with the manufacturer's current specifications and details.
- E. The roofing system must be installed by an applicator authorized and trained by the manufacturer in compliance with shop drawings as approved by the manufacturer. The roofing applicator shall be thoroughly experienced and upon request be able to provide evidence of having at least five (5) years successful experience installing single-ply TPO roofing systems and having installed at least one (1) roofing application or several similar systems of equal or greater size within one year.
- F. There shall be no deviations made from this specification or the approved shop drawings without the prior written approval of the specifier. Any deviation from the manufacturer's installation procedures must be supported by a written certification on the manufacturer's letterhead, and presented for Owner consideration.
- G. Upon completion of the installation, the applicator shall arrange for an inspection to be made by a technical representative of the membrane manufacturer in order

to determine whether or not corrective work will be required before the warranty will be issued.

1.10 WARRANTY

- A. Provide manufacturer's 25 year Total System Warranty covering both labor and material with no dollar limitation. The maximum wind speed coverage shall be peak gusts of 90 measured at 10 meters above ground level.
- B. Pro-rated System Warranties shall not be accepted.
- C. Evidence of the manufacturer's warranty reserve shall be included as part of the project submittals for the specifier's approval.

PART 2 - PRODUCTS

1. TPO MEMBRANE ROOFING

- A. Subject to compliance with requirements provide "Sure-Weld" Carlisle Syn Tec Incorporated (Basis of Design) "or equal" Product.
- B. Fabric-Reinforced Thermoplastic Polyolefin Sheet: ASTM D 6878, internally fabric or scrim reinforced, uniform, flexible fabric backed TPO sheet, and as follows:
 - 1. Thickness: 60 mils, nominal.
 - 2. Exposed Face Color: White (SRI 88)

2. AUXILIARY MEMBRANE ROOFING MATERIALS

- A. General: Auxiliary membrane roofing materials recommended by roofing system manufacturer for intended use, and compatible with membrane roofing.
 - 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.
 - 2. Adhesives and sealants that are not on the exterior side of weather barrier shall comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - a. Single-Ply Roof Membrane Adhesives: 250 g/L.
 - b. Other Adhesives: 250 g/L.
 - c. Nonmembrane Roof Sealants: 300 g/L.
 - d. Sealant Primers for Nonporous Substrates: 250 g/L.
- B. Sheet Flashing: Manufacturer's standard unreinforced thermoplastic polyolefin sheet flashing, 55 mils (1.4 mm) thick, minimum, of same color as sheet membrane.
- C. Bonding Adhesive: Manufacturer's standard.

- D. Slip Sheet: Manufacturer's standard, of thickness required for application.
- E. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately 1 by 1/8 inch (25 by 3 mm) thick; with anchors.
- F. Metal Battens: Manufacturer's standard, aluminum-zinc-alloy-coated or zinc-coated steel sheet, approximately 1 inch wide by 0.05 inch thick (25 mm wide by 1.3 mm thick), pre-punched.
- G. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening membrane to substrate, and acceptable to membrane roofing system manufacturer.
- H. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

3. VAPOR RETARDER

- A. Polyethylene Film: ASTM D 4397, 6 mils (0.15 mm) thick, minimum, with maximum permeance rating of 0.13 perm (7.5 ng/Pa x s x sq. m).
 - 1. Tape: Pressure-sensitive tape of type recommended by vapor-retarder manufacturer for sealing joints and penetrations in vapor retarder.
 - 2. Adhesive: Manufacturer's standard lap adhesive, FM Approvals approved for vapor-retarder application.

4. ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by TPO membrane roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses indicated.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
- C. Tapered Insulation: Provide factory-tapered insulation boards fabricated to slope of 1/4 inch per 12 inches(1:48).
- D. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.
- E. General: Furnish roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with membrane roofing.
- F. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roof insulation to substrate, and acceptable to roofing system manufacturer.

5. COVER BOARD

- A. Dens Deck Prime, or equal, –gypsum core that incorporates glass-mat facings on the top and bottom side. The top surface is pre-primed and provides excellent bond strength for adhered membrane for use as a cover board. Available in ¼” to 5/8” and 4’ x 4’ or 4’ x 8’ size boards.
- B. SecurShield HD or equal, – a rigid insulation panel composed of a high-density, closed- cell polyisocyanurate foam core laminated to coated-glass fiber-mat facer for use as a cover board or recover board. Available 1/2” thick 4’ x 8’ panel weight 11 lbs with an R-value of 2.5.
- C. Securock Cover Board or equal, – A uniform composition of fiber-reinforced with no facer for use as a cover board or a thermal barrier. Available in ¼” to 5/8” thick and 4’ x 4’ or 4’ x 8’ size boards. Long uninterrupted runs (>200’) may require slight gapping due to thermal expansion.
- D. Sure-Seal HP Recovery Board, or equal - A 1/2” or 1” thick high-density wood fiberboard with an asphalt coated facer for use as a cover board or recover board. Available ½” or 1” thick and 4’ x 4’ or 4’ x 8’ size boards.

PART 3 - EXECUTION

1. GENERAL

- A. Comply with the manufacturer's published instructions for the installation of the fully adhered membrane roofing system including proper substrate preparation, job site considerations and weather restrictions.
- B. Position sheets to accommodate contours of the roof deck and shingle splices to avoid bucking the flow of water.

2. VAPOR RETARDERS

- A. General: The use of a vapor retarder to protect insulation and reduce moisture cumulation within an insulated roofing assembly.

3. INSULATION PLACEMENT AND ATTACHMENT

- A. Install insulation or membrane underlayment over the substrate with boards butted tightly together with no joints or gaps greater than 1/4 inch. Stagger joints horizontally and vertically if multiple layers are provided.
- B. Secure insulation to the substrate with insulation adhesive in accordance with the manufacturer’s specifications.

B. MEMBRANE PLACEMENT AND ATTACHMENT

- A. Position TPO membrane over the acceptable substrate. Fold membrane sheet back onto itself so half the underside of the membrane is exposed.

- B. Apply Bonding Adhesive in accordance with the manufacturer's published instructions, to the exposed underside of the membrane and the corresponding substrate area. Do not apply Bonding Adhesive along the splice edge of the membrane to be hot air welded over the adjoining sheet. Allow the adhesive to dry until it is tacky but will not string or stick to a dry finger touch.
 - 1. Roll the coated membrane into the coated substrate while avoiding wrinkles. Brush down the bonded section of the membrane sheet immediately after rolling the membrane into the adhesive with a soft bristle push broom to achieve maximum contact.
 - 2. Fold back the unbonded half of the sheet and repeat the bonding procedures.
- C. Position adjoining sheets to allow a minimum overlap of 2 inches to provide a minimum 1-1/2" hot air weld.
- D. Continue to install adjoining membrane sheets in the same manner, overlapping edges a minimum of 2 inches and complete the bonding procedures as stated previously.

5. MEMBRANE HOT AIR WELDING PROCEDURES

- A. Hot air weld the TPO membrane using an Automatic Hot Air Welding Machine or Hot Air Hand Welder in accordance with the manufacturer's specifications. At all splice intersections, roll the seam with a silicone roller immediately after welder crossed the membrane step-off to ensure a continuous hot air welded seam.
 - 1. When using 60-mil thick or thicker membrane, all splice intersections shall be overlaid with T-joint covers or non-reinforced flashing.
- B. Probe all seams once the hot air welds have thoroughly cooled (approximately 30 minutes).
- C. Repair all seam deficiencies the same day they are discovered.
- D. Apply Cut Edge Sealant on all cut edges of reinforced membrane (where the scrim reinforcement is exposed) after seam probing is complete. Cut Edge Sealant is not required on vertical splices.

6. FLASHING

- A. Flashing of parapets, curbs, expansion joints and other parts of the roof must be performed using TPO reinforced membrane. Sure-Weld non-reinforced membrane can be used for flashing pipe penetrations, Sealant Pockets, and scuppers, as well as inside and outside corners, when the use of prefabricated accessories is not feasible.

- B. Follow manufacturer's typical flashing procedures for all wall, curb, and penetration flashing including metal edging or coping and roof drain applications.

8. DAILY SEAL

- A. When the completion of flashings and terminations is not achieved by the end of the workday, a daily seal must be performed to temporarily close the membrane to prevent water infiltration.
- B. Complete an acceptable membrane seal in accordance with the manufacturer's requirements.

9. CLEAN UP

- A. Perform daily clean up to collect all wrappings, empty containers, paper, and other debris from the project site. Upon completion, all debris must be disposed of in a legally acceptable manner.
- B. Prior to the manufacturer's inspection for warranty, the applicator must perform a pre-inspection to review all work and to verify all flashing has been completed as well as the application of all caulking.

10. FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
- C. Repair or remove and replace components of membrane roofing system where inspections indicate that they do not comply with specified requirements.
- D. Additional inspections, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

END OF SECTION 007542

SECTION 076200 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Coordinate installation of sheet metal flashing and trim with adjoining roofing and wall materials, joints, and seams to provide a leakproof, secure, and noncorrosive installation.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Standard: Comply with SMACNA's Architectural Sheet Metal Manual unless otherwise indicated. Conform to dimensions and profiles shown unless more stringent requirements are indicated.
- B. FM Approvals' Listing: Manufacture and install copings and roof edge flashings that are listed in FM Approvals' "RoofNav" and approved for windstorm classification, Class 1-90 Identify materials with name of fabricator and design approved by FM Approvals.

2.2 SHEET METAL

- A. Copper: ASTM B 370; Temper H00 or H01, cold rolled, not less than 16 oz./sq. ft. (0.55 mm thick).
- B. Aluminum Sheet: ASTM B 209 with mill finish.

2.3 ACCESSORIES

- A. Felt Underlayment: ASTM D 226, Type II (No. 30) asphalt-saturated organic felts.
- B. Self-Adhering, High-Temperature Sheet Underlayment: Butyl or SBS-modified asphalt; slip-resisting-polyethylene surfaced; with release paper backing; cold applied. Stable after testing at 240 deg F and passes after testing at minus 20 deg F ASTM D 1970.
- C. Slip Sheet: Rosin-sized building paper, 3-lb/100 sq. ft. minimum.
- D. Fasteners: Wood screws, annular-threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners.
 - 1. Exposed Fasteners: Heads matching color of sheet metal roofing using plastic caps or factory-applied coating.

SECTION 076200 - SHEET METAL FLASHING AND TRIM

2. Spikes and Ferrules: Same material as gutter; with spike with ferrule matching internal gutter width.
 3. Fasteners for Aluminum Sheet: Aluminum or Series 300 stainless steel.
- E. Butyl Sealant: ASTM C 1311, solvent-release butyl rubber sealant.
- F. Bituminous Coating: Cold-applied asphalt emulsion complying with ASTM D 1187.

2.4 FABRICATION

- A. Fabricate sheet metal flashing and trim to comply with details shown and recommendations in cited sheet metal standard that apply to the design, dimensions, geometry, metal thickness, and other characteristics of item indicated.
- B. Expansion Provisions: Where lapped expansion provisions cannot be used, form expansion joints of intermeshing hooked flanges, not less than **1 inch (25 mm)** deep, filled with butyl sealant concealed within joints.
- C. Fabrication Tolerances: Fabricate sheet metal flashing and trim that are capable of installation to tolerances specified in MCA's "Guide Specification for Residential Metal Roofing."

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with cited sheet metal standards. Allow for thermal expansion; set true to line and level. Install Work with laps, joints, and seams permanently watertight and weatherproof; conceal fasteners where possible.
- B. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal to provide for proper installation of elastomeric sealant according to cited sheet metal standard.
- C. Seams: Fabricate nonmoving seams with flat-lock seams. [**For aluminum, form seams and seal with epoxy seam sealer. Rivet joints for additional strength.**]
- D. Metal Protection: Where dissimilar metals contact each other, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating.
1. Coat concealed side of aluminum with bituminous coating where it contacts wood, ferrous metal, or cementitious construction.

END OF SECTION 076200

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes sealants for the following applications:
1. Exterior joints in the following vertical surfaces and nontraffic horizontal surfaces:
 - a. Control and expansion joints in unit masonry.
 - b. Perimeter joints between materials listed above and frames of doors and windows.
 - c. Other joints as indicated.
 2. Exterior joints in the following horizontal traffic surfaces:
 - a. Control, expansion, and isolation joints in cast-in-place concrete slabs.
 - b. Joints between different materials listed above.
 - c. Other joints as indicated.
 3. Interior joints in the following vertical surfaces and horizontal nontraffic surfaces:
 - a. Control and expansion joints on exposed interior surfaces of exterior walls.
 - b. Perimeter joints of exterior openings where indicated.
 - c. Perimeter joints between interior wall surfaces and frames of interior doors, and windows
 - d. Joints between plumbing fixtures and adjoining walls, floors, and counters.
 - e. Other joints as indicated.
 4. Interior joints in the following horizontal traffic surfaces:
 - a. Control and expansion joints in cast-in-place concrete slabs.
 - b. Other joints as indicated.

1.2 SUBMITTALS

- A. Product Data: Submit product data for each joint-sealant product indicated and the following:
- B. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Exposed sealant work (sealants used for air and weatherseals which are external to curtain wall systems at their perimeter, metal panel to panel joints, architectural precast to precast, exterior stone cladding joints) shall be performed by a single (i.e. one) firm specializing in the installation of sealants who has successfully produced work comparable to this project, in not less than three projects of similar scope to the satisfaction of the Architect, and whose work has resulted in construction with a record of successful in-service performance for a period of 10 years. Concealed sealant work (sealants which are internal to metal framed

curtain wall systems, skylights, sloped glazing and providing an air seal) shall be the responsibility of the subcontractor providing erection of the respective system.

- B. Source Limitations: Obtain each type of joint sealant from a single manufacturer.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Project site in original unopened containers or bundles with labels indicating manufacturer, product name and designation, color, expiration date, pot life, curing time, and mixing instructions for multicomponent materials.
- B. Store and handle materials in compliance with manufacturer's written instructions to prevent their deterioration or damage due to moisture, high or low temperatures, contaminants, or other causes.

1.5 PROJECT CONDITIONS

- A. Environmental Limitations: Do not proceed with installation of joint sealants under the following conditions:
 - 1. When ambient and substrate temperature conditions are outside limits permitted by joint sealant manufacturer or are below 40 deg F.
 - 2. When joint substrates are wet.
- B. Joint-Width Conditions: Do not proceed with installation of joint sealants where joint widths are less than those allowed by joint sealant manufacturer for applications indicated.
- C. Joint-Substrate Conditions: Do not proceed with installation of joint sealants until contaminants capable of interfering with adhesion are removed from joint substrates.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as stated by sealant manufacturer's published data, and as substantiated by the manufacturer for each application through testing.
- B. Colors: For fully concealed joints, provide manufacturer's standard color of sealant which has the best overall performance characteristics for the application shown.
- C. Manufacturer's Representative: Do not use elastomeric sealant produced by any manufacturer who will not agree to send a qualified technical representative to the project site when requested, for the purpose of rendering advice concerning the proper installation of manufacturer's materials.

2.2 ELASTOMERIC JOINT SEALANTS

- A. General: Use self leveling compounds for horizontal joints in pavements and non-sag compounds for all other areas except as shown or specified.
- B. Silicone Sealants (Non-Sag):
 - 1. Typical Exterior Wall Joints (Two-part Silicone Sealants):
 - a. Properties:
 - 1) Standards: Comply with ASTM C920, Type M, Grade NS, Class 25; use NT, M, A and O.
 - 2) Performance: Non-stain, non-bleed, non-streaking to sealed and adjacent substrates. The minimum pli value after 7 day immersion shall not be less than 13 when tested in strict accordance with ASTM C794 Adhesion in Peel.
 - 3) Cure System and Oil Content: Neutral-Cure System specifically manufactured with controlled oil content to eliminate oil migration into sealed substrates and residue rundown over and onto adjacent substrates.
 - b. Product and Manufacturer: 756 Silicone Building Sealant - HP with Additive; Dow Corning.
- C. Two Part Polyurethane Sealants (Non-Sag):
 - 1. Typical Exterior Wall Joints (Two-part Polyurethane Sealants):
 - a. Properties:
 - 1) Standards: Comply with ASTM C920, Type M, Grade NS, Class 25; use NT, M, A and O.
 - 2) Performance: Non-stain, non-bleed, non-streaking to sealed and adjacent substrates. The minimum pli value after 7 day immersion shall not be less than 13 when tested in strict accordance with ASTM C794 Adhesion in Peel.
 - b. Products and Manufacturers: One of the following:
 - 1) Pecora Corporation; Dynatrol II.
 - 2) Sonneborn Building Products Div., ChemRex, Inc.; Sonolastic NP-2 TM.
 - 3) Tremco, an RPM Co.; Dymeric 240.
- D. Two-Part Polyurethane Sealant (Self Leveling): ASTM C920, Type M, Grade P, Class 25; use T; one of the following:
 - 1. Pecora Corporation; Urexpan NR-200.
 - 2. Sonneborn Building Products Div., ChemRex, Inc.; Sonolastic SL 2 TM.
 - 3. Tremco, an RPM Co.; THC 900.

- E. Mildew-Resistant Silicone Sealant (use for joints at toilet fixtures, public toilet room countertops and vanities, and at janitor closet mop receptor to wall transition): Complying with ASTM C920, Type S (single component), Grade NS (non-sag), class 25, Use NT (non-traffic), Substrate uses G, A, and O; and containing a fungicide for mildew resistance.

1. Products: Provide one of the following:
 - a. Dow Corning; 786 Mildew Resistant Silicone Sealant.
 - b. GE Silicones; Sanitary SCS 1700.
 - c. Pecora Corporation; 898 Silicone Sanitary Sealant.

2.3 LATEX JOINT SEALANTS

- A. Latex Sealant: Non-elastomeric, one part, non-sag, paintable latex sealant that is recommended for exposed applications on the interior. Complying with ASTM C 834:

1. Products: Provide one of the following:
 - a. Pecora Corporation; AC-20 + Silicone
 - b. Sonneborn Building Products Div., ChemRex, Inc.; Sonolastic Sonolac.
 - c. Tremco, an RPM Co.; Tremflex 834.

2.4 PREFORMED JOINT SEALANTS

1. Products: Provide one of the following.
 - a. 123 Silicone Seal set in 791, or 795, Silicone Sealants; Dow Corning.
 - b. Sil-Span Preformed Silicone Profile set in 864 Silicone Sealant; Pecora Corporation.

- B. Preformed Foam Sealants Provide manufacturer's standard preformed, precompressed, impregnated, open-cell foam sealant manufactured from high-density urethane foam impregnated with a nondrying, water-repellent agent; factory produced in precompressed sizes and in roll or stick form to fit joint widths indicated; and complying with the following:

1. Properties: Permanently elastic, mildew resistant, nonmigratory, nonstaining, and compatible with joint substrates and other joint sealants.
2. Impregnating Agent: Manufacturers recommended for conditions indicated.
3. Density: Manufacturer's recommended for conditions indicated.
4. Backing: Pressure-sensitive adhesive, factory applied to one side with protective wrapping.
5. Products: Provide one of the following:
 - a. Emseal 25V; Emseal Joint Systems, Ltd.
 - b. Emseal Greyflex; Emseal Joint Systems, Ltd.
 - c. Polytite B; Polytite Manufacturing Corporation.
 - d. Polytite Standard; Polytite Manufacturing Corporation.
 - e. Wilseal 600; Sealform, Ltd.

2.5 JOINT-SEALANT BACKING

- A. General: Provide sealant backings of material and type that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.
- B. Cylindrical Sealant Backings: One of the following preformed, compressible, resilient, nonstaining, nonwaxing, nonextruding backings of flexible plastic foam complying with ASTM C 1330, and of type indicated below. Select shape and density of cylindrical sealant backings in consultation with the manufacturer for proper performance in specific condition of use in each case.
 - 1. Type C: Closed-cell polyethylene foam material with a surface skin, which is nonabsorbent to liquid water and gas, non-outgassing in unruptured state; one of the following:
 - a. HBR Closed Cell Backer Rod; Nomaco, Inc..
 - b. Sonneborn Sonolastic Closed-Cell Backer-Rod; ChemRex, Inc.
 - 2. Type B: Bi-cellular reticulated, polymeric foam material with a surface skin, nonoutgassing, with a density of between 24-48 kg/cubic meter per ASTM D1622 and minimum tensile strength of greater than 200 kPa per ASTM D1623, and with water absorption less than 0.10 gm/cc per ASTM C1016; one of the following:
 - a. SofRod; Nomaco, Inc.
 - b. Sonolastic Soft Backer-Rod; ChemRex, Inc.
- C. Bond-Breaker Tape: Polyethylene, TFE fluorocarbon, or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.
- D. Weep and Vent Tubes: Clear plastic (PVC) tubing, minimum 1/4 inch inside diameter, and of length as required to extend between exterior face of sealant and open cavity behind.
 - 1. At window and curtain wall systems, where required by system designer, provide gutter termination of tube with preformed nipples suitable for sealing to gutter.
- E. Cork Joint Filler: Resilient and nonextruding, ASTM D1752, Type II.

2.6 MISCELLANEOUS MATERIALS

- A. Primer: Material recommended, as verified through compatibility and adhesion testing, by joint sealant manufacturer for the substrates indicated to be sealed.
- B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants with joint substrates.

- C. Masking Tape: Non staining, nonabsorbent material compatible with joint sealants and which will not stain nor mar the finish of surfaces adjacent to joints to which it is applied.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Silicone Glazing Sealants: Refer to Division 08 Section "Glazing."
- B. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint sealant manufacturer's written instructions and the following requirements:
 - 1. Remove foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), existing joint sealants, existing backer rods, existing waterproofing materials, existing water repellent treatments, oil, grease, water, surface dirt, and frost.
 - 2. Clean concrete, masonry, unglazed surfaces of tile, and similar porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air.
 - 3. Remove laitance and form-release agents from concrete.
 - 4. Clean metal, glass, porcelain enamel, glazed surfaces of tile, and other nonporous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.3 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with joint sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.

1. Silicone Glazing Sealants: Refer to Division 08 Section "Glazing" for installation.
- B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
- C. Installation of Sealant Backings: Install sealant backings to comply with the following requirements:
 1. Install sealant backings of type indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
 - a. Do not leave gaps between ends of sealant backings. Trim for tight fit around obstructions or elements penetrating the joint.
 - b. Do not stretch, twist, puncture, or tear sealant backings.
 - c. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry sealant backings.
 2. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and back of joints.
- D. Installation of Sealants: Install sealants by proven techniques that result in sealants directly contacting and fully wetting joint substrates, completely filling recesses provided for each joint configuration, and providing uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability. Install sealants at the same time sealant backings are installed.
 1. Apply sealants in the depth shown or, if none is shown, apply in accordance with the manufacturer's recommendations and the following general proportions and limitations:
 - a. Apply elastomeric sealants in sidewalk, pavement and similar horizontal joints to a depth equal to 75% of the joint width, but not less than 3/8 inch and not more than 3/4 inch.
 - b. Apply elastomeric sealants, in joints not subject to traffic or other abrasion, to a depth equal to 50% of the joint width, but not less than 1/4 inch and not more than 1/2 inch.
 - c. Apply non-elastomeric sealants to a depth approximately equal to the joint width.
 2. Pour self leveling sealants to a depth approximately equal to the joint width.
- E. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants to form smooth, uniform, beads to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint. Remove excess sealants from surfaces adjacent to joint. Do not use tooling agents that discolor sealants or adjacent surfaces. Tool exposed surfaces of sealants to the profile shown, or if none is shown, tool slightly concave.
 1. Use masking tape to protect adjacent surfaces of recessed tooled joints.
 2. Provide a slight wash on horizontal joints where horizontal and vertical surfaces meet.

3. Against rough surfaces or in joints of uneven widths avoid the appearance of excess sealant or compound by locating the compound or sealant well back into joint wherever possible.

F. Installation of Preformed Silicone-Sealant System: Comply with the following requirements:

1. Apply masking tape to each side of joint, outside of area to be covered by sealant system.
2. Apply a bead of silicone sealant to each side of joint to produce a bead of size complying with preformed silicone-sealant system manufacturer's printed schedule and covering a bonded area of not less than a 3/8 inch. Hold edge of sealant bead inside of masking tape by 1/4 inch.
3. Within 10 minutes of sealant application, press silicone extrusion into sealant to wet extrusion and substrate. Use a roller to apply consistent pressure and ensure uniform contact between sealant and both extrusion and substrate.
4. Complete installation of horizontal joints before installing vertical joints. Lap vertical joints over horizontal joints. At end of joints, cut silicone extrusion with a razor knife.

3.4 CLEANING

- A. Clean off excess sealants or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

3.5 PROTECTION

- A. Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out and remove damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from the original work.

END OF 007920

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data and Shop Drawings.

PART 2 - PRODUCTS

2.1 HOLLOW METAL DOORS AND FRAMES

- A. Doors: Complying with SDI A250.8 for level and model and SDI A250.4 for physical-endurance level indicated, 1-3/4 inches (44 mm) thick unless otherwise indicated.
 - 1. Interior Doors: Level 1 and Physical Performance Level C (Standard Duty).
 - a) Hardware Reinforcement: Fabricate according to SDI A250.6 with reinforcement plates from same material as door face sheets.
- B. Frames: ANSI A250.8; conceal fastenings unless otherwise indicated.
 - 1. Steel Sheet for Interior Frames: 0.042-inch- (1.0-mm-) minimum thickness.
 - 2. Interior Frame Construction: Knocked down, Face welded
 - 3. Exterior Frame Construction: Knocked down, Face welded.
 - 4. Hardware Reinforcement: Fabricate according to ANSI/SDI A250.6 with reinforcement plates from same material as frames.
 - 5. Frame Anchors: Not less than 0.042 inch (1.0 mm) thick.
- C. Glazing Stops: Nonremovable stops on outside of exterior doors and on secure side of interior doors; screw-applied, removable, glazing stops on inside, fabricated from same material as door face sheet in which they are installed.
- D. Door Silencers: Three on strike jambs of single-door frames and two on heads of double-door frames.
- E. Grout Guards: Provide where mortar might obstruct hardware operation.
- F. Prepare doors and frames to receive mortised and concealed hardware according to SDI A250.6 and BHMA A156.115.
- G. Reinforce doors and frames to receive surface-applied hardware.
- H. Prime Finish: Manufacturer's standard, factory-applied coat of lead- and chromate-free primer complying with SDI A250.10 acceptance criteria.

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

2.2 MATERIALS

- A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, suitable for exposed applications.
- B. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, free of scale, pitting, or surface defects.
- C. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, G60 (Z180) or A60 (ZF180).
- D. Frame Anchors: ASTM A 879/A 879M, 4Z (12G) coating designation; mill phosphatized.
 - 1. For anchors built into exterior walls, sheet steel complying with ASTM A 1008/A 1008M or ASTM A 1011/A 1011M, hot-dip galvanized according to ASTM A 153/A 153M, Class B.
- E. Inserts, Bolts, and Fasteners: Hot-dip galvanized according to ASTM A 153/A 153M.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install hollow metal frames to comply with SDI A250.11.
 - 1. Fire-Rated Frames: Install according to NFPA 80.
- B. Install doors to provide clearances between doors and frames as indicated in SDI A250.11.
- C. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying rust-inhibitive primer.
- D. END OF SECTION 081113

SECTION 081416 - FLUSH WOOD DOORS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Samples for factory-finished doors.

PART 2 - PRODUCTS

2.1 FLUSH WOOD DOORS

2.2 DOOR CONSTRUCTION, GENERAL

- A. Quality Standard: WDMA I.S.1-A.
- B. Certified Wood: Wood doors shall be certified as "FSC Pure" or "FSC Mixed Credit" according to FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship," and to FSC STD-40-004, "FSC Standard for Chain of Custody Certification."
- C. Low-Emitting Materials: Provide doors made with adhesives and composite wood products that do not contain urea formaldehyde.
- D. WDMA I.S.1-A Performance Grade:
 - 1. Standard Duty
- E. Mineral-Core Doors: Provide the following:
 - 1. Composite blocking where required to eliminate through-bolting hardware.
 - 2. Laminated-edge construction.
 - 3. Formed-steel edges and astragals for pairs of doors.

2.3 FLUSH WOOD DOORS

- A. Veneer-Faced Doors for Transparent Finish:
 - 1. Interior Solid-Core Doors: Custom grade, five ply, structural composite lumber cores.
 - a. Faces: Grade A rotary-cut select white birch

2.4 FABRICATION AND FINISHING

- A. Factory-fit doors to suit frame-opening sizes indicated and to comply with clearances specified.
- B. Factory-machine doors for hardware that is not surface applied. Locate hardware to comply with DHI-WDHS-3.
- C. Cut and trim openings to comply with referenced standards.
 - 1. Trim light openings with moldings indicated.
 - 2. Factory-install glazing in doors indicated to be factory finished.
 - 3. Factory-install louvers in prepared openings.
- D. Factory-finish doors indicated for transparent finish
 - 1. Sheen: Satin

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install doors to comply with manufacturer's written instructions and WDMA I.S.1-A, and as indicated.
 - 1. Install fire-rated doors to comply with NFPA 80.
 - 2. Install smoke- and draft-control doors according to NFPA 105.
- B. Align and fit doors in frames with uniform clearances and bevels.
- C. Clearances: As follows unless otherwise indicated:
 - 1. 1/8 inch (3.2 mm) at heads, jambs, and between pairs of doors.
 - 2. 1/8 inch (3.2 mm) from bottom of door to top of decorative floor finish or covering.
 - 3. 1/4 inch (6.4 mm) from bottom of door to top of threshold.
 - 4. Comply with NFPA 80 for fire-rated doors.

END OF SECTION 081416

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes:

1. Operating and Fixed Aluminum Window Units
 - a. Project-Out Awning Aluminum Windows.
2. Glass and Glazing for Aluminum Windows.

1.02 REFERENCES

See Manufacturer's product literature for referenced standards and performance requirements.

1.03 SUBMITTALS

A. Submit "Letter of Conformance" in accordance with Section 01 33 00 (01330) – with the following supporting data:

1. Product data for each type of aluminum window specified, including standard construction details, dimensions of individual components, profiles, finishes, hardware, and accessories.
2. Shop drawings for each type of window specified, including 1/4-inch scale wall elevations, typical unit elevations at 3/4-inch scale details, full size details of typical composite members and the following:
 - a. Panning Details
 - b. Flashing and drainage details.
 - c. Mullion details, including reinforcement and stiffeners.
 - d. Joinery details.
4. Product certificates signed by the window manufacturer certifying that window units comply with specified performance requirements.

1.04 QUALITY ASSURANCE

A. All window units shall be manufactured by a single source.

1. All windows in any one project must be by the same manufacturer and with comparable frame depth, profile, glazing bite, and installation requirements. Manufacturer must provide a window system that can incorporate all window configurations used on the project.
2. Standards: Requirements for aluminum windows, terminology and standard of performance, and fabrication workmanship are those specified and recommended in AAMA/WDMA/CSA 101/I.S.2/A440 and The Aluminum Association (AA).

- a. All window units shall be labeled as conforming to AAMA/WDMA/CSA 101/I.S.2/A440. The label shall state the name of the manufacturer, the approved labeling agency and the product designation as specified in AAMA/WDMA/CSA 101/I.S.2/A440.
- b. All testing shall be conducted using AAMA/WDMA/CSA 101/I.S.2/A440 Gateway Performance minimum specified test sizes.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Transportation and Handling: Transport products by methods to avoid product damage, deliver in undamaged condition in manufacturer's unopened containers or packaging. Provide equipment and personnel to handle products by method to prevent soiling or damage. Promptly inspect shipments to assure that products comply with requirements, quantities are correct, and products are undamaged.
- B. Storage and Protection: Store products in accordance with manufacturer's instructions, with seals and labels intact and legible. Store sensitive products in weather-tight enclosures; maintain with temperature and humidity ranges required by manufacturer's instruction.

1.06 WARRANTIES

A. Aluminum Window Warranty

1. Products: Submit a written warranty, executed by the window manufacturer, for the following:
 - a. Framing, sash components and hardware: A period of (1) year from the date of manufacture, against defective materials and workmanship, including substantial non-compliance with applicable specification requirements and industry standards, which results in premature failure of the windows or parts, outside of normal wear.
 - b. Insulated glass units: A period of (10) years from the date of manufacture, against insulated glass seal failure unrelated to glass breakage.
 - c. Warranty for all components must be direct from the manufacturer (non- pass through) and non- prorated for the entire term. Warranty must be assignable to the non-residential owner, and transferable to subsequent owners through its length.
2. Installation: Submit a written warranty, executed by the window installer, for a period of (1) year from the date of substantial completion, against defective materials or workmanship, including substantial non-compliance with applicable specification requirements, which result in premature failure.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Approved Manufacturers:

1. Quaker Window Products Company, Inc. (800) 347-0438
 - a. Projected Awning Window: "E600 AWN Push-out Series."

2.02 MATERIALS

A. Aluminum Members:

1. Extruded aluminum prime billet 6063-T6 alloy for primary components, 6063-T6, or 6061-T6 for structural components, all in accordance with (ASTM B221).

B. Structural Thermal Barrier Construction:

1. Frame and sash members shall include a structural thermal barrier, applied in the manufacturer's facility, using concealed low-conductance poured-in-place polyurethane in a pre-treated cavity.
2. Thermal Break Performance Requirements:
 - a. Shear strength: minimum 2,500 Lbf in accordance with (AAMA TIR-A8).
 - b. Flexural strength: minimum 19,000 psi in accordance with (AAMA_D 790).
 - c. Thermal conductivity of barrier material: maximum 0.84 BTU-in/(hr-ft²-°F) in accordance with (ASTM C 518).
 - d. Systems employing non-structural thermal barriers, or barrier systems absent of a mechanical lock application are not acceptable.

2.03 MANUFACTURED UNITS

- A. Principal window frame members shall have a minimum 0.090" outside wall thickness, and .078" mounting webs, and sectional flanges.
- B. Window frame depth shall be 3 1/4" minimum.

2.04 COMPONENTS

- A. All fasteners, tools, equipment, and other materials necessary for a complete installation shall be furnished by the Contractor.
 1. Aluminum, nonmagnetic stainless steel, epoxy adhesive, or other materials warranted by the manufacturer to be noncorrosive and compatible with all window members, cladding, trim, hardware, anchors, and other components.
- B. Locking handles, cases, and strikes to be die cast or stainless steel.
- C. Thermoplastic or thermo-set plastic caps, housings, and other components to be injection-molded nylon, extruded PVC, or other suitable compound.
- D. Hardware:

1. Hinging Hardware:
 - a. Hinges shall be 4-bar arm type in accordance with (AAMA 904-09) for Heavy Commercial and Architectural Grade Windows.
 - b. Hinge bars shall be constructed of stainless steel, with solid brass shoes, and nylon bearing washers at all pivot points.
 - c. Hinges shall include two friction adjusters per each.
 - d. All hinge components shall be concealed while window is in the closed position.
 2. Locking Hardware:
 - a. Locks must hold securely up to 200 lbs. of force per lock for negative air pressure and forced entry resistance.
 - b. Locking cam handles and surface mounted keepers shall be constructed of cast white bronze.
 - c. Locking mechanism shall be a gear box drive type, with multi-point internal latching which distributes closing force equally.
 - d. Cam handles shall be removable, "custodial type."
 - e. All cam handles shall be removable, "custodial type".
- E. Insect Screens: Provide interior mounted insect screen panel for each operable sash.
1. Screen Fabric: Aluminum: 18 by 16 mesh of 0.013" diameter wire. Comply with FS-RRW-365, Type VII, except black anodized or "gun metal" coating on wire.
 2. Screen Frame: Provide aluminum frames and removable vinyl fabric retainer spline.
 - a. Finish shall match window.
 1. Safety Device Stops: For operable windows, provide stops to prevent opening greater than 4" Stops shall be manufacturer's standard for intended use, and provided by the manufacturer.
 2. Sills: Manufacturer's standard exterior sills, as shown on Drawings.
 - a. Sill Flashing: manufacturer's standard snap-on type, if required as shown on Drawings.
 - 1) Interior applied extruded aluminum Muntin of specified width, continuously adhered to surface of glass with a high performance acrylic adhesive system.
 - 2) Finish of Exterior and Interior applied muntin components shall comply with Section 2.06 "FINISHES".
 - 3) Finish color of Exterior and Interior applied muntins, and internal muntins shall match Window Frame.

2.05 GLASS MATERIALS:

A. Tempered Glass: Condition A (uncoated surfaces), Type 1 (transparent glass, flat), Class 1 (clear), Quality q3, clear, fully tempered safety glass (meet requirements of ANSI Z97.1).

1. All tempered glass shall conform to ASTM C1048, ANSI Z97.1, and CPSC 16 CFR Part 1201. Tempered glass shall bear permanent monogram indicating tempered quality. Fabrication marks on tempered glass shall be located to be concealed in completed installation.

B. Insulating Glass: Manufacturer's standard units that comply with specified quality standards and coatings.

- a. Provide preassembled units consisting of organically sealed panes of glass enclosing a hermetically sealed dehydrated air space and complying with ASTM E774 for performance classification indicated as well as with other requirements specified for glass characteristics, air space, sealing system, sealant, space material, and desiccants.
 - 1) Total Thickness: 1"
 - 2) Thickness of Each Pane: 1/4"
 - 3) Air Space Thickness: 3/4"
- b. Exterior Pane of Glass:
 - 1) Provide tempered glass where shown on Drawings and as required by local codes and ordinances.
- c. Insulated Unit Sealing System:
 - 1) Thermal conductivity of insulated glass spacer shall perform in accordance to the following:
 - a) Silicone: 0.202 BTU/hr-ft-F (0.350 W/m-K)
 - b) PIB 0.089 BTU/hr-ft-F (0.155 W/m-K)
 - c) Desiccant (loose fill): 0.017 BTU/hr-ft-F (0.030 W/m-K)
 - d) Spacer: 8.197 BTU/hr-ft-F (14.187 W/m-K)
 - e)
 - 2) Insulated glass unit spacer system must include a secondary dual seal. This also applied to solid foam warm edge seal glass spacer systems.

2.06 FINISHES

A. Finish of Aluminum Components High Performance Organic Powder Coating conforming to (AAMA 2604), Voluntary Specification, Performance Requirements and Test Procedures which also meets the following standards:

- 1) Powder Coating resin shall consist of Fluoroethylene Vinyl Ether (FEVE).
- 2) Coatings which require a chrome based liquid primer or pretreatment are not allowed.
- 3) Scratch resistance shall meet or exceed a pencil test of H in accordance with (ASTM D3363-00), "Standard Test Method for Film Hardness by Pencil Test."
- 4) Abrasion resistance shall meet or exceed a Taber abrasion test of 1000 rotations in accordance with (ASTM D4060-14), "Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser".

a. Finish Warranty Period: 10 years from date of manufacture

b. Color Selection: Anodized Aluminum

2.07 FABRICATION

- A. Fabricate windows allowing for minimum clearances and shim spacing around perimeter of assembly, yet enabling installation.
- B. Rigidly fit joints and corners with heavy-duty corner keys. Accurately fit and secure corners tight. Make corner joints flush, hairline, and weatherproof. Seal corner joints with sealant.
- C. Develop drainage holes with moisture pattern to exterior.
- D. Prepare components to receive anchor devices. Fabricate anchorage items.

PART 3 EXECUTION

3.01 EXAMINATION

A. Site Verification of Conditions:

1. Verify that building substrates permit installation of windows according to the manufacturer's instructions, approved shop drawings, calculations and contract documents.
2. Do not install windows until unsatisfactory conditions are corrected.

3.02 INSTALLATION

A. Erection of Aluminum Windows

1. Install windows with skilled tradesmen in exact accordance with approved Shop Drawings, Installation Instructions, Specifications, and in accordance with (AAMA 101/I.S.2./ A440).
2. Windows must be installed plumb, square, and level for proper weathering and operation. Jambs must not be "sprung", bowed, or warped during installation.

3. Any uncoated aluminum components of Aluminum Window shall be insulated from direct contact with steel, masonry, concrete, or other dissimilar metals by bituminous paint, zinc chromate primer, nonconductive shims, or other suitable insulating materials.

B. Field Tests

1. Field testing procedure of installed windows shall be in accordance with AAMA 502.
2. The test pressure used during the field test procedure shall be $2/3$ of the rated test pressure of the test specimen in accordance with AAMA 502. There shall be no optional variances over $2/3$ used during testing.
3. Initial field testing must be performed prior to no more than 5% of windows have been installed.
4. All field testing expenses shall be at the burden of the contractor.

3.03 ADJUSTING AND CLEANING

A. After completion of window installation, windows shall be inspected, adjusted, put into working order and left clean, free of labels, dirt, or other debris. Protection from this point shall be the responsibility of the General Contractor.

END OF SECTION 008520

PART 1-GENERAL

1.1 SUMMARY

- A. This section includes the following:
 - 1. Curb-mounted unit skylights with 10mm multiwall panel filled with Lumira™ aerogel.
 - a. CLC2 model single dome over 10mm Lumira™ panel.
 - b. CMC2 model pyramid over 10mm Lumira™ panel.
- B. Related Sections: The following sections contain requirements that relate to this section:
 - 1. Division Six Section “Rough Carpentry” for wood curbs and nailers.
 - 2. Division Seven Section “Roof Accessories” for curbs, roof hatches, and smoke vents.
 - 3. Division Seven Section “Flashing and Sheet Metal” for metal flashing for skylights.
- C. Refer to roofing system sections for roofing accessories to be built into the roofing system to accommodate work of this section.

1.2 PERFORMANCE REQUIREMENTS

- A. General: Provide unit skylights capable of withstanding loads as prescribed by the prevailing code for the project location.
- B.
- C. Unit skylights must be tested in accordance with AAMA\WDMA\CSA\101\I.S.2\A440 as required by Section 2405.5 of the International Building Code.

1.3 SUBMITTALS

- A. Product Data Sheet: For each type of skylight specified, include details of construction and installation, relative to applicable roofing materials.
- B. Samples for Selection: Manufacturer’s color charts showing a full range of colors available for each type of skylight glazing and aluminum finish.

1.4 QUALITY ASSURANCE

- A. Fire-Test-Response Characteristics:
 - 1. Provide thermoformed domes fabricated from sheets identical to those tested for the following fire-test-response characteristics, per ASTM test method indicated below, by UL or other testing and inspecting agencies acceptable to authorities having jurisdiction. Identify plastic sheets with appropriate markings of applicable testing and inspecting organization.
 - a. Self-Ignition Temperature: 651 deg. F (343 deg. C) or greater when tested per ASTM D 1929 on plastic sheets in the thickness intended for use.
 - b. Smoke density of 75 or less when tested per ASTM D 2843 on plastic sheets in the thickness intended for use.
 - c. Relative- Burning Characteristics: As follows, when tested per ASTM D 635:

1. Class CC2 Burning rate of 2.5 inches (64 mm) per minute or less when tested on plastic glazing indicated above with a nominal thickness of 0.060 inch (1.5 mm) or the thickness intended for use.
- 2.
2. Provide flat cellular polycarbonate panel fabricated from an approved cellular polycarbonate glazing (light transmitting) material with a CC1 fire rating classification per ASTM D-635 and filled with Lumira™ Aerogel insulation.
 - a. Self-Ignition Temperature: 1110° F (599 deg. C) or greater when tested per ASTM 1929 on multi-wall cellular panel filled with Lumira™ aerogel Insulation in the thickness (10mm) intended for use.

1.5 WARRANTY

- A. General: Warranties specified in this section shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.
- B. Skylight Warranty: Provide written warranty signed by manufacturer, agreeing to repair or replace work that exhibits defects in materials or workmanship and guaranteeing weather-tight and leak-free performance. “Defects” is defined as uncontrolled leakage of water and abnormal aging or deterioration.
 1. Warranty Period: 5 years from date of Substantial Completion.
- C. Plastic Warranty: Provide written warranty signed by manufacturer agreeing to repair or replace work that has or develops defects in the plastic. “Defects” is defined as abnormal aging or deterioration.
 1. Warranty Period: 5 years from date of Substantial Completion against yellowing or breakage.

PART 2- PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by Wasco Skylights part of the Velux Group, Wells, ME (800-388-0293).

2.2 MATERIALS

- A. Curb Frame: High performance PVC with minimum effective thickness of 0.060 inch (1.5mm). Provide integral condensation gutter system with corners fully welded for waterproof quality.
- B. Retainer Frame: Extruded aluminum alloy 6063-T5 (min). ASTM B 221 (ASTM B 221 M) with minimum effective thickness of 0.60 inch (1.5 mm).
- C. Dome Glazing: Thermoformed acrylic.
- D. Interior Laylite: 10mm multi-wall flat cellular polycarbonate panel filled with Lumira™ aerogel insulating material.
- E. Thermal Break: Fabricate skylight units with thermal chambered PVC.
- F. Gaskets: Structural glazing tape to form adhesive bond between PVC curb and inner laylite, between inner laylite and inner dome, and between inner and outer dome. Butyl tape between outer

dome and extruded aluminum retainer. Gaskets form an air and water impenetrable barrier between adjacent surfaces.

- G. Fasteners: Same metal as metals being fastened, or nonmagnetic stainless steel or other non-corrosive metal as recommended by manufacturer.

2.3 PLASTIC SKYLIGHT UNITS

- A. General: Factory-assembled, curb-mounted unit consisting of impact modified plastic glazing and polycarbonate panel filled with Lumira™ aerogel, gasketing, and inner frame designed to mount on separate curb.
 - 1. Products: Provide curb mount model [CLC2], [CMC2] meeting the requirements of this section.
- B. Curb: Field built Curbs or Pre-Fabricated Curbs (By Others) minimum 1 ½” wide.
 - 1. Height: Minimum 4" above finished roofing
- C. Condensation Control: Fabricate skylight units with integral internal gutters and weeps to collect and dispose of condensation.
- D. Thermal Break: Fabricate skylight units with thermal chambered PVC.
- E. Shape and Size: As indicated by model number.
- F. Outer Glazing: [Dome] or [Pyramid] thermoformed:
 - a. [Clear], [Bronze] thermoformed acrylic.
- G. Inner Laylite: 10mm Multi-wall flat cellular polycarbonate panel filled with Lumira™ aerogel insulation material.

2.4 FABRICATION

- A. Framing Components: As follows:
 - 1. Factory fit and assemble components.
 - 2. Fabricate components to drain condensation and moisture occurring or migrating within skylight system to the exterior.
 - 3. Fabricate components to accommodate expansion, contraction, and field adjustment, and to provide for minimum clearance and shimming at skylight perimeter.
 - 4. Fabricate components to ensure that glazing is thermally and physically isolated from framing members.
 - 5. Fit and secure joints in aluminum by heliarc welding.

2.5 ALUMINUM FINISHES FOR GLAZING RETAINER

- A. General: Comply with NAAMM “Metal Finishes Manual” recommendations for application and designations of finishes.
- B. Finish designations prefixed by AA conform to the system for designations of aluminum finishes established by the Aluminum Association.
 - 1. Mill Finish: Manufacturer’s standard mill finish.

PART 3- EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with installer present, for compliance with requirements for installation tolerances and other conditions affecting skylight performance.
 - a. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Comply with manufacturer's written instructions for protecting, handling, and installing skylight components.
- B. Coordinate with installation of roof deck and other substrates to receive skylight units.
- C. Coordinate with installation of vapor barriers, roof insulation, roofing, and flashing as required to assure that each element of the work performs properly and that combined elements are waterproof and weather tight. Anchor units securely to supporting structural substrates, adequate to withstand lateral and thermal stresses as well as inward and outward loading pressures.
- D. Counter Flashing: Where counter flashing is required as a component of the skylight, install to provide an adequate waterproof overlap with roofing or roof flashing (as counter flashing). Seal with thick bead of mastic sealant, except where overlap is indicated to be left open for ventilation.

3.3 CLEANING AND PROTECTION

- A. Clean exposed metal and plastic surfaces according to manufacturer's instructions. Touch up damaged metal coatings.
- B. Clean plastic skylight units, inside and out, not more than 5 days prior to date of substantial completion.

END OF SECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Tubular daylighting devices and accessories.
- B. Rectangular skylight and accessories

1.2 RELATED SECTIONS

- A. Section 07540 [07 54 00] - Thermoplastic Membrane Roofing: Flashing of skylight base.
- B. Section 07600 [07 60 00] – Flashing and Sheet Metal: Metal curb flashings.

1.3 REFERENCES

- A. ASTM E 330 - Structural Performance of Exterior Windows, Curtain Walls and Doors.
- B. ASTM E 547 - Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain walls by Cyclic Air Pressure Difference.
- C. ASTM E 1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
- D. - Standard/Specification for Windows, Doors, and Unit Skylights; 2011.
- E. FM Standard 4431 - The Approval Standard for Skylights.
- F. EN 61000-3-2:2014 - Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
- G. EN 61000-3-3:2013 - Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
- H. EN 61547:2009 - Equipment for general lighting purposes. EMC immunity requirements

1.4 PERFORMANCE REQUIREMENTS

- A. Daylight Reflective Tubes: Admit Visible Light spectrum (400 nm to 700 nm) and less than 25% reflectance for Infrared (IR) heat wavelengths (750 nm to 2500 nm).
- B. SOLAMASTER 750 DS-O / 750 DS-C (OPEN/CLOSED CEILING)
 - 1. AAMA/WDMA/CSA 101/IS2/A440, Class CW-PG70, size tested 21 inch (530 mm) diameter, Type TDDOC and Type TDDCC.
 - a. Air Infiltration Test:
 - 1) Air infiltration will not exceed 0.30 cfm/sf aperture with a pressure delta of 1.57 psf across the tube when tested in accordance with ASTM E 283.
 - b. Water Resistance Test:
 - 1) Passes water resistance; no uncontrolled water leakage with a pressure differential of 10.7 psf (512 Pa) or 15 percent of the design load (whichever is greater) and a water spray rate of 5 gallons/hour/sf for 24 minutes when tested in accordance with ASTM E 547 and ASTM E 331.
 - c. Uniform Load Test: All units tested with a safety factor of (3) for positive pressure and (2) for negative pressure, acting normal to plane of roof in accordance with ASTM E 330.
 - 1) No breakage, permanent damage to fasteners, hardware parts, or damage to make daylighting system inoperable or cause excessive permanent deflection of any section when tested at a Positive Load of 150 psf (7.18 kPa) or Negative Load of 70 psf (3.35 kPa).
 - 2. FM Certification:
 - a. Spread of Flame: Passes: Class A at 5 in 12. No flame spread when tested in accordance with FM modified version of ASTM E108 Fire Test of Roof Coverings.
 - b. Simulated Hail Resistance (Pre UV Exposure): Passes: No cracking or breaks when tested with nominal 2.0 in. (51 mm) diameter ice ball having a kinetic energy of 26.8 ft-lbs (36.4J)
 - c. Simulated Hail Resistance (Post UV Exposure): Passes: No cracking or breaks when tested with nominal 2.0 in. (51 mm) diameter ice ball having a kinetic energy of 26.8 ft-lbs (36.4J) after no less than 1000 hours of ultraviolet (UV) light exposure.
 - d. Simulated Impact: Passes: No breakage or through openings when a 100 lb (45.5 kg) weight dropped from 4 ft (1.2 m) above highest point of test sample.
 - e. Simulated Wind Uplift: Passes: 195 psf Wind Rating. No separation, breaking or cracking occurred when tested in accordance with FM 4431.

1.5 SUBMITTALS

- A. Submit product data for approval.

- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Data sheets showing roof dome assembly, flashing base, reflective tubes, diffuser assembly, and accessories.
 - 4. Installation requirements.

- C. Provide manufacturer's standard catalog pages and data sheets including detailed information on luminaire construction, dimensions, ratings, finishes, mounting requirements, listings, service conditions, photometric performance, installed accessories, and ceiling compatibility; include model number nomenclature clearly marked with all proposed features.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of twenty years experience in the top lighting industry. Secondary products shall be acceptable to the primary manufacturer.

- B. Installer Qualifications: All products shall be installed by a single installer with a minimum of five years demonstrated experience, with adequate equipment, skilled workers, and practical experience to meet the project schedule.

- C. Skylights shall conform with authorities having jurisdiction and be designed to meet design criteria of the project location and the following:
 - 1. Skylights must be certified by NFRC.
 - 2. Skylights must be Tested and labeled in accordance with AAMA/WDMA/CSA 101/I.S.2/A440.
 - 3. Skylights must have Factory Mutual (FM) Approval Class Number 4431.
 - 4. On projects which fall under the jurisdiction of the Florida Building Code, Skylights are required to have a current Florida Building Code (FBC) Number to meet the High Velocity Hurricane Zone (HVHZ) requirements and are required for acceptance of Work specified in this section. Skylight must comply with the jurisdictional code body's submittal data and supporting drawings and documentation. Where the code body's acceptance criteria differs from these specifications regarding components and hardware, the code body's requirements shall govern.
 - 5. Meet or exceed OSHA 200 pound (90 kg) Drop Tests expressed in 29 CFR 1910.23(e)(8)
 - 6. Skylights shall provide minimum 69 psf (3.30 kPa) design load.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in a cool dry location protected from the weather and in the manufacturer's original unopened containers until ready for installation.
- B. Store products in manufacturer's unopened packaging until ready for installation.

1.8 PROJECT CONDITIONS

- A. Coordinate delivery schedule with the Contractor and project schedule to minimize on site storage.
- B. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- C. Store materials in a dry area, protected from freezing, staining, contamination or damage.

1.9 WARRANTY

- A. Daylighting Device: Manufacturer's standard warranty for 10 years.
- B. Electrical Parts: Manufacturer's standard warranty for 5 years, unless otherwise indicated.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Solatube International, Inc.; 2210 Oak Ridge Way, Vista, CA 92081. Tel. Toll Free: 888-765-2882. Tel: (760) 477-1120. Fax: (760) 597-4488. Email: commsales@solatube.com. Web: www.solatube.com.
- B. Substitutions: Not permitted.

2.2 TUBULAR DAYLIGHTING DEVICES

- A. Tubular Daylighting Devices General: Transparent roof-mounted skylight dome and self-flashing curb, reflective tube, and ceiling level diffuser assembly, transferring sunlight to interior spaces; complying with ICC AC-16.

- B. SolaMaster Series: Solatube Model 750 DS, 21 inch (530 mm) Daylighting System:
1. Model:
 - a. Solatube Model 750 DS-O Open Ceiling. AAMA Type TDDOC.
 - b. Solatube Model 750 DS-C Closed (Penetrating) Ceiling. AAMA Type TDDCC.
 2. Capture Zone:
 - a. Roof Dome Assembly: Transparent, UV and impact resistant dome with flashing base supporting dome and top of tube.
 - 1) Outer Dome Glazing: Type DA, 0.125 inch (3.2 mm) minimum thickness injection molded acrylic classified as CC2 material; UV inhibiting (100 percent UV C, 100 percent UV B and 98.5 percent UV A), impact modified acrylic blend.
 - (a) Raybender 3000: Variable prism optic molded into outer dome to capture low angle sunlight and limit high angle sunlight.
 - b. Tube Ring: 0.090 inch (2.3 mm) nominal thickness injection molded high impact PVC. Prevents thermal bridging between base flashing and tubing and channel condensed moisture. Attached to base of dome ring with butyl glazing rope 0.24 inch (6 mm) diameter; to minimize air infiltration.
 - c. Dome Seal: Adhesive backed weatherstrip, 0.63 inch (16 mm) tall by 0.28 inch (7 mm) wide.
 3. Flashings:
 - a. Roof Flashing Base:
 - 1) One Piece: One piece, seamless, leak-proof flashing functioning as base support for dome and top of tube. Sheet steel, corrosion resistant conforming to ASTM A 653/A 653M or ASTM A 463/A 463M or ASTM A 792/A 792M, 0.028 inch (0.7 mm) plus or minus .006 inch (.015 mm) thick.
 - (a) Base Style: Type F4, Self Mounted, 4 inches (102 mm) high.
 - (b) Base Style: Type F8, Self Mounted, 8 inches (203 mm) high.
 - (c) Base Style: Type F11, Self Mounted, 11 inches (279 mm) high.
 - (d) Base Style: Type FC, Curb cap, with inside dimensions of 27 inches by 27 inches (685 mm by 685 mm) to cover curb as specified in Section 07600.
 - 2) Flashing Insulator: Type FI, Thermal isolation material is for use under the following flashing types: Type F4, F8, or F11.
 - 3) Curb Insulator: Curb Insulator, Type CI, Thermal isolation material is for use under flashing Type FC.
 - 4) Curb Cap Insulation: Type CCI, Nominal 1 inch thick thermal insulation pad to reduce thermal conduction between curb-cap and tubing and thermal convection between room air and curb-cap. Rated R-6 ($^{\circ}\text{F}\cdot\text{ft}^2\cdot\text{hr}/\text{Btu}$) Insulation is Polyisocyanurate foam utilizing CFC, HCFC, & HFC free blowing agent. Type-1 Class-1

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- per ASTM C 1289; Passes UL 1715 (15-minute thermal barrier per IBC 2603.4); Attic ventilation may be required per IBC 1203.2($^{\circ}\text{F}\times\text{ft}^2\times\text{hr}/\text{Btu}$). For use with Flashing Type FC.
- 5) Roof Flashing Turret Extensions: Provide manufacturer's standard extension tubes for applications as requiring:
 - (a) Type T12: Additional lengths of 12 inches (300 mm) extension.
 - (b) Type T24: Additional lengths of 24 inches (600 mm) extension.
 - (c) Type T36: Additional lengths of 36 inches (900 mm) extension.
 - (d) Type T48: Additional lengths of 48 inches (1200 mm) extension.
 - 6) Membrane Counter Flashing: Type MCF, one piece, seamless, spun Aluminum Alloy 1100, functioning as a counter flashing for use with F8 or F11 Flashings, only, when applied to membrane roofs. Corrosion resistant conforming to ASTM B 209, 0.059 inch (1.5 mm) thick.
4. Transfer Zone:
- a. Extension Tubes: Aluminum sheet, thickness 0.018 inch (0.5 mm) conforming to ASTM B 209.
 - 1) Reflective Tubes:
 - (a) Reflective extension tube, Type EXX and Type EL with total length of run as indicated on the Drawings.
 - (b) Interior Finish: Spectralight Infinity with INFRAREDuction Technology combining ultra-high Visible Light reflectance with Ultra-low Infrared (IR) reflectance.
5. Delivery Zone:
- a. Diffuser Assemblies for Tubes Not Penetrating Ceilings (Open Ceiling): Solatube Model 750 DS-O. 21 inch (530 mm) diameter diffuser attached directly to bottom of tube.
 - 1) Lens: Type L2, Prismatic lens designed to maximize light output and diffusion. Visible Light Transmission shall be greater than 90 percent at 0.100 inch (2.5 mm) thick. Classified as CC2.
 - b. Diffuser Assemblies for Tubes Penetrating Ceilings: Solatube Model 750 DS-C. Ceiling mounted box transitioning from round tube to square ceiling assembly, supporting light transmitting surface at bottom termination of tube; 23.8 inches by 23.8 inches (605 mm by 605 mm) square frame to fit standard suspended ceiling grids or hard ceilings.
 - 1) Polymeric Transition Box: Type TP, round-to-square transition box made of opaque polymeric material, classified as CC2, Class C, 0.110 inch (2.8 mm) thick.
 - 2) Metal Transition Box: Type TM, Metal Round to Square transition box comprised of Spectralight Infinity SoftLight material with structured finish on exposed reflective surface, .015 in (0.4 mm)

thick. Color: a* and b* (defined by CIE L*a*b* color model) shall not exceed plus 2 or be less than minus 2 as determined in accordance to ASTM E 308.

- 3) Lens: Type L2, Prismatic lens design to maximize light output and diffusion with extruded aluminum frame and EPDM foam seal to minimize condensation and bug, dirt and air infiltration per ASTM E 283. Visible Light Transmission shall be greater than 90 percent at 0.100 inches (2.5 mm) thick. Classified as CC2.

2.3 ACCESSORIES

- A. Fasteners: Same material as metals being fastened, non-magnetic steel, non-corrosive metal of type recommended by manufacturer, or injection molded nylon.
- B. Suspension Wire: Steel, annealed, galvanized finish, size and type for application and ceiling system requirement.
- C. Sealant: Polyurethane or copolymer based elastomeric sealant as provided or recommended by manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. Examine openings, substrates, structural support, anchorage, and conditions for compliance with requirements for installation tolerances and other conditions.
- C. If substrate and rough opening preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Coordinate requirements for power supply, conduit and wiring.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's printed instructions.

- B. Coordinate installation with substrates, air and vapor retarders, roof insulation, roofing membrane, and flashing to ensure that each element of the Work performs properly and that finished installation is weather tight.
 - 1. Install flashing to produce weatherproof seal with curb and overlap with roofing system termination at top of curb.
 - 2. Provide thermal isolation when components penetrate or disrupt building insulation. Pack fibrous insulation in rough opening to maintain continuity of thermal barriers.
 - 3. Coordinate attachment and seal of perimeter air and vapor barrier material.
- C. Where metal surfaces of tubular unit skylights will contact incompatible metal or corrosive substrates, including preservative-treated wood, provide permanent separation as recommended by manufacturer
- D. Align device free of warp or twist, maintain dimensional tolerances.
- E. Inspect installation to verify secure and proper mounting. Test each fixture to verify operation, control functions, and performance. Correct deficiencies.

3.4 FIELD QUALITY CONTROL

- A. Provide independent testing and inspection as specified in Section 01 45 23. Inspect installation to verify secure and proper mounting.
 - 1. Test for water leaks in accordance with AAMA 502 after installation and curing of sealants but prior to installation if interior finishes.
 - 2. Perform test for total area of each unit skylight.
 - 3. Notify the Architect and the Contractor of any failed tests.

3.5 CLEANING

- A. Clean exposed surfaces according to manufacturer's written instructions. Touch up damaged metal coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.

3.6 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
- C. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. NFPA 70 - National Electrical Code.
 - 4. NFPA 80 - Fire Doors and Windows.
 - 5. NFPA 101 - Life Safety Code.
 - 6. NFPA 105 - Installation of Smoke Door Assemblies.
 - 7. State Building Codes, Local Amendments.
- D. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
 - 1. ANSI/BHMA Certified Product Standards - A156 Series.
 - 2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
 - 3. UL 305 - Panic Hardware.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 - 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.

3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- D. Informational Submittals:
 1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.

1.3 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
- C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical

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hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

- E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.

- F. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.

- G. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 - 1. Function of building, purpose of each area and degree of security required.
 - 2. Plans for existing and future key system expansion.
 - 3. Requirements for key control storage and software.
 - 4. Installation of permanent keys, cylinder cores and software.
 - 5. Address and requirements for delivery of keys.

- H. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
 - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 - 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - 3. Review sequence of operation narratives for each unique access controlled opening.
 - 4. Review and finalize construction schedule and verify availability of materials.
 - 5. Review the required inspecting, testing, commissioning, and demonstration procedures

- I. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

 - B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
-

- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.5 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.6 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1. Structural failures including excessive deflection, cracking, or breakage.
 - 2. Faulty operation of the hardware.
 - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 4. Electrical component defects and failures within the systems operation.
- C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- D. Special Warranty Periods:
 - 1. Ten years for mortise locks and latches.
 - 2. Ten years for manual overhead door closer bodies.
 - 3. Twenty five years for manual overhead door closer bodies.

1.7 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
- B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
 - 1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
- C. Products furnished, but not installed, under this Section include the following. Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.
 - 1. Permanent cylinders, cores, and keys to be installed by Owner.
- D. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

- A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
 - 1. Quantity: Provide the following hinge quantity:
 - a. Two Hinges: For doors with heights up to 60 inches.
 - b. Three Hinges: For doors with heights 61 to 90 inches.
 - c. Four Hinges: For doors with heights 91 to 120 inches.
 - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
 - 2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'6": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'7" to 4'0": 5" standard or heavy weight as specified.
 - 3. Manufacturers:
 - a. McKinney (MK).

2.3 DOOR OPERATING TRIM

- A. Door Push Plates and Pulls: ANSI/BHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
3. Manufacturers:
 - a. Rockwood (RO).

2.4 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.
- C. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
 1. Threaded mortise cylinders with rings and cams to suit hardware application.
 2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 3. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 4. Keyway: Match Facility Restricted Keyway.
- D. Interchangeable Cores: Provide small format interchangeable cores as specified, core insert, removable by use of a special key; usable with other manufacturers' cylinders.
- E. Patented Cylinders: ANSI/BHMA A156.5, Grade 1 Certified Products Directory (CPD) listed cylinders employing a utility patented and restricted keyway requiring the use of a patented key. Cylinders are to be protected from unauthorized manufacture and distribution by manufacturer's United States patents.
 1. Patented key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.
 2. Manufacturers:
 - a. Medeco (MC) – MATCH EXISTING.
 - b. No Substitution.
- F. Keying System: Each type of lock and cylinders to be factory keyed.
 1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 3. Existing System: Field verify and key cylinders to match Owner's existing system.
- G. Key Quantity: Provide the following minimum number of keys:
 1. Change Keys per Cylinder: Two (2)
 2. Master Keys (per Master Key Level/Group): Five (5).
 3. Construction Keys (where required): Ten (10).
 4. Construction Control Keys (where required): Two (2).

- H. Construction Keying: Provide temporary keyed construction cores.
- I. Key Registration List (Bitting List):
 - 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
 - 2. Provide transcript list in writing or electronic file as directed by the Owner.

2.5 MECHANICAL LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.
 - 1. Where specified, provide status indicators with highly reflective color and wording for "locked/unlocked" or "vacant/occupied" with custom wording options if required. Indicator to be located above the cylinder with the inside thumb-turn not blocking the visibility of the indicator status. Indicator window size to be a minimum of 2.1" x 0.6" with a curved design allowing a 180 degree viewing angle with protective covering to prevent tampering.
 - 2. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ML2000 Series.
 - b. No Substitution.

2.6 AUXILIARY LOCKS

- A. Mortise Deadlocks, Small Case: ANSI/BHMA A156.36, Grade 1, small case mortise type deadlocks constructed of heavy gauge wrought corrosion resistant steel. Steel or stainless steel bolts with a 1" throw and hardened steel roller pins. Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DL4000 Series.
 - b. No Substitution.

2.7 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
 - 1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 - 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
- B. Standards: Comply with the following:
 - 1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 - 2. Strikes for Auxiliary Deadlocks: BHMA A156.36.

2.8 DOOR CLOSERS

DOOR HARDWARE 008710-8

- A. All door closers specified herein shall meet or exceed the following criteria:
1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
 2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
 3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
 4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC6000 Series.
 - b. Norton Rixson (NO) - 7500 Series.
 - c. Sargent Manufacturing (SA) - 351 Series.
- C. Door Closers, Surface Mounted (Cam Action): ANSI/BHMA 156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, high efficiency door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be of the cam and roller design, one piece cast aluminum silicon alloy body with adjustable backcheck and independently controlled valves for closing sweep and latch speed.
1. Manufacturers:
 - a. Corbin Russwin (RU) - DC5000 Series.
 - b. Norton Rixson (NO) - 2800ST Series.
 - c. Sargent Manufacturing (SA) - 422 Series.

2.9 ARCHITECTURAL TRIM

- A. Door Protective Trim
1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
 2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.

DOOR HARDWARE 008710-9

3. Where plates are applied to fire rated doors with the top of the plate more than 16” above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer’s catalog and template book for specific requirements for size and applications.
4. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, 050-inch thick.
5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.

6. Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood (RO).
 - c. Trimco (TC).

2.10 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
 1. Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood (RO).
 - c. Trimco (TC).

- C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
 1. Manufacturers:
 - a. Norton Rixson (RF).

2.11 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NPFA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
 1. National Guard Products (NG).
 2. Pemko (PE).
 3. Reese Enterprises, Inc. (RE).

2.12 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.13 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

DOOR HARDWARE 008710-11

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
 - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

DOOR HARDWARE 008710-12

- A. Field Inspection (Punch Report): Reference Division 01 Sections “Closeout Procedures”. Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.
 - 1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.5 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
 - 1. Quantities listed are for each pair of doors, or for each single door.
 - 2. The supplier is responsible for handing and sizing all products.
 - 3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.

DOOR HARDWARE 008710-13

4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

Include an allowance of \$1,000 per door for hardware, for function, see drawings.

END OF SECTION 087100

SECTION 092900 - GYPSUM BOARD

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. STC-Rated Assemblies: Provide materials and construction identical to those tested in assemblies per ASTM E 90 and classified per ASTM E 413 by a qualified independent testing and inspecting agency.

2.2 PANEL PRODUCTS

- A. Provide in maximum lengths available to minimize end-to-end butt joints.
- B. Interior Gypsum Board: ASTM C 1396/C 1396M, in thickness indicated, with manufacturer's standard edges
- C. Water-Resistant Gypsum Backing Board: ASTM C 1396/C 1396M, in thickness indicated.
- D. Cementitious Backer Units: ANSI A118.9, ASTM C 1288, or ASTM C 1325.

2.3 ACCESSORIES

- A. Trim Accessories: ASTM C 1047, formed from galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized-steel sheet. For exterior trim, use accessories formed from hot-dip galvanized-steel sheet, plastic, or rolled zinc.
 - 1. Provide cornerbead at outside corners unless otherwise indicated.
 - 2. Provide LC-bead (J-bead) at exposed panel edges.
 - 3. Provide control joints where indicated.
- B. Joint-Treatment Materials: ASTM C 475/C 475M.
 - 1. Joint Tape: Paper unless otherwise recommended by panel manufacturer.
- C. Laminating Adhesive: Adhesive or joint compound recommended for directly adhering gypsum panels to continuous substrate.

SECTION 092900 - GYPSUM BOARD

1. Adhesive shall have a VOC content of 50 g/L or less.
 2. Adhesive shall comply with Green Seal's GS-36 and with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- D. Acoustical Sealant for Exposed and Concealed Joints: Nonsag, paintable, nonstaining latex sealant complying with ASTM C 834.
1. Sealants shall have a VOC content of 250 g/L or less.
 2. Sealants shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- E. Sound-Attenuation Blankets: ASTM C 665, Type I (unfaced).

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install gypsum board to comply with ASTM C 840.
1. Isolate gypsum board assemblies from abutting structural and masonry work. Provide edge trim and acoustical sealant.
- B. Install cementitious backer units to comply with ANSI A108.11.
- C. Fire-Resistance-Rated Assemblies: Comply with requirements of listed assemblies.
- D. Finishing Gypsum Board: ASTM C 840.
1. At concealed areas, unless a higher level of finish is required for fire-resistance-rated assemblies, provide Level 1 finish: Embed tape at joints.
 2. At substrates for tile, provide Level 2 finish: Embed tape and apply separate first coat of joint compound to tape, fasteners, and trim flanges.
 3. Unless otherwise indicated, provide Level 4 finish: Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges.
 4. Where indicated, provide Level 5 finish: Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges. Apply skim coat to

END OF SECTION 092900

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
- 1.
 2. Stone thresholds installed as part of tile installations.
 3. Waterproof membrane for **thin-set** tile installations.
 4. Joint sealants installed as part of tile installations.
 5. Metal edge strips installed as part of tile installations.

1.2 REFERENCE STANDARDS.

- B. Comply with current editions and applicable Specifications of the following:
1. American Society for Testing and Materials (ASTM).
 2. American National Standards Institute (ANSI).
 3. Tile Council of North America (TCNA) Handbook for Ceramic Tile Installation.

1.3 SUBMITTALS

- C. Product Data: For each product indicated.
- D. Shop Drawings: Show locations of each type of tile and tile pattern. Show widths, details, and locations of expansion, contraction, control, and isolation joints.
- E. Samples:
1. Each type, composition, color, and finish of tile.
 2. Assembled samples with grouted joints for each color grout and for each type, composition, color, and finish of tile.
 3. Stone thresholds in **6-inch** lengths.
 4. For each color of joint sealant.

1.4 EXTRA MATERIALS

- F. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Crossville or Boundless: Anthony Catanzaro Garden State Tile (732)829-3681

2.2 TILE PRODUCTS

Floor Tile: Dal Tile: Glen Arbor wood look tile; color: Gray GA03 Size: 6" x 26"

Wall Tile: Dal Tile: Vitruvian 3" X 6" White, matte VV11

2.2 ACCESSORY MATERIALS

A. Metal Trim

- a. Metal Trim: Schluter Corporation; see Drawings

B. SETTING AND GROUTING MATERIALS

1. Use appropriate installation mortars according to ANSI A118-2014.
2. Grouting Materials: Select grouting materials according to the following types: Tile setting and grouting epoxy: A118.6-2010 Standard Cement Grout, A118.7-2010, High Performance Cement Grout or A118.8-2010, Modified Epoxy Emulsion Grout. Provide grout in colors selected by the Architect from standard colors available from the approved manufacturers.
3. Use waterproofing/Anti Fracture Membrane as required according to ANSI A118.12.

2.3 EXPANSION JOINTS, CONTROL, CONTRACTION, AND ISOLATION JOINTS

1. Refer to most current TCNA Handbook, Method EJ171 for recommendations on locating, treating and detailing various types of construction joints. NOTE: Architect must specify type of expansion joints and show location and details on drawings.
2. Use sealant complying with ASTM C920 according to Type, Grade, Class and Uses required.
 - a. Prefabricated expansion joints can also be used when suitable for installation.

MISCELLANEOUS MATERIALS

C. Elastomeric Sealants: Elastomeric sealants of base polymer and characteristics indicated that comply with applicable requirements in Division 07 Section "Joint Sealants."

1. One-Part, Mildew-Resistant Silicone: ASTM C 920; Type S; Grade NS; Class 25; Uses NT, G, A, and, as applicable to nonporous joint substrates indicated, O; formulated with fungicide, intended for in-service exposures of high humidity and extreme temperatures.

a. Products:

- 1) Dow Corning Corporation; Dow Corning 786.
- 2) GE Silicones; Sanitary 1700.

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- 3) Pecora Corporation; Pecora 898 Sanitary Silicone Sealant.
 - 4) Tremco, Inc.; Tremsil 600 White.
2. Multipart, Pourable Urethane Sealant for Use T: ASTM C 920; Type M; Grade P; Class 25; Uses T, M, A, and, as applicable to joint substrates indicated, O.
 - a. Products:
 - 1) Pecora Corporation; NR-200 Urexpan.
 - 2) Tremco, Inc.; THC-900.
 - b. Color: Submit color selection for verification
 - D. Trowelable Underlayments and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting materials.
 - E. Metal Edge Strips: Angle or L-shape, stainless steel; ASTM A 666, 300 Series exposed-edge material.
 - F. Grout Sealer: Manufacturer's standard silicone product for sealing grout joints that does not change color or appearance of grout.

PART 3 - EXECUTION

PREPARATION

- A. Remove coatings, including curing compounds and other substances that contain soap, wax, oil, or silicone, that are incompatible with tile-setting materials.
- B. Fill cracks, holes, and depressions with trowelable leveling and patching compound according to tile-setting material manufacturer's written instructions.
- C. Remove protrusions, bumps, and ridges by sanding or grinding.
- D. Blending: For tile exhibiting color variations, use factory blended tile or blend tiles at Project site before installing.
- E. Field-Applied Temporary Protective Coating: Where indicated under tile type or needed to prevent grout from staining or adhering to exposed tile surfaces, precoat them with continuous film of temporary protective coating, taking care not to coat unexposed tile surfaces.

INSTALLATION, GENERAL

- F. ANSI Tile Installation Standards: Comply with parts of ANSI A108 Series "Specifications for Installation of Ceramic Tile" that apply to types of setting and grouting materials and to methods indicated in ceramic tile installation schedules.
- G. TCA Installation Guidelines: TCA's "Handbook for Ceramic Tile Installation." Comply with TCA installation methods indicated in ceramic tile installation schedules.

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- H. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions, unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
- I. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Grind cut edges of tile abutting trim, finish, or built-in items. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
- J. Movement Joints: Locate movement joints and other sealant-filled joints during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.
 - 1. Locate joints in tile surfaces directly above joints in concrete substrates.
 - 2. Prepare joints and apply sealants to comply with requirements in Division 07 Section "Joint Sealants."
- K. Grout tile to comply with requirements of ANSI A108.10, unless otherwise indicated.
 - 1. For chemical-resistant epoxy grouts, comply with ANSI A108.6.
- L. Install crack isolation membrane to comply with ANSI A118.10 and membrane manufacturer's written instructions for [full floor coverage] [width of one-full tile over joint or crack plus one full tile width on each side of center tile, minimum width of 3 tiles].
- M. Install waterproofing to comply with ANSI A108.13 and waterproofing manufacturer's written instructions to produce waterproof membrane of uniform thickness bonded securely to substrate.
 - 1. Do not install tile over waterproofing until waterproofing has cured and been tested to determine that it is watertight.
- N. Metal Edge Strips: Install at locations indicated or where exposed edge of tile flooring meets carpet, wood, or other flooring that finishes flush with top of tile.
- O. Install tile on walls with the following joint widths:
 - 1. Wall Tile: **1/16 inch.**

WALL TILE INSTALLATION SCHEDULE

- P. Interior wall installation over masonry or concrete; thin-set mortar; TCA W202.
 - 1. Thin-Set Mortar: Latex-portland cement mortar.
 - 2. Grout [Polymer-modified unsanded] grout.
- Q. Interior wall installation; cement mortar bed (thickset); over metal studs; TCA W241.
 - 1. Thin-Set Mortar: Latex-portland cement mortar.
 - 2. Grout [Polymer-modified unsanded] grout.

END

SECTION 099113 - EXTERIOR PAINTING

1.1 SECTION REQUIREMENTS

- A. Submittals:
- B. Extra Materials: Deliver to Owner **1 gal. (3.8 L)** of each color and type of finish-coat paint used on Project, in containers, properly labeled and sealed.

PART 2 - PRODUCTS

2.1 PAINT

- A. MPI Standards: Provide materials that comply with MPI standards indicated and listed in its "MPI Approved Products List."
 - 1. Exterior Concrete and Brick Primer: PrepRite ProBlock by Sherwin Williams; MPI 39
 - 2. Exterior Concrete and Brick Paint: Conflex High Build Exterior Coating; MPI 40
- B. Material Compatibility: Provide materials that are compatible with one another and with substrates.
 - 1. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- C. Colors:
 - 1. SW6278 Cloak Grey
 - 2. SW6253 Olympus White

PART 3 - EXECUTION

3.1 PREPARATION

- A. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Remove hardware, lighting fixtures, and similar items that are not to be painted. Mask items that cannot be removed. Reinstall items in each area after painting is complete.
- C. Clean and prepare surfaces in an area before beginning painting in that area. Schedule painting so cleaning operations will not damage newly painted surfaces.

3.2 APPLICATION

- A. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Paint exposed surfaces new and existing unless otherwise indicated.
 - 1. Do not paint prefinished items, items with an integral finish, operating parts, and labels unless otherwise indicated.
- C. Apply paints according to manufacturer's written instructions.
 - 1. Use brushes only where the use of other applicators is not practical.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
 - 1. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

3.3 EXTERIOR PAINT APPLICATION SCHEDULE

- A. Concrete Masonry Units:
 - 1. [**Low-Sheen** Latex: **Two** coats: MPI EXT 4.1H.

END OF SECTION 099113

SECTION 099123 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submittals:

1. Product Data: Include printout of MPI's "MPI Approved Products List" with product highlighted. Basis of Design: Sherwin Williams.

- B. Extra Materials: Deliver to Owner 1 gal. (3.8 L of each color and type of finish-coat paint used on Project, in containers, properly labeled and sealed.

PART 2 - PRODUCTS

2.1 PAINT

MPI Standards: Provide materials that comply with MPI standards indicated and listed in its "MPI Approved Products List."

1. Block Filler, Latex: MPI #4.
2. Primer Sealer, Latex: MPI #50.
3. Primer, Latex, for Interior Wood: MPI #39.
4. Latex, Interior, Flat, (Gloss Level 1): MPI #53.
5. Latex, Interior, Semigloss, (Gloss Level 5): MPI #54.
6. Latex, Institutional Low Odor/VOC, Flat (Gloss Level 1): MPI #143.
7. Latex, Institutional Low Odor/VOC, (Gloss Level 2): MPI #144.
8. Latex, High-Performance Architectural, (Gloss Level 2): MPI #138.
9. Alkyd, Interior, Flat (Gloss Level 1): MPI #49.

- B. Material Compatibility: Provide materials that are compatible with one another and with substrates.

1. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.

- C. Paints and coatings shall comply with the following limits for VOC content:

1. Flat Paints and Coatings: [50] <Insert value> g/L.
2. Nonflat Paints, Coatings: [150] <Insert value> g/L.
3. Primers, Sealers, and Undercoaters: [200] <Insert value> g/L.
4. Anticorrosive and Antirust Paints Applied to Ferrous Metals: [250] <Insert value> g/L.
5. Floor Coatings: [100] <Insert value> g/L.

- D. Colors: As [selected] [scheduled].

PART 3 - EXECUTION

3.1 PREPARATION

- A. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Remove hardware, lighting fixtures, and similar items that are not to be painted. Mask items that cannot be removed. Reinstall items in each area after painting is complete.
- C. Clean and prepare surfaces in an area before beginning painting in that area. Schedule painting so cleaning operations will not damage newly painted surfaces.

3.2 APPLICATION

- A. Comply with recommendations in MPI's "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Paint exposed surfaces new and existing, unless otherwise indicated.
 - 1. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces.
 - 2. Paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 - 3. Paint the back side of access panels.
 - 4. Color-code mechanical piping in accessible ceiling spaces.
 - 5. Do not paint prefinished items, items with an integral finish, operating parts, and labels unless otherwise indicated.
- C. Apply paints according to manufacturer's written instructions.
 - 1. Use brushes only where the use of other applicators is not practical.
 - 2. Use rollers for finish coat on interior walls and ceilings.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
 - 1. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

3.3 INTERIOR PAINT APPLICATION SCHEDULE

The following paint formulas requires a three-coat finish as indicated in the MPI Architectural Painting Specifications Manual.

SECTION 099123 - INTERIOR PAINTING

Concrete Masonry Units: smooth and split face block and brick.
INT 4.2A Latex G5 finish.

- A. Concrete Masonry Units: smooth and split face block and brick.
- B. Structural Steel and Metal Fabrications: columns, beams, joists, etc.
 - 1. INT 5.1E Alkyd G5 finish.
- C. Concrete Masonry Units:
 - 1. Flat over latex block filler: MPI INT 4.2A.
- D. Steel:
 - 1. Semigloss Quick-Dry Enamel:] over quick-drying alkyd metal primer: MPI INT 5.1A.
- E. Galvanized Metal: doors, frames, railings, misc. steel, pipes, overhead decking, ducts, etc.
 - 1. Int 5.3A Latex G5 finish
- F. Wood: Including wood trim:
 - 1. Semi-gloss Latex: over latex primer for wood: MPI INT 6.3T.
- G. Gypsum Board
 - 1. Plaster and Gypsum Board: gypsum wallboard, drywall, "sheet rock type material", etc and textured finishes:
 - 2. INT 9.2A Latex G5 finish (over latex sealer) for walls.
 - 3. INT 9.2A Latex G1 finish (over latex sealer) for ceilings.

END OF SECTION 099123

SECTION 104400 - FIRE PROTECTION SPECIALTIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data.

PART 2 - PRODUCTS

2.1 FIRE EXTINGUISHERS AND BRACKETS

- A. Portable Fire Extinguishers: NFPA 10, listed and labeled for the type, rating, and classification of extinguisher.
 - 1. Subject to Requirements, provide Uline Class ABC 10
 - 2. Multipurpose Dry-Chemical Type: UL-rated [1-A:10-B:C, 2.5-lb (1.1-kg nominal capacity, in enameled-steel container.
- B. Mounting Brackets: Manufacturer's standard steel, designed to secure fire extinguisher to wall or structure, of sizes required for fire extinguishers indicated, with plated or baked-enamel finish.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install brackets at 54 inches (1372 mm) above finished floor to top of cabinet.
- B. Install fire extinguishers in [mounting brackets] [and] [cabinets] where indicated.

END OF SECTION 104400

PART 1 – GENERAL

- 1.1 This section specifies dock shelter equipment.
- 1.2 SUBMIT SHOP DRAWINGS showing overall dimensions (width, height).
- 1.3 SUBMIT 3 copies of manufacturer's owner's manual.
- 1.4 WARRANTY: Proposals submitted without the following written warranties will be considered non-responsive.
- 1.5 Shelter manufacturer shall provide with his bid a written minimum 1-year parts and labor warranty, detailed specification sheet with sizes, projection, range of trucks to be serviced, and any other information necessary for proper installation and operation of the unit. In addition to all other warranties, the manufacturer shall warrant that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after date of installation.

PART 2 - PRODUCTS

- 2.1 Shelter shall be manufactured by Rite-Hite or an approved substitute. Shelter shall be sized by manufacturer to meet specific application requirements. Rite-Hite® Eclipse® NH Dock Shelter (Model 620NH)
- 2.2 Side curtains shall provide full access to trailer and shall be removable. Removal shall require no tools.
 - 2.2.1 Side curtains shall be attached with Touch-N-Hold fastening and furnished with stay stiffeners in fabric panels.
 - 2.2.2 Side curtains shall have a double sealing leading edge.

PART 2 - PRODUCTS (continued)

- 2.3 Header shall be constructed as a canopy style header with a pivoting steel tube frame, and an integrated gutter and capable of pivoting up should trailer height rise unexpectedly during positioning.
 - 2.3.1 Header seal shall provide a tight, consistent seal across the entire width of the trailer top, regardless of trailer height within standard range.
 - 2.3.2 Foam sealing member shall be weighted and lie flat across entire width of trailer top.
- 2.4 Header seal member shall be self positioning and require no manual activation.
 - 2.4.1 Weighted foam sealing member shall be protected by flexibly attached front impact plates that act to position the seal on top of the trailer.

- 2.4.2 Weighted foam sealing member shall be free to move vertically with trailer displacement to maintain atight seal during loading and unloading conditions.
- 2.5 Header seal shall provide unobstructed full height access to the trailer opening.
- 2.6 Canopy top and side frame fabrics shall be a lightweight fabric.
- 2.7 Side frame shall be constructed with foam wrapped in flexible HMWPE sheets and wrapped in outerfabric layer. Side frame shall be impactable by trailer.
- 2.8 Side curtain construction consists of a sealing pocket at the top for the foam sealing member to penetrateduring operation. Gaps at upper corners of unit where head curtain meets side curtain shall be blocked.
 - 2.8.1 Side curtain pocket shall be self positioning with foam sealing member and require no manualactivation.
 - 2.8.2 Side curtain fabric shall be high strength with friction-resistant surface.
- 2.9 Collapsible bottom draft pads shall seal the gap between the sides of the trailer and the side frames.

PART 3 - EXECUTION

- 3.1 INSTALLER shall examine the substrate and conditions under which shelter/seal is to be installed andnotify the A/E and Contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- 3.2 SHELTER MANUFACTURER’S REPRESENTATIVE shall install header seal/shelter in accordancewith approved shop drawings and manufacturer’s recommendations.
- 3.3 AFTER INSTALLATION is completed, a representative of the manufacturer shall examine the installation and require that all adjustments necessary to assure proper operation of header seal/shelterhas been made. Before acceptance, an inspection shall be conducted in the presence of the Owner’s representative to guarantee that the shelter/seal operates properly in every respect.

END OF SECTION

SECTION 123530 - RESIDENTIAL CASEWORK

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product data, **Shop Drawings**

PART 2 - PRODUCTS

2.1 CABINETS

- A. Quality Standard: Comply with AWI Custom Grade
1. Provide cabinets with KCMA's "Certified Cabinet" seal affixed in a semiexposed location of each unit.
- B. Certified Wood: Cabinets shall be certified as "FSC Pure" or "FSC Mixed Credit" according to FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship," and to FSC STD-40-004, "FSC Standard for Chain of Custody Certification."
- C. Face Style: **Flush overlay**
- D. Cabinet Style: **Frameless.**
- E. Door and Drawer Fronts: Wood stiles and rails, with **flat** wood center panels.
- F. Door and Drawer Fronts: Veneer-faced plywood.
- G. Door and Drawer Fronts: **Plastic-laminate**
- H. Door and Drawer Fronts: **Plastic laminate**
- I. Face Frame finish: **Plastic laminate**
- J. Exposed Cabinet End Finish: **Plastic laminate**
- K. Exposed Plastic Laminate: **Plastic laminate**
- L. Door and Drawer Pulls: **Wire pulls**
- M. Hinges: **Concealed European-style self-closing hinges**
- N. Drawer Guides: Epoxy-coated-metal, self-closing drawer guides with nylon-tired, ball-bearing rollers.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install cabinets with no variations in flushness of adjoining surfaces by using concealed shims. Where casework abuts other finished work, scribe and cut for accurate fit. Provide filler strips, scribe strips, and moldings in finish to match casework face.
- B. Install cabinets without distortion so doors and drawers fit openings properly and are aligned.
- C. Install level and plumb to a tolerance of **1/8 inch in 8 feet (3.2 mm in 2.4 m)**.
- D. Fasten each cabinet to adjacent unit and to structural members of wall construction. Fasten wall cabinets through back, near top and bottom, at ends and not less than **24 inches (600 mm) o.c.**
 - 1. Use No. 10 wafer-head screws sized for **1-inch (25-mm)** penetration into wood framing, blocking, or hanging strips.
 - 2. Use No. 10 wafer-head sheet metal screws through metal backing or framing behind gypsum board.
 - 3. Use toggle bolts through metal backing or framing behind gypsum board.

END OF SECTION 123530



PHASE I ENVIRONMENTAL SITE ASSESSMENT

AMOSLAND ROAD PROPERTY
101 Amosland Road
Ridley Township, Delaware County, Pennsylvania

Prepared For: **SHARE FOOD PROGRAM**
2901 HUNTING PARK AVENUE,
PHILADELPHIA, PA 19129

EEl Project No. 33866.00

July 9, 2021

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APPENDICES

ENVIRONMENTAL DATABASE REPORT

DELAWARE COUNTY PARCEL SEARCH RESULTS

BOUCHER & JAMES, INC. ACT II REPORT, DATED MARCH 2, 2021

APPROVAL OF FINAL REPORT PA BULLETIN, VOLUME 42, PAGE 4218



1 General Information

Earth Engineering, Inc. (EEI) was contracted by Share Food Program to perform a Phase I Environmental Site Assessment (ESA), for the subject property located at 101 Amosland Road, Ridley Township, Delaware County, Pennsylvania, which is referred to herein as the Subject Property. The subject property is identified as parcel numbers 38040018900 and 38040019001.

2 Executive Summary

2.1 Subject Property Description

The subject property is an approximately 1,785 square foot set of irregularly shaped parcels. The property is presently improved with a portion of a larger warehouse structure and gravel parking area.

2.2 Data Gaps

EEI did not identify historical references for an eight-year maximum span; however the site conditions observed in the available historical references indicate that additional historical references would not provide significant information for the subject property.

2.3 Environmental Report Summary

Earth Engineering, Inc. (EEI) was contracted to perform a Phase I Environmental Site Assessment (ESA) for the subject property. The assessment reveals that the property was improved with the James Ice MFG. Co. as early as 1919. By 1950, the subject property was occupied by the Delco Ice and Fuel Co. while the remainder of the structure was occupied by Metcon Inc. By 1972, the property was part of the Nelson Co. pipe fabrication facility. The property was utilized as a space for constructing exhibitions and storage. The structure was mostly vacant at the time of inspection. EEI has reviewed the state, federal, and local records database information and has not identified any nearby facilities which are likely to have an adverse impact on the subject property.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 of the property located at 101 Amosland Road, Ridley Township, Delaware County, Pennsylvania. Any exceptions to or deletions from, this practice are described in Section 3.4 Limitation and Exceptions, and



Section 3.5 Deviations of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property.

EEl was provided with an Act II report, prepared by Boucher & James, Inc. (B&J), dated March 2, 2012, to review for the purposes of this assessment. The assessment focused on a 1,000-gallon heating oil UST located under the floor slab of the subject property along the eastern wall. The tank was excavated and emptied of fuel oil on April 27, 2011. After cleaning, B&J advanced a boring through the bottom of the tank to collect a soil sample. Due to groundwater, no soil sample was collected. B&J collected a sample of the inflowing water from the UST which found compounds which exceeded the PADEP Residential Statewide Health Standards. The UST was filled in with concrete following the collection of the water sample. A total of five (5) geoprobe borings were advanced in the area around the UST; two (2) within the structure and three (3) in the surrounding parking lot. The borings were advanced to saprolitic material and converted into monitoring wells. Soil and groundwater samples were collected with no exceedances of the PADEP Residential Statewide Health Standards. B&J concluded that the impact was localized to the water in the tank subgrade with no impact detected in the surrounding wells. The PADEP approved the final report on June 5, 2012 with no further action required. Based on completed status of the site and the achievement of the PADEP Residential Statewide Health Standards, the former UST is considered a historic recognized environmental condition.

3 Introduction

3.1 Purpose

Earth Engineering, Incorporated (EEI), was contracted by Share Food Program to perform a Phase I Environmental Site Assessment on the subject property for the purpose of identifying potential environmental conditions on the subject property and assessing the risk of any identified conditions present. This Phase I ESA was conducted in accordance with ASTM 1527- 13, which has been determined to meet the requirements of All Appropriate Inquiry as put forth by the USEPA (EPA AAI).

3.2 Scope of Work

The Scope of Work for this project included a site reconnaissance, during which, the subject property was inspected by an environmental professional looking for any indications of a release or threatened release to the subject property, a review of the



federal, state, and local databases for any information which may represent an environmental liability on the subject property, obtaining and reviewing historical documents including, historical aerial photographs, historical maps, property references, and lien records. The information collected during the research phase of the project has been analyzed and documented. Conclusions and opinions of an environmental professional are also presented in this report.

3.3 Significant Assumptions

There were no significant assumptions made during this investigation.

3.4 Limitations and Exceptions

The data and conclusions contained in this report are based upon available information obtained for the site and observations made in the field. Discrepancies or inaccuracies regarding any data provided are not the responsibility of EEI. EEI further assumes no responsibility or liability for environmentally hazardous materials, which are the responsibility of the site owners, adjacent property owners, or other persons or entities.

3.5 Deviations

EEI has not identified historical references with five-year maximum time span. Based on the documents provided for the property as well as the information obtained from other sources, EEI does not believe that these deviations are material to the findings and conclusions of this report. If additional information is forthcoming which does affect the findings and conclusions of this report, EEI will issue an addendum under separate cover.

3.6 Special Terms and Conditions

None.

3.7 Reliance

This report is intended to provide a professional service to Share Food Program and their successors and assigns and is intended to present a professional opinion regarding the subject property located at 101 Amosland Road, Ridley Township, Delaware County, Pennsylvania, being the Property.



4 Site Description

4.1 Location and Legal Description

The subject property consists of a portion of a warehouse structure and surrounding gravel parking lot to the east. The Parcel is identified as parcel numbers 38040018900 and 38040019001. The subject property is shown on the following Ridley Township Parcel Map.

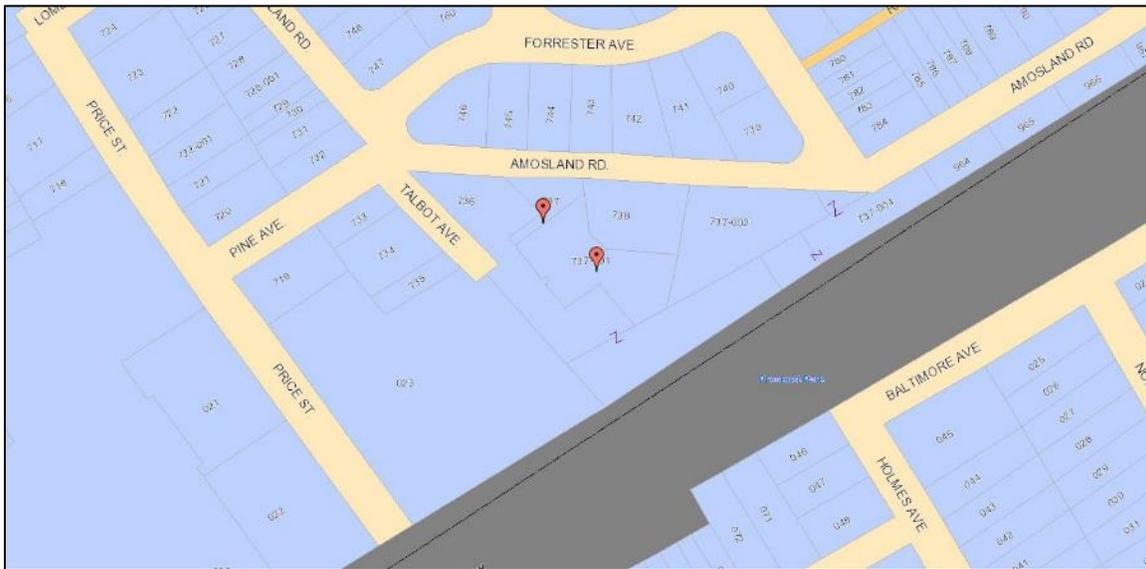


Figure 1 Site Location Shown on Ridley Township Parcel Map

The approximate coordinates of the property are Latitude (North): 39.8955540, Longitude (West): 75.3094140. The property is zoned as Taxable Commercial.

4.2 Activity and Use Limitations

No activity and Use Limitations were identified for the property.

4.3 Site and Vicinity Description

The subject property lies within an area of primarily residential and commercial properties.

4.4 Current Use of Property

The subject property is currently improved with a warehouse structure and gravel parking area.

4.5 Description of Structures and Other Improvements

The subject property is improved with a warehouse structure, office space, and gravel parking area.

4.6 Adjoining Property Information

NORTH – Amosland Road, followed by residential dwellings.

EAST – Commercial structures, followed by railroad tracks.

SOUTH – Connected commercial structures, followed by railroad tracks and residential dwellings.

WEST – Commercial and residential properties, followed by Price Avenue.

5 User Provided Information

5.1 Specialized Knowledge

No specialized knowledge is reported.

5.2 Valuation Reduction for Environmental Issues

There are no reductions in the value of the property due to known environmental issues.

5.3 Owner, Property Manager, and Occupant Information

According to the Ridley Township Records, the property is owned by AMOS REALTY LP. Prior owners included 101 ASSOCIATES LLC, SOTIROPOULOS HIPPOCRATES, RICHARD GERMAN, and CARROL C & DOROTHY WEAVER. None of these entities provide any indication of an environmental concern.

6 Records Review

6.1 Standard Environmental Records Sources

Federal, state, and local databases were searched, and the findings were reviewed for evidence of potential impact to the subject property.



6.1.1 Subject Property

The subject property was identified on the EDR database as the AMOS REALTY LP site. The site is listed in the VCP database. Soil and groundwater on the site were impacted by Fuel Oil No. 2 with cleanup activities completed on June 5, 2012. The full remediation is summarized in Section 6.2 of this assessment.

6.1.2 Nearby Facilities

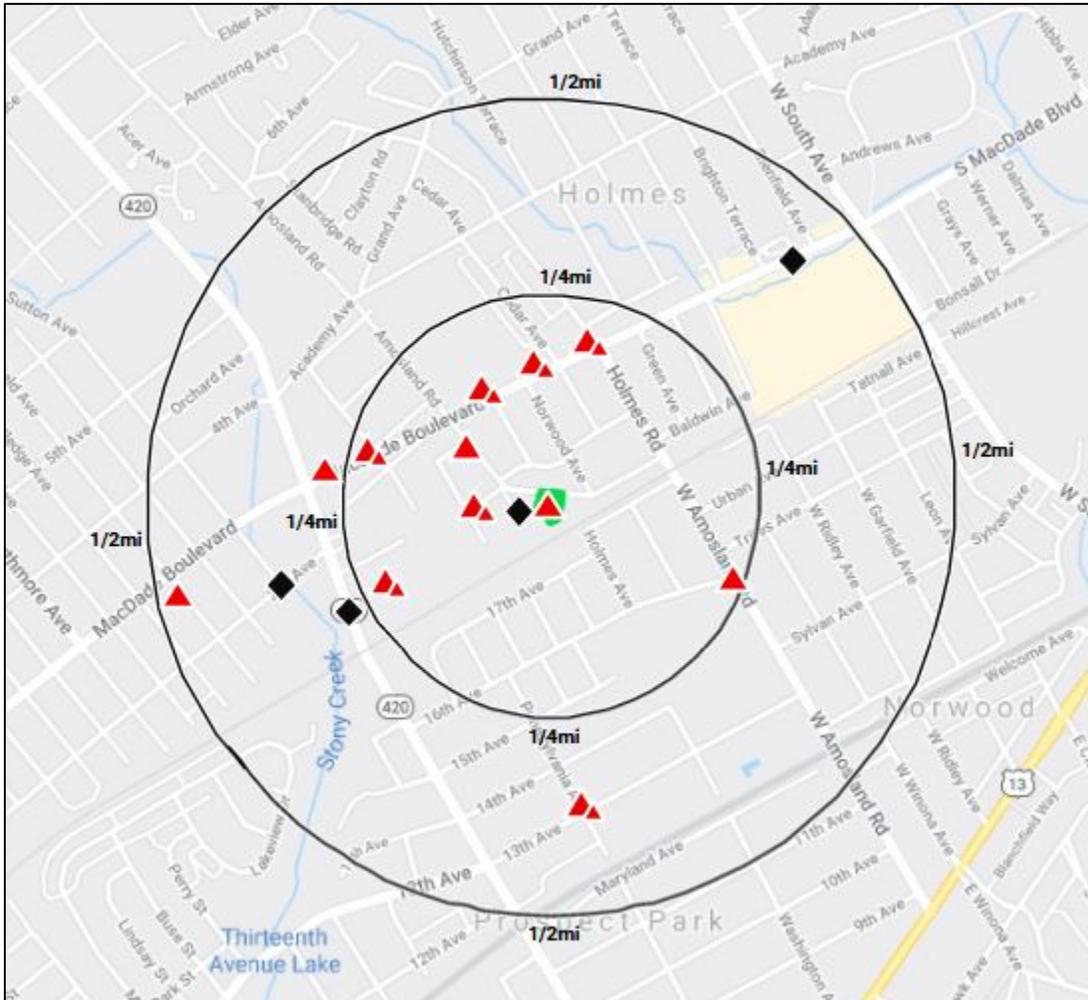


Figure 2 Map of Environmental Records Near Subject Property.

EEL reviewed each of the records within the database search. The facilities identified within the ASTM search radii depicted on the map above were reviewed and the details of each are presented below. The following table presents a summary of the records identified within the ASTM specified radii of the subject property.

SITE NAME	ADDRESS	DATABASES	ELEV	DIST(mi)	SUMMARY
GARYS COLLISION SERVICE	200 PINE ST GARAGE B	RCRA NONGEN / NLR, FINDS, ECHO	Higher	0.066	Facility is a handler of hazardous waste with no outstanding violations.
CENTRAL SPORTS CAR PARTS	200 PINE ST GARAGE A	RCRA NONGEN / NLR, FINDS, ECHO	Higher	0.066	Facility is a handler of hazardous waste with no outstanding violations.
ASSEMCO	PRICE & PINE ST	VCP, ACT 2-DEED	Higher	0.091	Impacted soils on the property underwent a voluntary cleanup program which was completed on November 12, 1998 achieving statewide health standards.
C TECH AUTO BODY	AMOSLAND & LOMBARD ST	RCRA NONGEN / NLR, FINDS, ECHO	Higher	0.112	Facility is a handler of hazardous waste with no outstanding violations.
FAMILY DOLLAR STORE NO 8745	2121 MACDADE BLVD	RCRA-VSQQ, FINDS, ECHO, MANIFEST	Higher	0.139	Facility is a generator of hazardous waste with no violations.
AMOCO SERVICE STATION	2209 MACDADE BLVD	RCRA NONGEN / NLR, RCRA-SQG, LUST, ARCHIVE UST, FINDS, ECHO	Higher	0.158	Facility is both a generator and handler of hazardous waste with no outstanding violations. Three (3) 10,000-gallon gasoline USTs and two (2) 550-gallon used oil USTs were removed from the site. Soil and groundwater impacted by unleaded gasoline originating from a leaking UST were documented; cleanup activities were completed on October 16, 2004.
EXXON RS 2 2556	MACDADE BLVD & HOLMES RD	ARCHIVE UST, LUST	Higher	0.195	Four (4) 4000-gallon and one (1) 550-gallon petroleum-based USTs were closed without a permit. Soil and groundwater impacted by unleaded gasoline and Fuel Oil No. 2 originating from leaking USTs was documented on the site; cleanup activities were completed on May 25, 2011.
HOLMES CTR	500 PINE ST	ARCHIVE UST	Higher	0.205	One (1) 10000-gallon diesel UST was closed without a permit on this site.
VISUAL COMMUNICATIONS INC	500 PINE AVE HOLMES CORP CTR	RCRA-SQG	Higher	0.205	Facility is a generator of hazardous waste with no violations.
MIKE HRISTOFILAS ATLANTIC STA	2000 MACDADE BLVD	ARCHIVE UST	Higher	0.21	Two (2) 4,000-gallon gasoline USTs and one (1) 8,000-gallon gasoline Ust are documented on the site.
OTTOS SVC STA	2001 MACDADE BLVD	LUST, AUL, ARCHIVE UST	Higher	0.215	Three (3) 3,000-gallon gasoline USTs and one (1) 550-gallon used oil UST were removed from the site. Soil impacted by unleaded gasoline, leaded gasoline, and used motor oil originating from a leaking UST was documented on the site; cleanup activities were completed on April 17, 2017. An AUL was documented on the site.
INTERBORO HIGH SCH	16TH & AMOSLAND RD	ARCHIVE UST	Higher	0.236	One (1) 20,000-gallon heating oil UST was documented on the site.
KLEEN ALL CTR	1906 MACDADE BLVD	RCRA-SQG, US AIRS, AIRS, DRYCLEANERS	Higher	0.249	Facility is a generator of hazardous waste with no outstanding violations. Dry cleaning activities were documented on the site as of 2007.
CVS PHARMACY #2867	1937 MACDADE BLVD	RCRA-VSQQ, MAINFEST	Higher	0.249	Facility is a generator of hazardous waste with no violations.
BRYN HILL IND	120 KEDRON AVENUE	VCP, ACT 2-DEED	Lower	0.273	Soil impacted by chlorinated solvents was documented on the site; cleanup activities were completed on March 25, 2003.
KEYSTONE BANK SITE	1937 E MACDADE BLVD	VCP, ACT 2-DEED	Higher	0.274	Soil impacted by Fuel Oil No. 2 was documented on the site; cleanup activities were completed on May 29, 2008.



After a review of the EDR databases, none of the records reviewed are likely to result in environmental impacts on the subject property. A copy of the Environmental Data Resources Report of the database information is included in the appendix of this report.

6.2 Additional Environmental Records Sources

EEl was provided with an Act II report, prepared by Boucher & James, Inc. (B&J), dated March 2, 2012, to review for the purposes of this assessment. The assessment focused on a 1,000-gallon heating oil UST located under the floor slab of the subject property along the eastern wall. The tank was excavated and emptied of fuel oil on April 27, 2011. After cleaning, B&J advanced a boring through the bottom of the tank to collect a soil sample. Due to groundwater, no soil sample was collected. B&J collected a sample of the inflowing water from the UST which found compounds which exceeded the PADEP Residential Statewide Health Standards. The UST was filled in with concrete following the collection of the water sample. A total of five (5) geoprobe borings were advanced in the area around the UST; two (2) within the structure and three (3) in the surrounding parking lot. The borings were advanced to saprolitic material and converted into monitoring wells. Soil and groundwater samples were collected with no exceedances of the PADEP Residential Statewide Health Standards. B&J concluded that the impact was localized to the water in the tank excavation backfill. No detections of fuel related compounds were identified in any of the groundwater samples collected on the site. The PADEP approved the final report on June 5, 2012 with no further action required. A copy of the Act II report can be found attached to this assessment as well as the publication text from the Pennsylvania Bulletin of the approval of this report.

6.3 Physical Setting Sources

The physical setting of the subject property was determined using:

- LANSDOWNE, PA USGS 7.5' topographic quadrangle.
- <http://www.gis.dcnr.state.pa.us/geology/index.html>

According to the USGS Topographic Quadrangle, the topography of the subject property is at an approximate elevation of 95.0 feet and slopes down generally to the west.



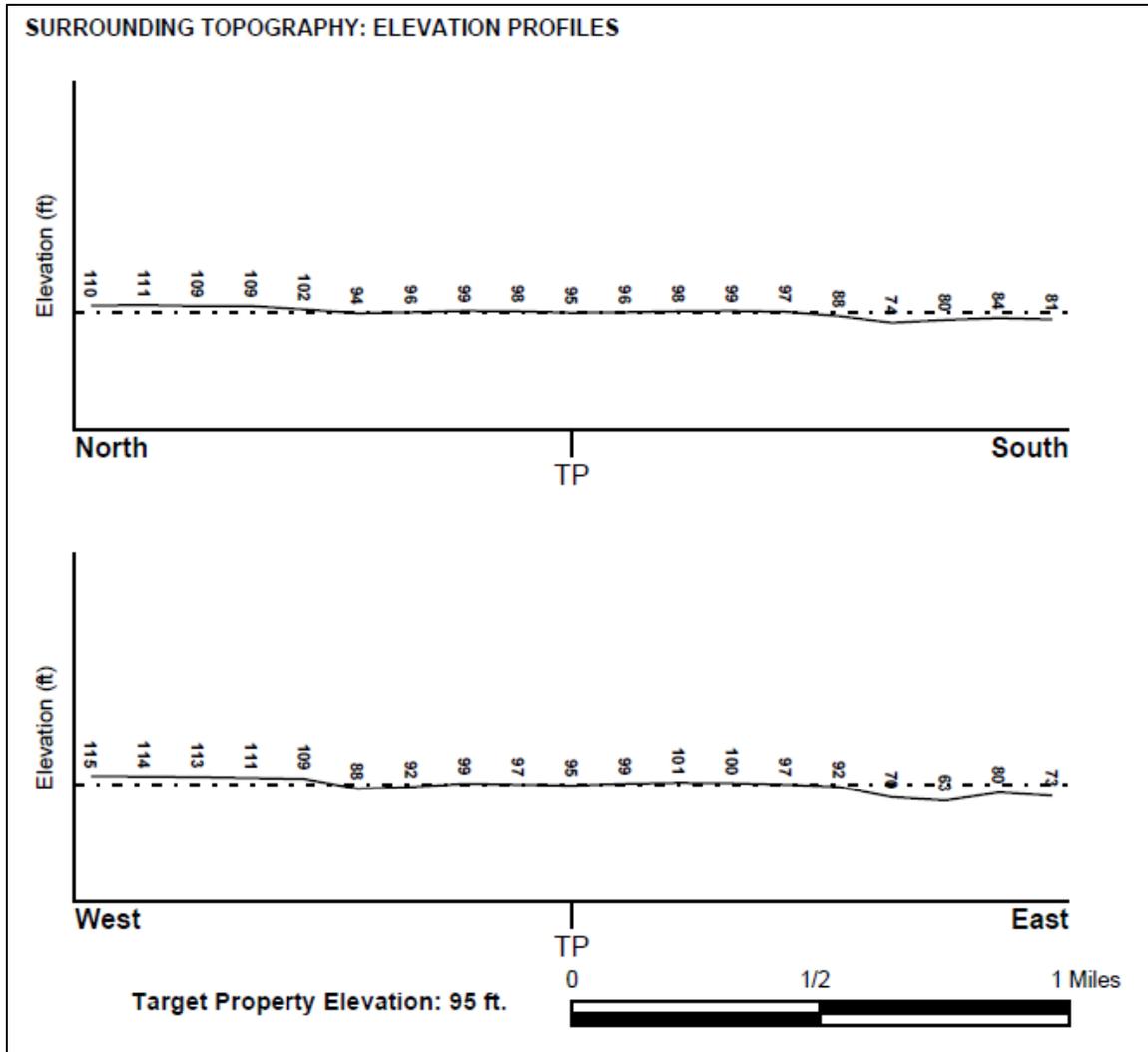


Figure 3 Surrounding Topography: Elevation Profile

According to the PAGES web application, the subject property is located near the contact of the Wissahickon Formation (Geologic symbol -Xw) and the Pensauken and Bridgeton Formations, undifferentiated (Geologic symbol -Tpb). The Wissahickon Formation is a schist metamorphosed to amphibolite facies. It contains garnet, staurolite, kyanite, and sillimanite. It includes oligoclase-mica schist, some hornblende gneiss, some augen gneiss, and some quartz-rich and feldspar-rich members due to various degrees of granitization. Its thickness is unknown (Berg and others, 1980; Kauffman, 1999).

The Pensauken Formation overlies the Bridgeton Formation. It consists of yellow to dark-reddish-brown, cemented, extensively crossbedded, feldspathic quartz sand with interbedded coarse gravel and boulders up to 5 feet in size. Its maximum thickness is at least 30 feet. The Bridgeton Formation occurs as remnants of a terrace at an altitude of between 10 and 175 feet above sea level. It is composed of extensively crossbedded,



clayey, feldspathic quartz sand stained reddish brown at its top. Below the reddened zone, the sand is either yellow or white. Beds of gravel are locally present. Its maximum thickness is about 30 feet (Geyer and Wilshusen, 1982).

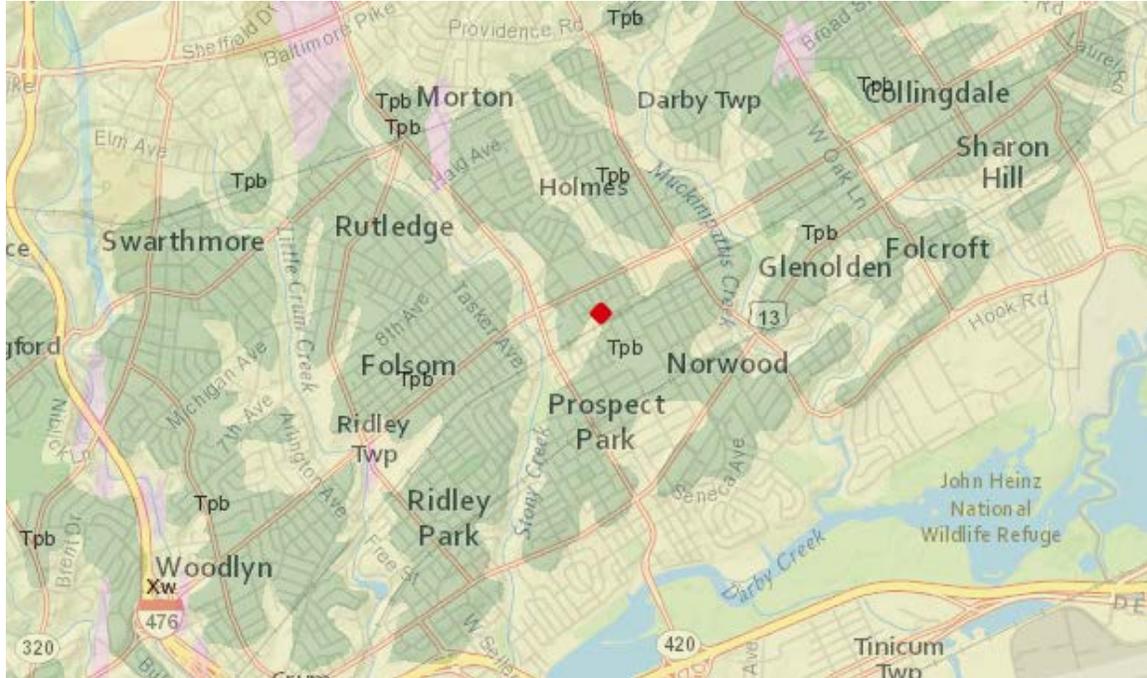
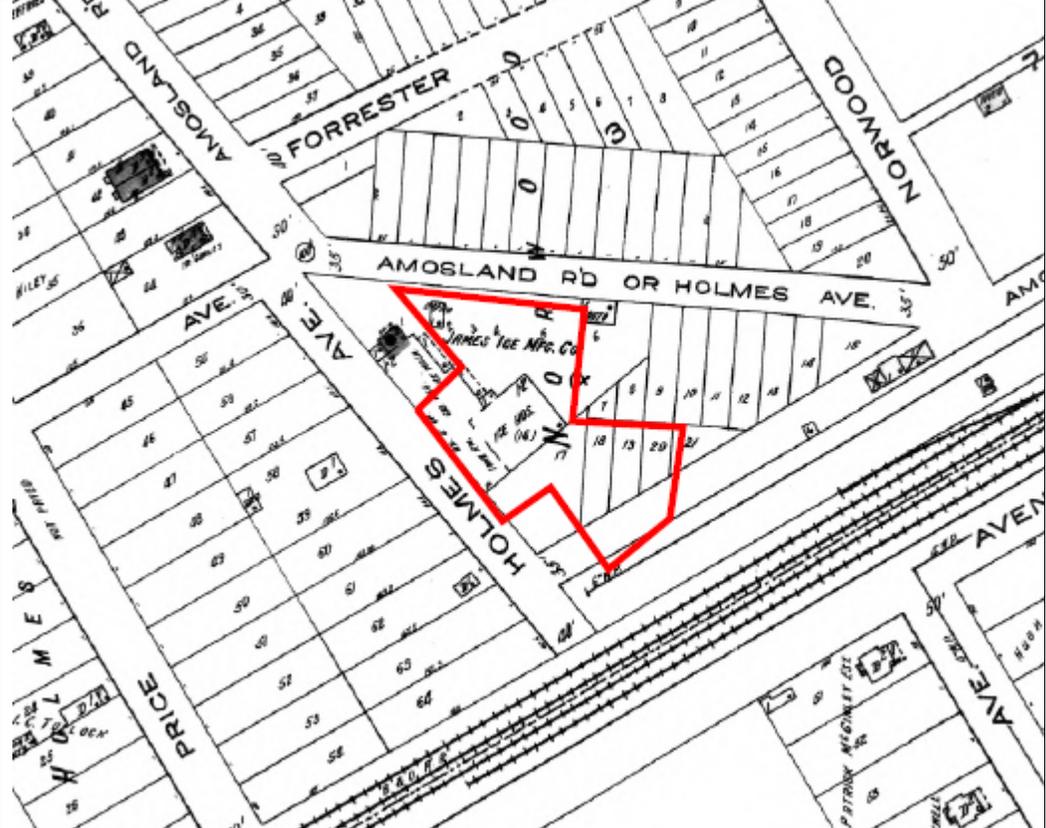


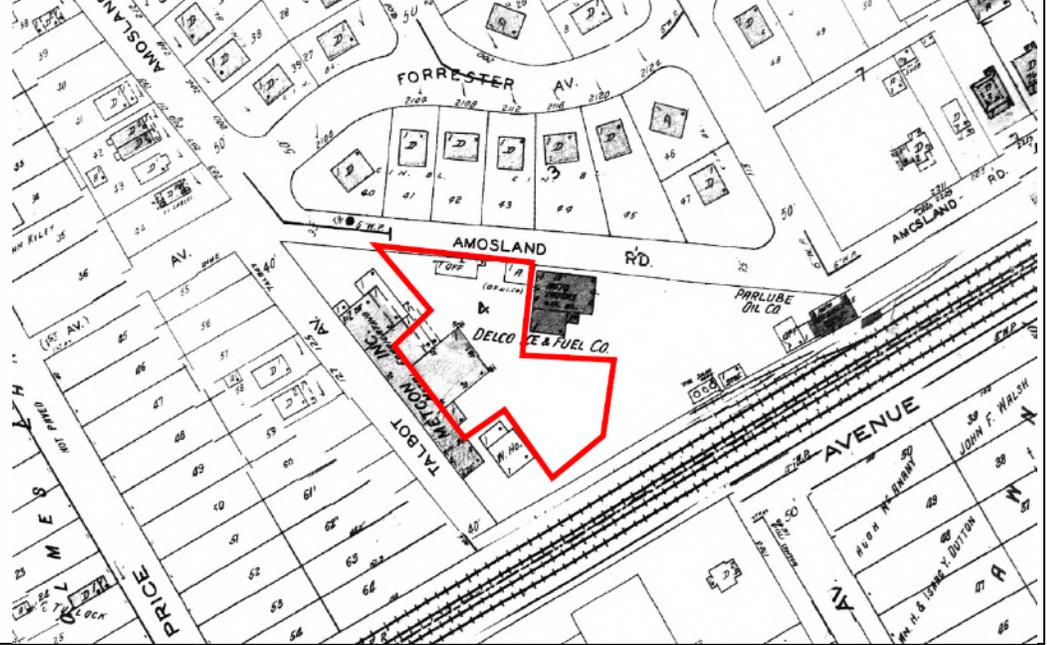
Figure 4 Geologic Map of Subject Property and Surrounding Area

6.4 Historical Use of Property and Surrounding Properties

EEl searched for historical references including aerial photographs, Sanborn Fire Insurance Maps, and historical maps/records of the subject property.

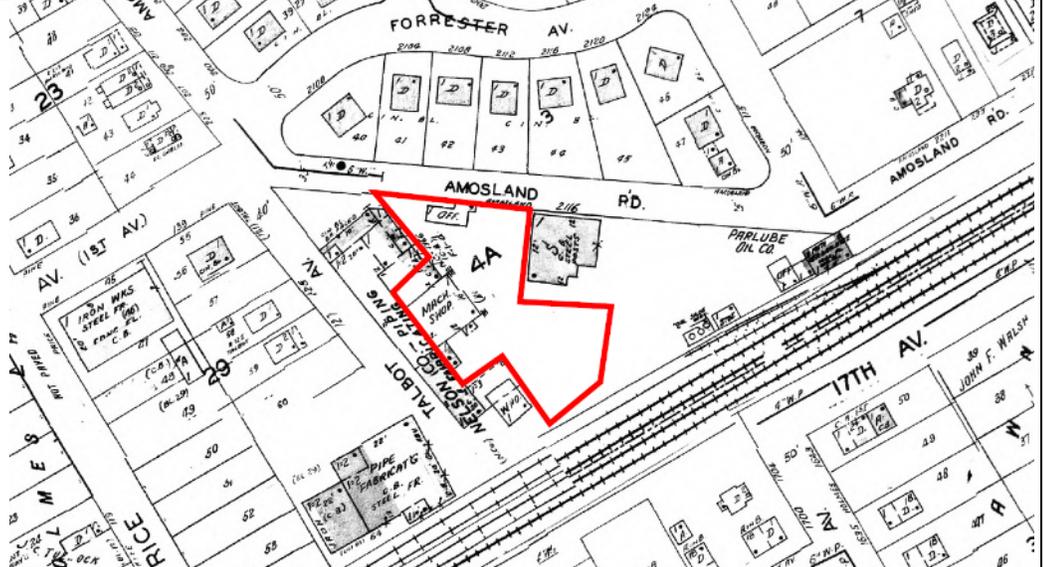
Date	Subject Property	Adjacent	
1919	The subject property is depicted as part of the James Ice MFG. Co.	The surrounding area is sparsely developed with residential dwellings. A railroad line runs south of the property.	
1937		The land north and east of the property is improved with residential dwellings. Two large commercial structures are visible west and southeast of the property.	

Date	Subject Property	Adjacent	
1940		Additional residential development is visible to the south.	
1945			

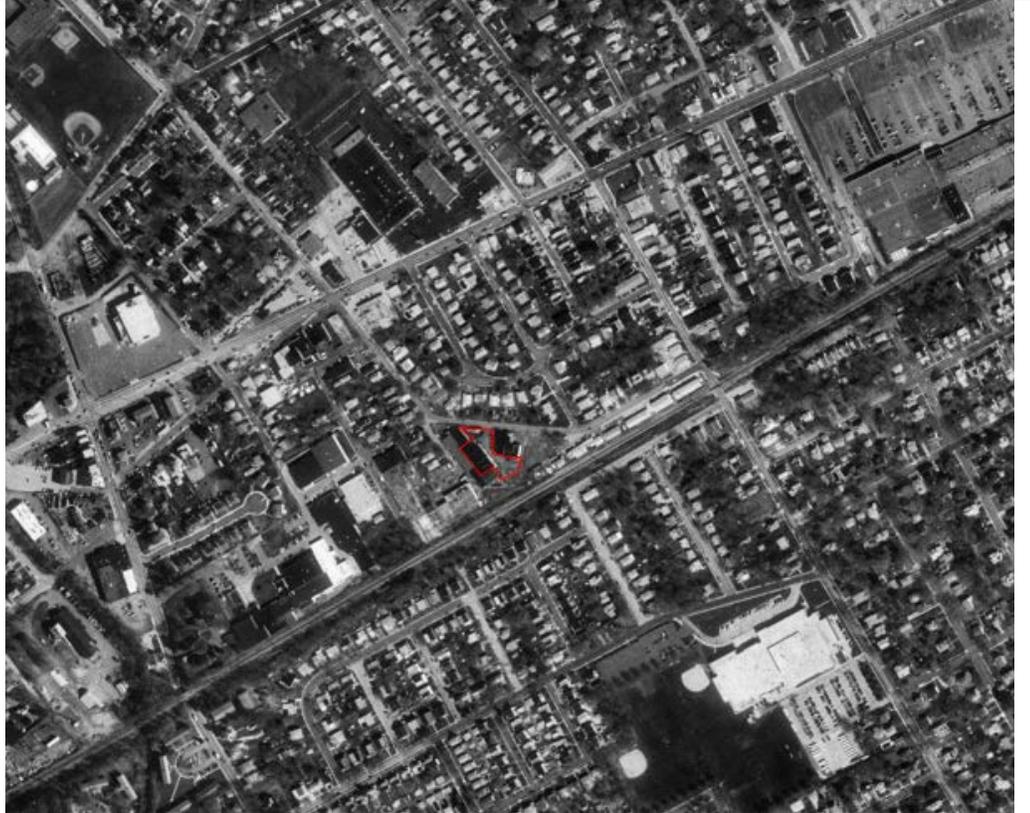
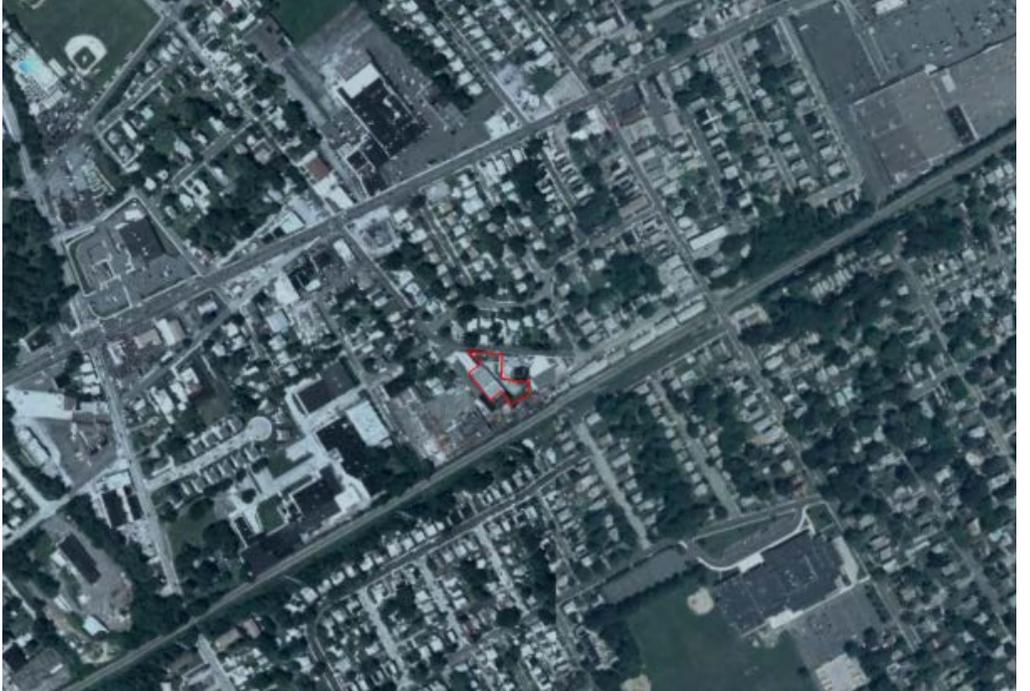
Date	Subject Property	Adjacent	
1950	<p>The subject property is depicted as Delco Ice & Fuel Co. A small office is depicted on the northern portion of the site.</p>	<p>The adjacent part of the warehouse structure on the property is depicted as Metcon Inc. which was a metal fabricator. The Parlube Oil Co. is located immediately east of the subject property.</p>	

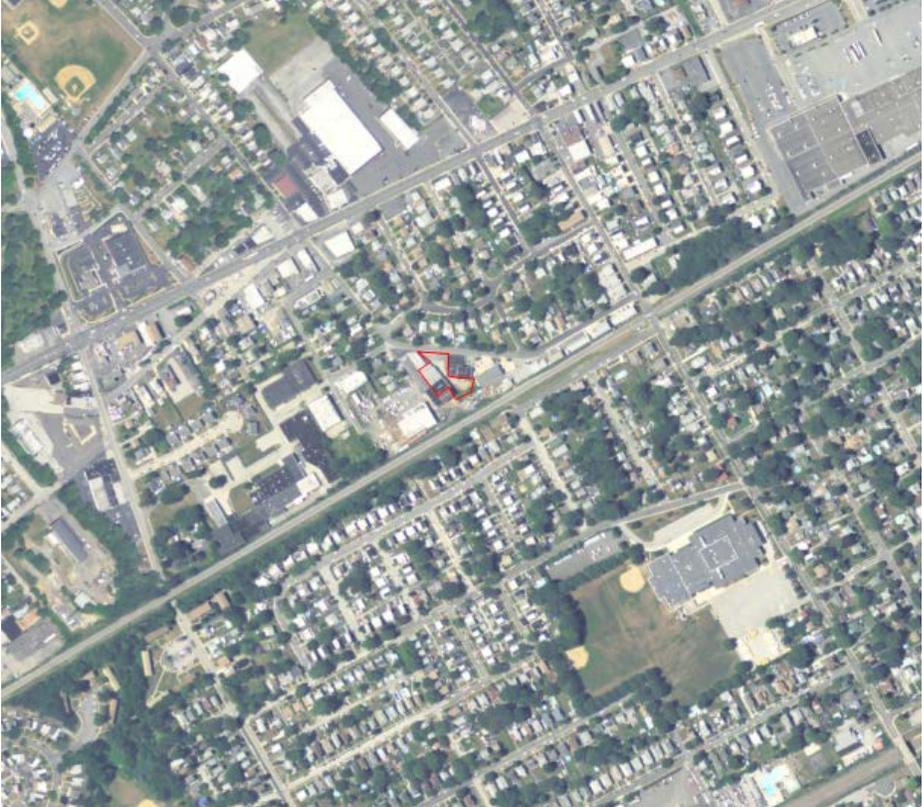
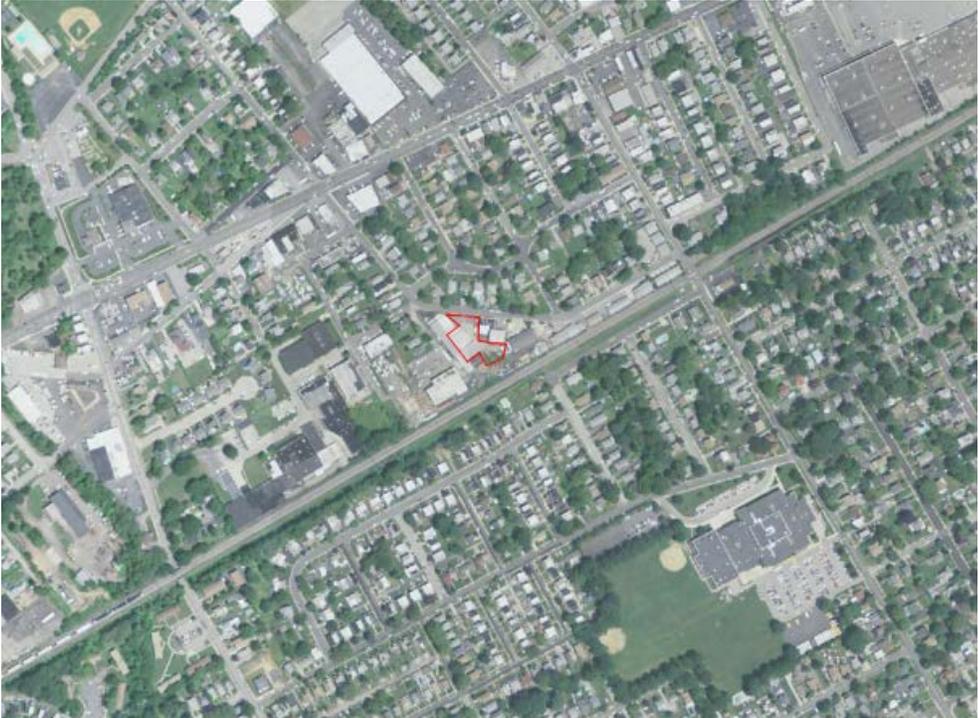
Date	Subject Property	Adjacent	
1953			
1962		<p>More commercial warehouses, structures and storefronts have opened in the surrounding areas (northwest and southwest) within the residential area. As well as more residential construction occurring.</p>	

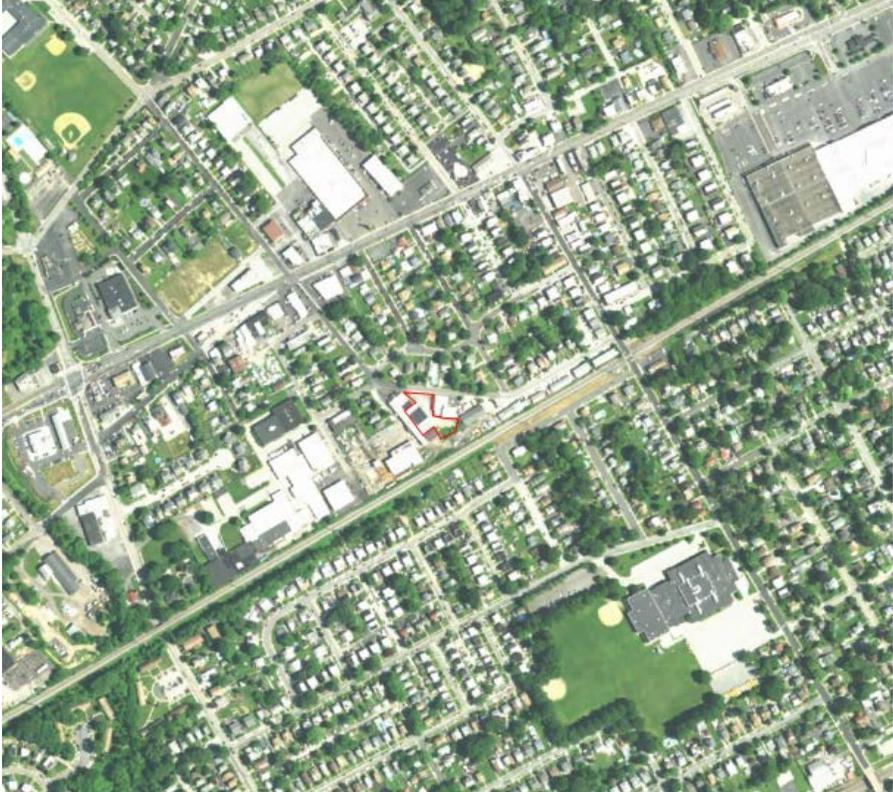
Date	Subject Property	Adjacent	
1965			
1971		<p>The commercial complex northeast of the property along Macdade Blvd has been redeveloped into a large warehouse.</p>	

Date	Subject Property	Adjacent	
1972	The property is depicted as part of the Nelson Co. pipe fabricator.		
1981	Subject property renovates for an addition to the structure. External Addition also constructed on subject property.	Empty lot to the southeast of subject property has undergone construction into a school.	

Date	Subject Property	Adjacent	
1992		Property to the southwest has been divided into residential townhomes.	
1993			

Date	Subject Property	Adjacent	
1999		Adjacent residential development continues by creation of dead-end roads, and new streets.	
2005		The vacant land formerly occupied by the oil company has been redeveloped into an auto repair shop east of the subject property.	

Date	Subject Property	Adjacent	
2010			
2013			

Date	Subject Property	Adjacent	
2017			
2020			

6.5 Environmental Liens and Activity/Use Limitations

None identified for the property.

7 Site Reconnaissance

Date of Reconnaissance:	Escort/Site Personnel Met:	Limiting Conditions:
June 29, 2021	Don Grimes, Seller's Broker Michael Evans, Owner	None
<p>Main view of the structure on the subject property. The structure is occupied by a warehouse and small office space.</p>		
<p>Southern edge of the parcel where the adjacent structure meets the subject property.</p>		
<p>View of the space between the subject property and adjacent structure along southern edge.</p>		

View of the parking area on the subject property.



One of two observed groundwater monitoring wells noted in the parking lot on the subject property. The wells do not appear to be abandoned.



The 250-gallon heating oil AST located outside the subject property.



View of the vent and fill pipes previously connected to the UST which was closed in the above Act II report.



The floor slab showing the cut where the UST was excavated, cleaned, and closed in place.



Typical view of the warehouse area.



View of a heating oil AST located in the warehouse.



View of the pit located in the warehouse. They were covered and out of service at the time of assessment.



View of a heating oil AST located in the warehouse.



View of an oil heater located in the warehouse.



View of patched pipes in the floor slab of the warehouse.



View of an electric winch located on the ceiling of the warehouse.



View of a series of cranes located on the ceiling of the warehouse.



View of an electric winch in the warehouse.



View of the electrical panels in the warehouse.



View of the office on the subject property. The space was vacant at the time of assessment.



View facing north along Amosland Road.



View facing west across Talbot Avenue along Pine Street.



View facing south along
Talbot Avenue.



View facing east along
Amosland Road.



8 Interviews

EEl contacted Ridley Township personnel regarding any records or information pertaining to the environmental conditions on the subject property. On July 8, 2021, Ridley Township attached a notice of extension for the request. Should the documents found in the request alter the conclusions drawn in this assessment, EEl will issue the findings under a separate cover.

EEl interviewed Mr. Don Grimes, the real estate agent for the property, as well as Michael Evans, the current owner of the subject property at the time of inspection. Both detailed the remediation of the UST in the warehouse area which is summarized above. Mr. Evans noted that the space was originally an ice production facility in the 1920s, followed by a

metal fabrication/assembly facility under the prior owner. By 2011, the space in the warehouse was used to stage and construct art exhibits and it currently sits vacant.

9 Vapor Encroachment Screening

EEl reviewed the locations and status of all identified sources of volatile compound releases in the immediate vicinity of the subject property to assess the presence or likely presence of vapors in the sub-surface of the subject property caused by the release of vapors from contaminated soil or groundwater either on or near the subject property.

The subject property underwent an Act II remediation following the closure of a UST containing Fuel Oil No. 2. A soil and groundwater investigation found no signs of impact in the soil or groundwater located around the warehouse structure. The report concluded that the impact was localized to the subgrade below the UST which was filled with concrete and buried under an additional two feet of concrete. Based on the analytical results and condition of the floor slab, the UST is unlikely to be a source of vapor encroachment for the surrounding area.

EEl observed the Parlube Oil Co. located immediately east of the subject property on the 1950 Sanborn Fire Insurance map. The Parlube structures were last observed on the site in 1981, the parcel was depicted as vacant by 1992. Based on the Sanborn maps, no fuel storage was located on the parcel and the structures were utilized as offices for the company. Therefore, the historic use of the site as an oil company is not a potential source of vapor encroachment. By 2005, the parcel was redeveloped into an auto repair shop which was located on the parcel at the time of inspection. Based on the lack of database entries, a lack of violations, and no observed signs of spills from the street, the repair shop is not a likely source of vapor encroachment onto the subject property.

According to the ASTM Standard E2600, sources of petroleum related vapors are identified to a distance of 0.1 mile from the subject property and non-petroleum related VOC sites are identified to a radius of 0.33 mile.



SITE NAME	ADDRESS	DATABASES	ELEV	DIST(mi)	SUMMARY	VEC?
GARYS COLLISION SERVICE	200 PINE ST GARAGE B	RCRA NONGEN / NLR, FINDS, ECHO	Higher	0.066	Facility is a handler of hazardous waste with no outstanding violations.	No
CENTRAL SPORTS CAR PARTS	200 PINE ST GARAGE A	RCRA NONGEN / NLR, FINDS, ECHO	Higher	0.066	Facility is a handler of hazardous waste with no outstanding violations.	No
ASSEMCO	PRICE & PINE ST	VCP, ACT 2-DEED	Higher	0.091	Impacted soils on the property underwent a voluntary cleanup program which was completed on November 12, 1998 achieving statewide health standards.	No

Based on the relative distance to the subject property, topographic gradient, none of the other listed sites within the above radii are likely to be the source of vapor encroachment onto the subject property.

10 Additional Services

Lead based paint and asbestos containing material surveys/testing are outside the scope of this Phase I ESA.



11 Signature

This report is intended to provide a professional service to Share Food Program and is intended to present a professional opinion regarding the property located 101 Amosland Road, Ridley Township, Delaware County, Pennsylvania.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set for in 40 CFR Part 312.

Respectfully submitted,
EARTH ENGINEERING, INCORPORATED



Max W. Perlow
GeoEnvironmental Scientist



David Van Keuren
GeoEnvironmental Project Manager

101 Amosland Road

101 Amosland Road

Holmes, PA 19043

Inquiry Number: 06545570.2r

June 21, 2021

The EDR Radius Map™ Report with GeoCheck®



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

101 AMOSLAND ROAD
HOLMES, PA 19043

COORDINATES

Latitude (North): 39.8955540 - 39° 53' 43.99"
Longitude (West): 75.3094140 - 75° 18' 33.89"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 473547.6
UTM Y (Meters): 4416001.0
Elevation: 95 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5947571 LANSDOWNE, PA
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150815
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 101 AMOSLAND ROAD
 HOLMES, PA 19043

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	AMOS REALTY LP	101 C AMOSLAND RD	PA VCP		TP
A2	EVCO INDUSTRIES	126 TALBOT AVE	PA MANIFEST	Lower	118, 0.022, WSW
B3	GARYS COLLISION SERV	200 PINE ST GARAGE B	RCRA NonGen / NLR, FINDS, ECHO	Higher	346, 0.066, West
B4	CENTRAL SPORTS CAR P	200 PINE ST GARAGE A	RCRA NonGen / NLR, FINDS, ECHO	Higher	346, 0.066, West
B5	ASSEMCO	PRICE & PINE ST	PA VCP, PA ACT 2-DEED	Higher	480, 0.091, West
6	C TECH AUTO BODY	AMOSLAND & LOMBARD S	RCRA NonGen / NLR, FINDS, ECHO	Higher	593, 0.112, NW
C7	FAMILY DOLLAR STORE	2121 MACDADE BLVD	RCRA-VSQQ, FINDS, ECHO	Higher	736, 0.139, NNW
C8	FAMILY DOLLAR # 8745	2121 MACDADE BLVD	PA MANIFEST	Higher	736, 0.139, NNW
D9	AMOCO SERVICE STATIO	2209 MACDADE BLVD	RCRA NonGen / NLR, FINDS, ECHO	Higher	834, 0.158, North
D10	AMOCO 856 TANKS	2209 MACDADE BLVD TA	RCRA-SQG, PA LUST, PA ARCHIVE UST	Higher	834, 0.158, North
D11	KINGS AMOCO	2209 MACDADE BLVD	RCRA NonGen / NLR	Higher	834, 0.158, North
E12	EXXON RS 2 2556	MACDADE BLVD & HOLME	PA ARCHIVE UST	Higher	1027, 0.195, NNE
E13	EXXON RS 2 2556	MACDADE BLVD & HOLME	PA LUST	Higher	1027, 0.195, NNE
F14	HOLMES CTR	500 PINE ST	PA ARCHIVE UST	Higher	1082, 0.205, WSW
F15	VISUAL COMMUNICATION	500 PINE AVE HOLMES	RCRA-SQG	Higher	1082, 0.205, WSW
G16	MIKE HRISTOFILAS ATL	2000 MACDADE BLVD	PA ARCHIVE UST	Higher	1110, 0.210, WNW
G17	OTTOS SVC STA	2001 MACDADE BLVD	PA LUST, PA AUL, PA ARCHIVE UST	Higher	1136, 0.215, WNW
18	INTERBORO HIGH SCH	16TH & AMOSLAND RD	PA ARCHIVE UST	Higher	1245, 0.236, ESE
H19	KLEEN ALL CTR	1906 MACDADE BLVD	RCRA-SQG, US AIRS	Higher	1315, 0.249, West
H20	KLEEN ALL CTR CLNR/	1906 MACDADE BLVD	PA AIRS, PA DRYCLEANERS	Higher	1315, 0.249, West
G21	CVS PHARMACY #2867	1937 MACDADE BLVD	RCRA-VSQQ	Higher	1316, 0.249, West
G22	CVS PHARMACY 2867	1937 MACDADE BLVD	PA MANIFEST	Higher	1316, 0.249, West
23	BRYN HILL IND	120 KEDRON AVENUE	PA VCP, PA ACT 2-DEED	Lower	1443, 0.273, WSW
H24	KEYSTONE BANK SITE	1937 E MACDADE BLVD	PA VCP, PA ACT 2-DEED	Higher	1445, 0.274, West
25	RIDLEY TWP MUNI GARA	SECOND AVE & SUTTON	PA LUST	Lower	1801, 0.341, WSW
I26	CAMALLOY WIRE INC	13TH & PENNSYLVANIA	RCRA-TSDF, RCRA NonGen / NLR, NY MANIFEST	Higher	1957, 0.371, South
I27	PROSPECT PARK	13TH AND PENPSYLVANI	SEMS-ARCHIVE	Higher	1957, 0.371, South
I28	? PROSPECT PARK?	13TH & PENNSYLVANIA	PA HIST LF	Higher	1957, 0.371, South
I29	ALLOY METAL WIRE WOR	13TH AND PENNSYLVANI	SEMS-ARCHIVE	Higher	1970, 0.373, South
30	KMART STORE 3597	600 MACDADE BLVD	PA LUST, PA MANIFEST	Lower	2216, 0.420, NE
31	SUNOCO 0004 9056	1610 MACDADE BLVD &	PA LUST, PA VCP, PA ACT 2-DEED	Higher	2492, 0.472, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
AMOS REALTY LP 101 C AMOSLAND RD HOLMES, PA 19043	PA VCP Activity ID: 742335	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

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State- and tribal - equivalent NPL

PA SHWS..... Hazardous Sites Cleanup Act Site List
PA HSCA..... HSCA Remedial Sites Listing

State and tribal landfill and/or solid waste disposal site lists

PA SWF/LF..... Operating Facilities

State and tribal leaking storage tank lists

PA LAST..... Storage Tank Release Sites
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
PA UNREG LTANKS..... Unregulated Tank Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
PA UST..... Listing of Pennsylvania Regulated Underground Storage Tanks
PA AST..... Listing of Pennsylvania Regulated Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

PA ENG CONTROLS..... Engineering Controls Site Listing
PA INST CONTROL..... Institutional Controls Site Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

PA BROWNFIELDS..... Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
US CDL..... National Clandestine Laboratory Register
PA PFAS..... Sites With Known PFAS Contamination

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

PA ARCHIVE AST..... Archived Aboveground Storage Tank Sites

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

PA SPILLS..... State spills

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION..... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

TRIS..... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems

ROD..... Records Of Decision

RMP..... Risk Management Plans

RAATS..... RCRA Administrative Action Tracking System

PRP..... Potentially Responsible Parties

PADS..... PCB Activity Database System

ICIS..... Integrated Compliance Information System

FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

MLTS..... Material Licensing Tracking System

COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER..... PCB Transformer Registration Database

RADINFO..... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US MINES..... Mines Master Index File

ABANDONED MINES..... Abandoned Mines

DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO..... Unexploded Ordnance Sites

FUELS PROGRAM..... EPA Fuels Program Registered Listing

PA ASBESTOS..... ASBESTOS

PA MINES..... MINES

PA NPDES..... NPDES Permit Listing

PA UIC..... Underground Injection Wells

MINES MRDS..... Mineral Resources Data System

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

PA RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
PA RGA LF..... Recovered Government Archive Solid Waste Facilities List
PA RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The 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 potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/27/2021 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PROSPECT PARK	13TH AND PENNSYLVANI	S 1/4 - 1/2 (0.371 mi.)	I27	97

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RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FAMILY DOLLAR STORE EPA ID:: PAR000549964	2121 MACDADE BLVD	NNW 1/8 - 1/4 (0.139 mi.)	C7	28
CVS PHARMACY #2867 EPA ID:: PAR000532846	1937 MACDADE BLVD	W 1/8 - 1/4 (0.249 mi.)	G21	68

State and tribal leaking storage tank lists

PA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Resources' List of Confirmed Releases.

A review of the PA LUST list, as provided by EDR, and dated 03/09/2021 has revealed that there are 6 PA LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMOCO 856 TANKS Facility Id: 591159	2209 MACDADE BLVD TA	N 1/8 - 1/4 (0.158 mi.)	D10	37
EXXON RS 2 2556 Facility Id: 590834	MACDADE BLVD & HOLME	NNE 1/8 - 1/4 (0.195 mi.)	E13	48
OTTOS SVC STA Facility Id: 591103	2001 MACDADE BLVD	WNW 1/8 - 1/4 (0.215 mi.)	G17	55
SUNOCO 0004 9056 Facility Id: 634407	1610 MACDADE BLVD &	WSW 1/4 - 1/2 (0.472 mi.)	31	105
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIDLEY TWP MUNI GARA Facility Id: 591209	SECOND AVE & SUTTON	WSW 1/4 - 1/2 (0.341 mi.)	25	84
KMART STORE 3597 Facility Id: 591874	600 MACDADE BLVD	NE 1/4 - 1/2 (0.420 mi.)	30	99

State and tribal institutional control / engineering control registries

PA AUL: A listing of sites with environmental covenants.

A review of the PA AUL list, as provided by EDR, and dated 01/12/2021 has revealed that there is 1 PA

EXECUTIVE SUMMARY

AUL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
OTTOS SVC STA Facility Id: 591103	2001 MACDADE BLVD	WNW 1/8 - 1/4 (0.215 mi.)	G17	55

State and tribal voluntary cleanup sites

PA VCP: The VCP listings included Completed Sites, Sites in Progress and Act 2 Non-Use Aquifer Determinations Sites. Formerly known as the Act 2, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

A review of the PA VCP list, as provided by EDR, and dated 01/05/2021 has revealed that there are 4 PA VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ASSEMCO Activity ID: 617843	PRICE & PINE ST	W 0 - 1/8 (0.091 mi.)	B5	20
KEYSTONE BANK SITE Activity ID: 617690	1937 E MACDADE BLVD	W 1/4 - 1/2 (0.274 mi.)	H24	83
SUNOCO 0004 9056 Activity ID: 630748	1610 MACDADE BLVD &	WSW 1/4 - 1/2 (0.472 mi.)	31	105

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BRYN HILL IND Activity ID: 633364	120 KEDRON AVENUE	WSW 1/4 - 1/2 (0.273 mi.)	23	83

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

PA HIST LF: The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities.

A review of the PA HIST LF list, as provided by EDR, has revealed that there is 1 PA HIST LF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
? PROSPECT PARK? Database: HIST LF INVENTORY, Date of Government Version: 06/02/1999 Facility Status: INACTIVE Site ID: 1-247	13TH & PENNSYLVANIA	S 1/4 - 1/2 (0.371 mi.)	I28	98

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

PA ARCHIVE UST: The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

A review of the PA ARCHIVE UST list, as provided by EDR, and dated 03/01/2021 has revealed that there are 6 PA ARCHIVE UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMOCO 856 TANKS Status: Removed Facility Id: 23-29703 Site ID: 445638	2209 MACDADE BLVD TA	N 1/8 - 1/4 (0.158 mi.)	D10	37
EXXON RS 2 2556 Status: Closed Without a Permit Facility Id: 23-06880 Site ID: 573028	MACDADE BLVD & HOLME	NNE 1/8 - 1/4 (0.195 mi.)	E12	46
HOLMES CTR Status: Closed Without a Permit Facility Id: 23-44816 Site ID: 573683	500 PINE ST	WSW 1/8 - 1/4 (0.205 mi.)	F14	50
MIKE HRISTOFILAS ATL Status: 2004 Data/Fee Cleanup Facility Id: 23-05641 Site ID: 573017	2000 MACDADE BLVD	WNW 1/8 - 1/4 (0.210 mi.)	G16	54
OTTOS SVC STA Status: Removed Facility Id: 23-25941 Site ID: 573200	2001 MACDADE BLVD	WNW 1/8 - 1/4 (0.215 mi.)	G17	55
INTERBORO HIGH SCH Status: Exempt From State Law Facility Id: 23-15702 Site ID: 573094	16TH & AMOSLAND RD	ESE 1/8 - 1/4 (0.236 mi.)	18	60

Local Land Records

PA ACT 2-DEED: This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

A review of the PA ACT 2-DEED list, as provided by EDR, and dated 04/23/2010 has revealed that there

EXECUTIVE SUMMARY

are 4 PA ACT 2-DEED sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ASSEMCO	PRICE & PINE ST	W 0 - 1/8 (0.091 mi.)	B5	20
KEYSTONE BANK SITE	1937 E MACDADE BLVD	W 1/4 - 1/2 (0.274 mi.)	H24	83
SUNOCO 0004 9056	1610 MACDADE BLVD &	WSW 1/4 - 1/2 (0.472 mi.)	31	105
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BRYN HILL IND	120 KEDRON AVENUE	WSW 1/4 - 1/2 (0.273 mi.)	23	83

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 5 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GARYS COLLISION SERV EPA ID:: PAD099088874	200 PINE ST GARAGE B	W 0 - 1/8 (0.066 mi.)	B3	10
CENTRAL SPORTS CAR P EPA ID:: PAR000022103	200 PINE ST GARAGE A	W 0 - 1/8 (0.066 mi.)	B4	16
C TECH AUTO BODY EPA ID:: PAR000032177	AMOSLAND & LOMBARD S	NW 0 - 1/8 (0.112 mi.)	6	21
AMOCO SERVICE STATIO EPA ID:: PAD987282985	2209 MACDADE BLVD	N 1/8 - 1/4 (0.158 mi.)	D9	32
KINGS AMOCO EPA ID:: PAD987367117	2209 MACDADE BLVD	N 1/8 - 1/4 (0.158 mi.)	D11	42

PA DRYCLEANERS: A listing of drycleaning facilities.

A review of the PA DRYCLEANERS list, as provided by EDR, and dated 03/16/2021 has revealed that there is 1 PA DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KLEEN ALL CTR CLNR/ PF ID: 639072	1906 MACDADE BLVD	W 1/8 - 1/4 (0.249 mi.)	H20	67

EXECUTIVE SUMMARY

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 3 PA MANIFEST sites within approximately 0.25 miles of the target property.

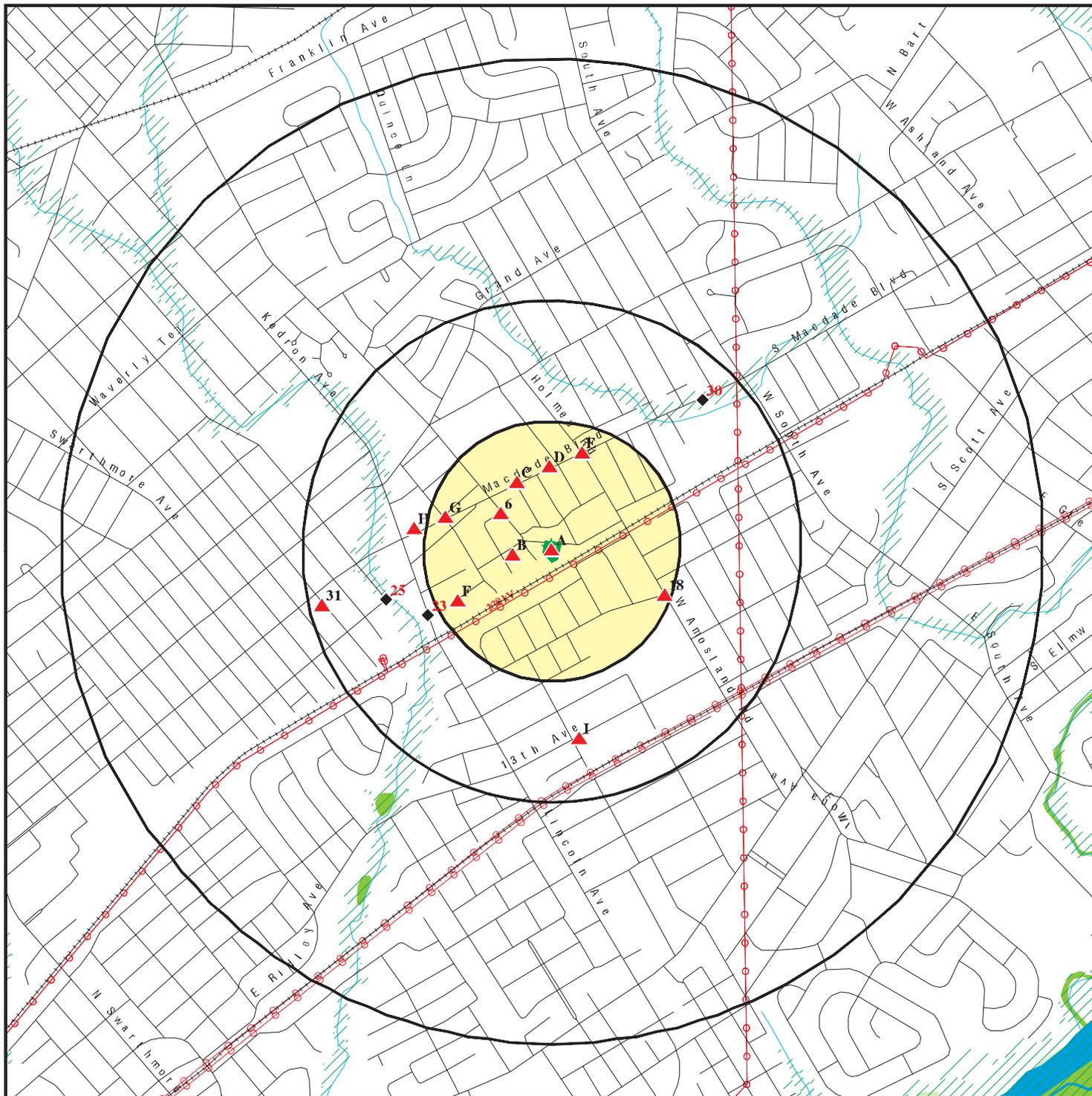
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FAMILY DOLLAR # 8745 Generator EPA Id: PAR000549964	2121 MACDADE BLVD	NNW 1/8 - 1/4 (0.139 mi.)	C8	31
CVS PHARMACY 2867 Generator EPA Id: PAR000532846	1937 MACDADE BLVD	W 1/8 - 1/4 (0.249 mi.)	G22	78
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EVCO INDUSTRIES Generator EPA Id: MIK218672764	126 TALBOT AVE	WSW 0 - 1/8 (0.022 mi.)	A2	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

<u>Site Name</u>	<u>Database(s)</u>
NORWOOD LANDFILL	SEMS
DARBY TOWNSHIP TRANSFORMER	SEMS-ARCHIVE

OVERVIEW MAP - 06545570.2R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

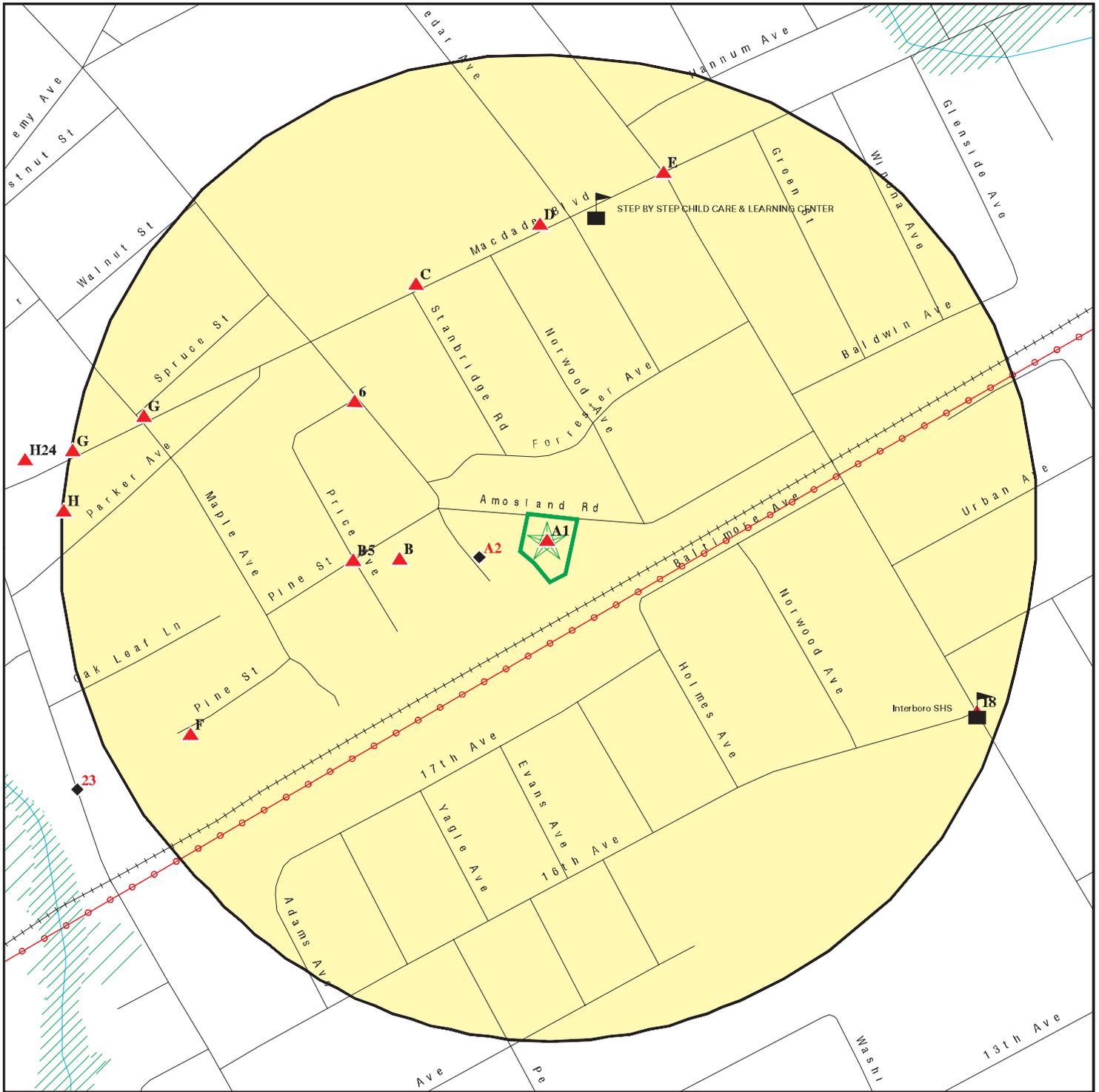


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 101 Amosland Road
 ADDRESS: 101 Amosland Road
 Holmes PA 19043
 LAT/LONG: 39.895554 / 75.309414

CLIENT: Earth Engineering Inc.
 CONTACT: Max W. Perlow
 INQUIRY #: 06545570.2r
 DATE: June 21, 2021 7:27 pm

DETAIL MAP - 06545570.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 101 Amosland Road
 ADDRESS: 101 Amosland Road
 Holmes PA 19043
 LAT/LONG: 39.895554 / 75.309414

CLIENT: Earth Engineering Inc.
 CONTACT: Max W. Perlow
 INQUIRY #: 06545570.2r
 DATE: June 21, 2021 7:30 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	2	NR	NR	2
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	3	NR	NR	NR	3
RCRA-VSQG	0.250		0	2	NR	NR	NR	2
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
PA SHWS	1.000		0	0	0	0	NR	0
PA HSCA	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
PA SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
PA LAST	0.500		0	0	0	NR	NR	0
PA LUST	0.500		0	3	3	NR	NR	6
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PA UNREG LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
PA UST	0.250		0	0	NR	NR	NR	0
PA AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
PA ENG CONTROLS	0.500		0	0	0	NR	NR	0
PA AUL	0.500		0	1	0	NR	NR	1
PA INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
PA VCP	0.500	1	1	0	3	NR	NR	5
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
PA BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
PA HIST LF	0.500		0	0	1	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PA PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
PA ARCHIVE UST	0.250		0	6	NR	NR	NR	6
PA ARCHIVE AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
PA ACT 2-DEED	0.500		1	0	3	NR	NR	4
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PA SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		3	2	NR	NR	NR	5
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PA AIRS	TP		NR	NR	NR	NR	NR	0
PA ASBESTOS	TP		NR	NR	NR	NR	NR	0
PA DRYCLEANERS	0.250		0	1	NR	NR	NR	1
PA MANIFEST	0.250		1	2	NR	NR	NR	3
NY MANIFEST	0.250		0	0	NR	NR	NR	0
PA MINES	0.250		0	0	NR	NR	NR	0
PA NPDES	TP		NR	NR	NR	NR	NR	0
PA UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
PA RGA HWS	TP		NR	NR	NR	NR	NR	0
PA RGA LF	TP		NR	NR	NR	NR	NR	0
PA RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		1	6	20	13	0	0	40

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EVCO INDUSTRIES (Continued)

S113738983

Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	610-586-9842
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	110
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	OHD066060609
Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	009271430JJK
Manifest Type:	TSD Copy
Generator EPA Id:	MIK218672764
Generator Date:	01/25/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	610-586-9842
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	CHEMTRON CORP
TSD Facility Address:	35850 SCHNEIDER COURT
TSD Facility City:	AVON
TSD Facility State:	OH
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	NONE
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	165
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	OHD066060609
Date TSP Sig:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B3	GARYS COLLISION SERVICE	RCRA NonGen / NLR	1000442091
West	200 PINE ST GARAGE B	FINDS	PAD099088874
< 1/8	HOLMES, PA 19043	ECHO	
0.066 mi.			
346 ft.	Site 1 of 3 in cluster B		

Relative:
Higher

RCRA NonGen / NLR:

Actual:
95 ft.

Date Form Received by Agency:	2017-12-18 00:00:00.0	
Handler Name:	GARYS COLLISION SERVICE	
Handler Address:	200 PINE ST GARAGE B	
Handler City,State,Zip:	HOLMES, PA 19043	
EPA ID:	PAD099088874	
Contact Name:	Not reported	
Contact Address:	Not reported	
Contact City,State,Zip:	Not reported	
Contact Telephone:	Not reported	
Contact Fax:	Not reported	
Contact Email:	Not reported	
Contact Title:	Not reported	
EPA Region:	03	
Land Type:	Other	
Federal Waste Generator Description:	Not a generator, verified	
Non-Notifier:	Not reported	
Biennial Report Cycle:	Not reported	
Accessibility:	Not reported	
Active Site Indicator:	Not reported	
State District Owner:	PA	
State District:	1	
Mailing Address:	Not reported	
Mailing City,State,Zip:	Not reported	
Owner Name:	Not reported	
Owner Type:	Not reported	
Operator Name:	Not reported	
Operator Type:	Not reported	
Short-Term Generator Activity:	No	
Importer Activity:	No	
Mixed Waste Generator:	No	
Transporter Activity:	No	
Transfer Facility Activity:	No	
Recycler Activity with Storage:	No	
Small Quantity On-Site Burner Exemption:	No	
Smelting Melting and Refining Furnace Exemption:	No	
Underground Injection Control:	No	
Off-Site Waste Receipt:	No	
Universal Waste Indicator:	No	
Universal Waste Destination Facility:	No	
Federal Universal Waste:	No	
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
Active Site Converter Treatment storage and Disposal Facility:	Not reported	
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
Active Site State-Reg Handler:	---	
Federal Facility Indicator:	Not reported	
Hazardous Secondary Material Indicator:	NN	
Sub-Part K Indicator:	Not reported	
Commercial TSD Indicator:	No	
Treatment Storage and Disposal Type:	Not reported	
2018 GPRA Permit Baseline:	Not on the Baseline	
2018 GPRA Renewals Baseline:	Not on the Baseline	
Permit Renewals Workload Universe:	Not reported	

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GARYS COLLISION SERVICE (Continued)

1000442091

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-01-19 13:59:40.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D000
 Waste Description: Not Defined

Waste Code: D001
 Waste Description: IGNITABLE WASTE

Waste Code: F003
 Waste Description: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

Waste Code: F005
 Waste Description: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARYS COLLISION SERVICE (Continued)

1000442091

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SHIWN, GARY S
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SHIWN, GARY S
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2004-01-29 00:00:00.0
Handler Name:	GARYS COLLISION SERVICE
Federal Waste Generator Description:	Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARYS COLLISION SERVICE (Continued)

1000442091

State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2017-12-18 00:00:00.0
Handler Name: GARYS COLLISION SERVICE
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1987-03-18 00:00:00.0
Handler Name: GARYS COLLISION SERVICE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARYS COLLISION SERVICE (Continued)

1000442091

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARYS COLLISION SERVICE (Continued)

1000442091

Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 1995-09-25 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: KCB
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2003-08-20 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: KCB
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:

Registry ID: 110001050754

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000442091
Registry ID: 110001050754
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001050754>
Name: GARYS COLLISION SERVICE
Address: 200 PINE ST GARAGE B

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

GARYS COLLISION SERVICE (Continued)

1000442091

City,State,Zip: HOLMES, PA 19043

B4
West
< 1/8
0.066 mi.
346 ft.

CENTRAL SPORTS CAR PARTS
200 PINE ST GARAGE A
HOLMES, PA 19043

RCRA NonGen / NLR
FINDS
ECHO

1004777062
PAR000022103

Site 2 of 3 in cluster B

Relative:
Higher
Actual:
95 ft.

RCRA NonGen / NLR:	
Date Form Received by Agency:	2018-06-20 00:00:00.0
Handler Name:	CENTRAL SPORTS CAR PARTS
Handler Address:	200 PINE ST GARAGE A
Handler City,State,Zip:	HOLMES, PA 19043
EPA ID:	PAR000022103
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	03
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	PA
State District:	1
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL SPORTS CAR PARTS (Continued)

1004777062

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-07-02 13:10:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D001
 Waste Description: IGNITABLE WASTE

Waste Code: F003
 Waste Description: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

Waste Code: F005
 Waste Description: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SPORTS CAR PARTS (Continued)

1004777062

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SNOW JOHN & TERESA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	200 PINE ST
Owner/Operator City,State,Zip:	HOLMES, PA 19043
Owner/Operator Telephone:	610-534-3417
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2013-08-12 00:00:00.0
Handler Name:	CENTRAL SPORTS CAR PARTS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2018-06-20 00:00:00.0
Handler Name:	CENTRAL SPORTS CAR PARTS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1996-07-25 00:00:00.0
Handler Name:	CENTRAL SPORTS CAR PARTS
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL SPORTS CAR PARTS (Continued)

1004777062

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 2013-08-08 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: GMN
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL SPORTS CAR PARTS (Continued)

1004777062

FINDS:

Registry ID: 110001088242

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004777062
 Registry ID: 110001088242
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110001088242>
 Name: CENTRAL SPORTS CAR PARTS
 Address: 200 PINE ST GARAGE A
 City,State,Zip: HOLMES, PA 19043

**B5
 West
 < 1/8
 0.091 mi.
 480 ft.**

**ASSEMCO
 PRICE & PINE ST
 RIDLEY, PA 19078**

**PA VCP S106983230
 PA ACT 2-DEED N/A**

Site 3 of 3 in cluster B

**Relative:
 Higher
 Actual:
 96 ft.**

VCP:
 Name: ASSEMCO
 Address: PRICE & PINE ST
 City,State,Zip: RIDLEY, PA 19078

Activity:
 Activity ID: 617843,

Cleanup Records:
 Municipality: Ridley Park Boro
 Region: Southeast Region
 Category Desc: Not reported
 Type: Complete Sites
 LRP Activity Number: 1898
 Remediation: Statewide Health Standard
 Activity: NO
 Date Approved: 11/12/1998
 Date Received: Not reported
 Date Nonuse: Not reported
 ICS Code: Not reported
 Media: Soil
 Latitude: 39.895
 Longitude: -75.311666

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ASSEMCO (Continued)

S106983230

ACT 2-DEED:
 Region: 4100
 Municipality: Ridley Park
 Site Size: Not reported
 Cleanup Standard: Statewide Health
 Cleanup Indicator: Not reported
 Response Date: 11/12/1998
 Category Description: Not reported
 Land Designation Code: Not reported

**6
 NW
 < 1/8
 0.112 mi.
 593 ft.**

**C TECH AUTO BODY
 AMOSLAND & LOMBARD ST
 HOLMES, PA 19043**

**RCRA NonGen / NLR
 FINDS
 ECHO**

**1004777623
 PAR000032177**

**Relative:
 Higher
 Actual:
 101 ft.**

RCRA NonGen / NLR:
 Date Form Received by Agency: 2018-06-20 00:00:00.0
 Handler Name: C TECH AUTO BODY
 Handler Address: AMOSLAND & LOMBARD ST
 Handler City,State,Zip: HOLMES, PA 19043
 EPA ID: PAR000032177
 Contact Name: Not reported
 Contact Address: Not reported
 Contact City,State,Zip: Not reported
 Contact Telephone: Not reported
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 03
 Land Type: Other
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: PA
 State District: 1
 Mailing Address: Not reported
 Mailing City,State,Zip: Not reported
 Owner Name: Not reported
 Owner Type: Not reported
 Operator Name: Not reported
 Operator Type: Not reported
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C TECH AUTO BODY (Continued)

1004777623

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-07-02 13:11:10.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C TECH AUTO BODY (Continued)

1004777623

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLOROETHYLENE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CAPORELLA JOSEPH A
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	911 POPLAR AVE
Owner/Operator City,State,Zip:	GLENOLDEN, PA 19036
Owner/Operator Telephone:	610-237-8641
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2013-08-12 00:00:00.0
Handler Name:	C TECH AUTO BODY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C TECH AUTO BODY (Continued)

1004777623

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2018-06-20 00:00:00.0
Handler Name: C TECH AUTO BODY
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1997-12-10 00:00:00.0
Handler Name: C TECH AUTO BODY
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 811121
NAICS Description: AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C TECH AUTO BODY (Continued)

1004777623

Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	2000-12-05 00:00:00.0
Actual Return to Compliance Date:	2000-12-05 00:00:00.0
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	2000-12-05 00:00:00.0
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	KCB
Enforcement Responsible Sub-Organization:	WM
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C TECH AUTO BODY (Continued)

1004777623

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	2013-08-08 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	GMN
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	2000-12-05 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	KCB

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C TECH AUTO BODY (Continued)

1004777623

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 2000-12-05 00:00:00.0
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 2003-08-20 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: KCB
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:

Registry ID: 110060032879

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1004777623
Registry ID: 110060032879
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110060032879>
Name: C TECH AUTO BODY
Address: AMOSLAND & LOMBARD ST
City,State,Zip: HOLMES, PA 19043

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C7
NNW
1/8-1/4
0.139 mi.
736 ft.

FAMILY DOLLAR STORE NO 8745
2121 MACDADE BLVD
HOLMES, PA 19043
Site 1 of 2 in cluster C

RCRA-VSQG **1017788818**
FINDS **PAR000549964**
ECHO

Relative:
Higher
Actual:
101 ft.

RCRA-VSQG:
 Date Form Received by Agency: 2015-03-19 00:00:00.0
 Handler Name: FAMILY DOLLAR STORE NO 8745
 Handler Address: 2121 MACDADE BLVD
 Handler City,State,Zip: HOLMES, PA 19043
 EPA ID: PAR000549964
 Contact Name: KELVIN DAVIS
 Contact Address: PO BOX 1017
 Contact City,State,Zip: CHARLOTTE, NC 28201
 Contact Telephone: 704-708-1649
 Contact Fax: Not reported
 Contact Email: KDAVIS@FAMILYDOLLAR.COM
 Contact Title: Not reported
 EPA Region: 03
 Land Type: Private
 Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: PA
 State District: 1
 Mailing Address: PO BOX 1017
 Mailing City,State,Zip: CHARLOTTE, NC 28201
 Owner Name: FAMILY DOLLAR STORES
 Owner Type: Private
 Operator Name: FAMILY DOLLAR STORES
 Operator Type: Private
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: NN
 Sub-Part K Indicator: Not reported
 Commercial TSD Indicator: No
 Treatment Storage and Disposal Type: Not reported
 2018 GPRA Permit Baseline: Not on the Baseline
 2018 GPRA Renewals Baseline: Not on the Baseline
 Permit Renewals Workload Universe: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FAMILY DOLLAR STORE NO 8745 (Continued)

1017788818

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-01 08:48:49.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAMILY DOLLAR STORE NO 8745 (Continued)

1017788818

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: FAMILY DOLLAR STORES
Legal Status: Private
Date Became Current: 2011-09-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: FAMILY DOLLAR STORES
Legal Status: Private
Date Became Current: 2011-09-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1017
Owner/Operator City,State,Zip: CHARLOTTE, NC 28201
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2015-03-19 00:00:00.0
Handler Name: FAMILY DOLLAR STORE NO 8745
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 45299
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FAMILY DOLLAR STORE NO 8745 (Continued)

1017788818

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS:

Registry ID: 110063847075

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA. PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1017788818
 Registry ID: 110063847075
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110063847075>
 Name: FAMILY DOLLAR STORE NO 8745
 Address: 2121 MACDADE BLVD
 City,State,Zip: HOLMES, PA 19043

**C8
 NNW
 1/8-1/4
 0.139 mi.
 736 ft.**

**FAMILY DOLLAR # 8745
 2121 MACDADE BLVD
 HOLMES, PA 19043
 Site 2 of 2 in cluster C**

**PA MANIFEST S118889855
 N/A**

**Relative:
 Higher
 Actual:
 101 ft.**

Manifest Details:

Year: 2015
 Manifest Number: 001081171PSC
 Manifest Type: TSD Copy
 Generator EPA Id: PAR000549964
 Generator Date: 08/05/2015
 Mailing Address: Not reported
 Mailing City,St,Zip: Not reported
 Contact Name: Not reported
 Contact Phone: Not reported
 TSD EPA Id: Not reported
 TSD Date: Not reported
 TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
 TSD Facility Address: 2869 Sandstone Dr
 TSD Facility City: Hatfield
 TSD Facility State: PA
 Facility Telephone: Not reported
 Page Number: 1
 Line Number: 1
 Waste Number: D001

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FAMILY DOLLAR # 8745 (Continued)

S118889855

Container Number: 1
 Container Type: Fiberboard or plastic drums, barrels, kegs
 Waste Quantity: 19
 Unit: Pounds
 Handling Code: Not reported
 TSP EPA Id: PAD085690592
 Date TSP Sig: Not reported

 Year: 2015
 Manifest Number: 001081171PSC
 Manifest Type: TSD Copy
 Generator EPA Id: PAR000549964
 Generator Date: 08/05/2015
 Mailing Address: Not reported
 Mailing City,St,Zip: Not reported
 Contact Name: Not reported
 Contact Phone: Not reported
 TSD EPA Id: Not reported
 TSD Date: Not reported
 TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
 TSD Facility Address: 2869 Sandstone Dr
 TSD Facility City: Hatfield
 TSD Facility State: PA
 Facility Telephone: Not reported
 Page Number: 1
 Line Number: 2
 Waste Number: D009
 Container Number: 1
 Container Type: Fiber or plastic boxes, cartons, cases
 Waste Quantity: 7
 Unit: Pounds
 Handling Code: Not reported
 TSP EPA Id: PAD085690592
 Date TSP Sig: Not reported

D9
North
1/8-1/4
0.158 mi.
834 ft.

AMOCO SERVICE STATION
2209 MACDADE BLVD
HOLMES, PA 19043

RCRA NonGen / NLR
FINDS
ECHO

1000447654
PAD987282985

Site 1 of 3 in cluster D

Relative:
Higher
Actual:
99 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 2016-12-20 00:00:00.0
 Handler Name: AMOCO SERVICE STATION
 Handler Address: 2209 MACDADE BLVD
 Handler City,State,Zip: HOLMES, PA 19043
 EPA ID: PAD987282985
 Contact Name: Not reported
 Contact Address: Not reported
 Contact City,State,Zip: Not reported
 Contact Telephone: Not reported
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 03
 Land Type: Other
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMOCO SERVICE STATION (Continued)

1000447654

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	PA
State District:	1
Mailing Address:	Not reported
Mailing City, State, Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO SERVICE STATION (Continued)

1000447654

Financial Assurance Required: Not reported
Handler Date of Last Change: 2017-01-18 08:47:46.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: AMOCO OIL COMPANY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OWNERSTREET
Owner/Operator City,State,Zip: OWNERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OPERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OPERSTREET
Owner/Operator City,State,Zip: OPERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2012-08-22 00:00:00.0
Handler Name: AMOCO SERVICE STATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2016-12-20 00:00:00.0
Handler Name: AMOCO SERVICE STATION

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMOCO SERVICE STATION (Continued)

1000447654

Federal Waste Generator Description: Not a generator, verified
 State District Owner: PA
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

Receive Date: 1990-07-17 00:00:00.0
 Handler Name: AMOCO SERVICE STATION
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: PA
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: No
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
 NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:
 Found Violation: No
 Agency Which Determined Violation: Not reported
 Violation Short Description: Not reported
 Date Violation was Determined: Not reported
 Actual Return to Compliance Date: Not reported
 Return to Compliance Qualifier: Not reported
 Violation Responsible Agency: Not reported
 Scheduled Compliance Date: Not reported
 Enforcement Identifier: Not reported
 Date of Enforcement Action: Not reported
 Enforcement Responsible Agency: Not reported
 Enforcement Docket Number: Not reported
 Enforcement Attorney: Not reported
 Corrective Action Component: Not reported
 Appeal Initiated Date: Not reported
 Appeal Resolution Date: Not reported
 Disposition Status Date: Not reported
 Disposition Status: Not reported
 Disposition Status Description: Not reported
 Consent/Final Order Sequence Number: Not reported
 Consent/Final Order Respondent Name: Not reported
 Consent/Final Order Lead Agency: Not reported
 Enforcement Type: Not reported
 Enforcement Responsible Person: Not reported
 Enforcement Responsible Sub-Organization: Not reported
 SEP Sequence Number: Not reported
 SEP Expenditure Amount: Not reported
 SEP Scheduled Completion Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO SERVICE STATION (Continued)

1000447654

SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1993-01-11 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	PAJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:

Registry ID: 110004865192

Click Here:

Environmental Interest/Information System:

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PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000447654
Registry ID:	110004865192
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004865192
Name:	KINGS AMOCO
Address:	2209 MACDADE BLVD
City,State,Zip:	HOLMES, PA 19043

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

D10
North
1/8-1/4
0.158 mi.
834 ft.

AMOCO 856 TANKS
2209 MACDADE BLVD TANKS
HOLMES, PA 19043

RCRA-SQG
PA LUST
PA ARCHIVE UST

1001030395
PAR000009811

Site 2 of 3 in cluster D

Relative:
Higher
Actual:
99 ft.

RCRA-SQG:		1995-09-06 00:00:00.0
Date Form Received by Agency:		
Handler Name:	AMOCO 856 TANKS	
Handler Address:		2209 MACDADE BLVD TANKS
Handler City,State,Zip:		HOLMES, PA 19043
EPA ID:		PAR000009811
Contact Name:		TONI DOUGHERTY
Contact Address:		STE 900 1 W PENNSYLVANIA AVE
Contact City,State,Zip:		TOWSON, MD 21204-5027
Contact Telephone:		410-494-3704
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		03
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		PA
State District:		1
Mailing Address:		STE 900 1 W PENNSYLVANIA AVE
Mailing City,State,Zip:		TOWSON, MD 21204-5027
Owner Name:		AMOCO OIL CO
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMOCO 856 TANKS (Continued)

1001030395

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 16:40:07.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AMOCO OIL CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	STE 900 1 W PENNSYLVANIA AVE
Owner/Operator City,State,Zip:	TOWSON, MD 21204-5027
Owner/Operator Telephone:	410-494-3704
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1995-09-06 00:00:00.0
Handler Name:	AMOCO 856 TANKS
Federal Waste Generator Description:	Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO 856 TANKS (Continued)

1001030395

State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

LUST:

Name: AMOCO 856
Address: 2209 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1222
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 591159
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/16/2004
Confirmed Date: 06/11/2001
Program Other Id: 23-29703
Client: BP PROD NORTH AMER INC
Incident Id: 1575
Incident Desc: AMOCO 856
Suspect Date: Not reported
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.898011
Longitude: -75.309496

Name: AMOCO 856
Address: 2209 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1222
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO 856 TANKS (Continued)

1001030395

Facility Id: 591159
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/16/2004
Confirmed Date: 06/11/2001
Program Other Id: 23-29703
Client: BP PROD NORTH AMER INC
Incident Id: 1575
Incident Desc: AMOCO 856
Suspect Date: Not reported
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Unleaded Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.898011
Longitude: -75.309496

ARCHIVE UST:

Name: AMOCO 856
Address: 2209 MACDADE BLVD
City,State,Zip: HOLMES 19043-1222
Facility Id: 23-29703
Site ID: 445638
Municipality: Ridley Twp
Client Date: 40480
Owner Id: Not reported
Owner Name: BP PROD NORTH AMER INC
Owner Address: 4 CENTERPOINT DR
Owner Address 2: Not reported
Owner City,St,Zip: LA PALMA, CA 90623
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: BP PROD NORTH AMER INC
RP Address: 3343 LAPP LANE
RP Address 2: Not reported
RP City,St,Zip: NAPERVILLE, IL 60564
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 001
Tank Id: 639725
Status: Removed
Status Code End Date: Not reported
Capacity: 10000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: 10/1/1989
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO 856 TANKS (Continued)

1001030395

Substance Type: Not reported
CASRN for Hazardous Substances: 40480
Chemical Name: BP PROD NORTH AMER INC
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: PRES
Company: Not reported

Tank Sequence #: 002
Tank Id: 639726
Status: Removed
Status Code End Date: Not reported
Capacity: 10000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: 10/1/1989
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 40480
Chemical Name: BP PROD NORTH AMER INC
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: PRES
Company: Not reported

Tank Sequence #: 003
Tank Id: 639727
Status: Removed
Status Code End Date: Not reported
Capacity: 10000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: 10/1/1989
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 40480
Chemical Name: BP PROD NORTH AMER INC
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: PRES
Company: Not reported

Tank Sequence #: 004
Tank Id: 639728
Status: Removed
Status Code End Date: Not reported
Capacity: 550
Substance: USDOL
Tank Substance End Date: Not reported
Install Date: 10/1/1989

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AMOCO 856 TANKS (Continued)

1001030395

Tank Code: UST
 Inspection Code: Not reported
 Last Inspection: Not reported
 Substance Type: Not reported
 CASRN for Hazardous Substances: 40480
 Chemical Name: BP PROD NORTH AMER INC
 Other Information Regarding The Tank Substance: Not reported
 Undeliverable Address Ind.: N
 Contact Name: PRES
 Company: Not reported

Tank Sequence #: 005
 Tank Id: 913624
 Status: Removed
 Status Code End Date: Not reported
 Capacity: 550
 Substance: USDOL
 Tank Substance End Date: Not reported
 Install Date: 2/5/2005
 Tank Code: UST
 Inspection Code: Not reported
 Last Inspection: Not reported
 Substance Type: Not reported
 CASRN for Hazardous Substances: 40480
 Chemical Name: BP PROD NORTH AMER INC
 Other Information Regarding The Tank Substance: Not reported
 Undeliverable Address Ind.: N
 Contact Name: PRES
 Company: Not reported

D11
North
1/8-1/4
0.158 mi.
834 ft.

KINGS AMOCO
2209 MACDADE BLVD
HOLMES, PA 19043

RCRA NonGen / NLR

1000572119
PAD987367117

Site 3 of 3 in cluster D

Relative:
Higher
Actual:
99 ft.

RCRA NonGen / NLR:
 Date Form Received by Agency: 2004-01-28 00:00:00.0
 Handler Name: KINGS AMOCO
 Handler Address: 2209 MACDADE BLVD
 Handler City,State,Zip: HOLMES, PA 19043
 EPA ID: PAD987367117
 Contact Name: JAMES KING
 Contact Address: 2209 MACDADE BLVD
 Contact City,State,Zip: HOLMES, PA 19043
 Contact Telephone: 215-461-2800
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 03
 Land Type: Not reported
 Federal Waste Generator Description: Not a generator, verified
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Not reported
 State District Owner: PA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KINGS AMOCO (Continued)

1000572119

State District:	1
Mailing Address:	2209 MACDADE BLVD
Mailing City, State, Zip:	HOLMES, PA 19043
Owner Name:	AMOCO OIL COMPANY
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2004-01-28 16:30:46.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KINGS AMOCO (Continued)

1000572119

Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D000
Waste Description: Not Defined

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: AMOCO OIL COMPANY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 150 SOUTH WARNER RD
Owner/Operator City,State,Zip: KING OF PRUSSIA, PA 19406
Owner/Operator Telephone: 215-254-6100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: AMOCO OIL COMPANY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 150 SOUTH WARNER RD
Owner/Operator City,State,Zip: KING OF PRUSSIA, PA 19406
Owner/Operator Telephone: 215-254-6100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2004-01-28 00:00:00.0
Handler Name: KINGS AMOCO
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KINGS AMOCO (Continued)

1000572119

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	1992-02-25 00:00:00.0
Handler Name:	KINGS AMOCO
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KINGS AMOCO (Continued)

1000572119

Final Monetary Amount: Not reported
 Paid Amount: Not reported
 Final Count: Not reported
 Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 2003-08-20 00:00:00.0
 Evaluation Responsible Agency: State
 Found Violation: No
 Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Evaluation Responsible Person Identifier: KCB
 Evaluation Responsible Sub-Organization: WM
 Actual Return to Compliance Date: Not reported
 Scheduled Compliance Date: Not reported
 Date of Request: Not reported
 Date Response Received: Not reported
 Request Agency: Not reported
 Former Citation: Not reported

E12
NNE
1/8-1/4
0.195 mi.
1027 ft.

EXXON RS 2 2556
MACDADE BLVD & HOLMES RD
HOLMES, PA 19043

PA ARCHIVE UST S119699563
N/A

Site 1 of 2 in cluster E

Relative:
Higher
Actual:
100 ft.

ARCHIVE UST:
 Name: EXXON RS 2 2556
 Address: MACDADE BLVD & HOLMES RD
 City,State,Zip: HOLMES 19043
 Facility Id: 23-06880
 Site ID: 573028
 Municipality: Ridley Twp
 Client Date: 190592
 Owner Id: Not reported
 Owner Name: EXXON MOBIL CORP VEEDER ROOT
 Owner Address: 3225 GALLOWS RD
 Owner Address 2: Not reported
 Owner City,St,Zip: FAIRFAX, VA 22037-0001
 Owner Phone: Not reported
 Owner County Code: Not reported
 Resp Party Name: EXXONMOBIL OIL CORP
 RP Address: PO BOX 142667
 RP Address 2: Not reported
 RP City,St,Zip: AUSTIN, TX 78714-2667
 Region Code Name: Not reported
 Regulated Expire Date: Not reported

Tank Sequence #: 001
 Tank Id: 637860
 Status: Closed Without a Permit
 Status Code End Date: Not reported
 Capacity: 4000
 Substance: GAS
 Tank Substance End Date: Not reported
 Install Date: 12/1/1981
 Tank Code: UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON RS 2 2556 (Continued)

S119699563

Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 190592
Chemical Name: EXXONMOBIL OIL CORP
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: ERIC M MCPHEE
Company: Not reported

Tank Sequence #: 002
Tank Id: 637861
Status: Closed Without a Permit
Status Code End Date: Not reported
Capacity: 4000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: 12/1/1981
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 190592
Chemical Name: EXXONMOBIL OIL CORP
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: ERIC M MCPHEE
Company: Not reported

Tank Sequence #: 003
Tank Id: 637862
Status: Closed Without a Permit
Status Code End Date: Not reported
Capacity: 4000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: 12/1/1981
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 190592
Chemical Name: EXXONMOBIL OIL CORP
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: ERIC M MCPHEE
Company: Not reported

Tank Sequence #: 004
Tank Id: 637863
Status: Closed Without a Permit
Status Code End Date: Not reported
Capacity: 4000
Substance: GAS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON RS 2 2556 (Continued)

S119699563

Tank Substance End Date: Not reported
Install Date: 12/1/1981
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 190592
Chemical Name: EXXONMOBIL OIL CORP
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: ERIC M MCPHEE
Company: Not reported

Tank Sequence #: 005
Tank Id: 637864
Status: Closed Without a Permit
Status Code End Date: Not reported
Capacity: 550
Substance: USDOL
Tank Substance End Date: Not reported
Install Date: 12/1/1981
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 190592
Chemical Name: EXXONMOBIL OIL CORP
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: ERIC M MCPHEE
Company: Not reported

E13
NNE
1/8-1/4
0.195 mi.
1027 ft.

EXXON RS 2 2556
MACDADE BLVD & HOLMES RD
HOLMES, PA 19043
Site 2 of 2 in cluster E

PA LUST **S105800232**
N/A

Relative:
Higher
Actual:
100 ft.

LUST:
Name: EXXON RS 2 2556
Address: MACDADE BLVD & HOLMES RD
City,State,Zip: HOLMES, PA 19043
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 590834
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 05/25/2011
Confirmed Date: 06/10/1989
Program Other Id: 23-06880
Client: EXXONMOBIL OIL CORP
Incident Id: 1451
Incident Desc: 23-06880 EXXON 2 2556
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: UNDTD
Source Cause Of Release: INFNP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EXXON RS 2 2556 (Continued)

S105800232

Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.898333
Longitude: -75.308056

Name: EXXON RS 2 2556
Address: MACDADE BLVD & HOLMES RD
City,State,Zip: HOLMES, PA 19043
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 590834
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 05/25/2011
Confirmed Date: 06/10/1989
Program Other Id: 23-06880
Client: EXXONMOBIL OIL CORP
Incident Id: 1451
Incident Desc: 23-06880 EXXON 2 2556
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: UNDTD
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.898333
Longitude: -75.308056

Name: EXXON RS 2 2556
Address: MACDADE BLVD & HOLMES RD
City,State,Zip: HOLMES, PA 19043
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 590834
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 05/25/2011
Confirmed Date: 06/10/1989
Program Other Id: 23-06880
Client: EXXONMOBIL OIL CORP
Incident Id: 1451
Incident Desc: 23-06880 EXXON 2 2556
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: UNDTD

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EXXON RS 2 2556 (Continued)

S105800232

Source Cause Of Release: INFNP
 Tank: Not reported
 Impact Desc: Soil
 Substance: Unleaded Gasoline
 CAS RN: Not reported
 Chemical: Not reported
 Comments: Not reported
 Horizontal Ref Datum: WGS84
 Altitude Datum: Not reported
 Latitude: 39.898333
 Longitude: -75.308056

F14
WSW
1/8-1/4
0.205 mi.
1082 ft.

HOLMES CTR
500 PINE ST
HOLMES, PA 19043

PA ARCHIVE UST **S119699772**
N/A

Site 1 of 2 in cluster F

Relative:
Higher
Actual:
101 ft.

ARCHIVE UST:

Name: HOLMES CTR
 Address: 500 PINE ST
 City,State,Zip: HOLMES 19043
 Facility Id: 23-44816
 Site ID: 573683
 Municipality: Ridley Twp
 Client Date: 171159
 Owner Id: Not reported
 Owner Name: EUGENE KRUEGER & SAMUEL MENDICINO
 Owner Address: 500 PINE ST
 Owner Address 2: Not reported
 Owner City,St,Zip: HOLMES, PA 19043
 Owner Phone: Not reported
 Owner County Code: Not reported
 Resp Party Name: EUGENE KRUEGER & SAMUEL MENDICINO
 RP Address: 500 PINE ST
 RP Address 2: Not reported
 RP City,St,Zip: HOLMES, PA 19043
 Region Code Name: Not reported
 Regulated Expire Date: Not reported

Tank Sequence #: 001
 Tank Id: 641976
 Status: Closed Without a Permit
 Status Code End Date: Not reported
 Capacity: 10000
 Substance: DIESEL
 Tank Substance End Date: Not reported
 Install Date: Not reported
 Tank Code: UST
 Inspection Code: Not reported
 Last Inspection: Not reported
 Substance Type: Not reported
 CASRN for Hazardous Substances: 171159
 Chemical Name: EUGENE KRUEGER & SAMUEL MENDICINO
 Other Information Regarding The Tank Substance: Not reported
 Undeliverable Address Ind.: N
 Contact Name: UNKNOWN
 Company: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

F15 WSW 1/8-1/4 0.205 mi. 1082 ft.	VISUAL COMMUNICATIONS INC 500 PINE AVE HOLMES CORP CTR HOLMES, PA 19043	RCRA-SQG	1000423989 PAD014122741
1082 ft. Site 2 of 2 in cluster F			
Relative: Higher Actual: 101 ft.	RCRA-SQG:		
	Date Form Received by Agency:		1989-08-08 00:00:00.0
	Handler Name:	VISUAL COMMUNICATIONS INC	
	Handler Address:	500 PINE AVE HOLMES CORP CTR	
	Handler City,State,Zip:	HOLMES, PA 19043	
	EPA ID:	PAD014122741	
	Contact Name:	SALVATORE TRIGONE	
	Contact Address:	500 PINE AVE HOLMES CORP CTR	
	Contact City,State,Zip:	HOLMES, PA 19043	
	Contact Telephone:	215-461-1200	
	Contact Fax:	Not reported	
	Contact Email:	Not reported	
	Contact Title:	Not reported	
	EPA Region:	03	
	Land Type:	Not reported	
	Federal Waste Generator Description:	Small Quantity Generator	
	Non-Notifier:	Not reported	
	Biennial Report Cycle:	Not reported	
	Accessibility:	Not reported	
	Active Site Indicator:	Handler Activities	
	State District Owner:	PA	
	State District:	1	
	Mailing Address:	500 PINE AVE HOLMES CORP CTR	
	Mailing City,State,Zip:	HOLMES, PA 19043	
	Owner Name:	VISUAL COMMUNICATION INC	
	Owner Type:	Private	
	Operator Name:	OPERNAME	
	Operator Type:	Private	
	Short-Term Generator Activity:	No	
	Importer Activity:	No	
	Mixed Waste Generator:	No	
	Transporter Activity:	No	
	Transfer Facility Activity:	No	
	Recycler Activity with Storage:	No	
	Small Quantity On-Site Burner Exemption:	No	
	Smelting Melting and Refining Furnace Exemption:	No	
	Underground Injection Control:	No	
	Off-Site Waste Receipt:	No	
	Universal Waste Indicator:	No	
	Universal Waste Destination Facility:	No	
	Federal Universal Waste:	No	
	Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site Converter Treatment storage and Disposal Facility:	Not reported	
	Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported	
	Active Site State-Reg Handler:	---	
	Federal Facility Indicator:	Not reported	
	Hazardous Secondary Material Indicator:	NN	
	Sub-Part K Indicator:	Not reported	
	Commercial TSD Indicator:	No	
	Treatment Storage and Disposal Type:	Not reported	
	2018 GPRA Permit Baseline:	Not on the Baseline	
	2018 GPRA Renewals Baseline:	Not on the Baseline	
	Permit Renewals Workload Universe:	Not reported	

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VISUAL COMMUNICATIONS INC (Continued)

1000423989

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 16:38:58.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING 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 F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VISUAL COMMUNICATIONS INC (Continued)

1000423989

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.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	VISUAL COMMUNICATION INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OWNERSTREET
Owner/Operator City,State,Zip:	OWNERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1989-08-08 00:00:00.0
Handler Name:	VISUAL COMMUNICATIONS INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found
--------------	----------------------

Facility Has Received Notices of Violations:

Violations:	No Violations Found
-------------	---------------------

Evaluation Action Summary:

Evaluations:	No Evaluations Found
--------------	----------------------

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

G16 **MIKE HRISTOFILAS ATLANTIC STA**
WNW **2000 MACDADE BLVD**
1/8-1/4 **HOLMES, PA 19043**
0.210 mi.
1110 ft. **Site 1 of 4 in cluster G**

PA ARCHIVE UST **S111113558**
N/A

Relative:
Higher
Actual:
100 ft.

ARCHIVE UST:
 Name: MIKE HRISTOFILAS ATLANTIC STA
 Address: 2000 MACDADE BLVD
 City,State,Zip: HOLMES 19043-1407
 Facility Id: 23-05641
 Site ID: 573017
 Municipality: Upper Darby Twp
 Client Date: 164793
 Owner Id: Not reported
 Owner Name: MIKE HRISTOFILAS
 Owner Address: 2000 MACDADE BLVD
 Owner Address 2: Not reported
 Owner City,St,Zip: HOLMES, PA 19043
 Owner Phone: Not reported
 Owner County Code: Not reported
 Resp Party Name: MIKE HRISTOFILAS
 RP Address: 2000 MACDADE BLVD
 RP Address 2: Not reported
 RP City,St,Zip: HOLMES, PA 19043-1407
 Region Code Name: Not reported
 Regulated Expire Date: Not reported

Tank Sequence #: 001
 Tank Id: 637681
 Status: 2004 Data/Fee Cleanup
 Status Code End Date: Not reported
 Capacity: 4000
 Substance: GAS
 Tank Substance End Date: Not reported
 Install Date: Not reported
 Tank Code: UST
 Inspection Code: Not reported
 Last Inspection: Not reported
 Substance Type: Not reported
 CASRN for Hazardous Substances: 164793
 Chemical Name: MIKE HRISTOFILAS
 Other Information Regarding The Tank Substance: Not reported
 Undeliverable Address Ind.: N
 Contact Name: UNKNOWN
 Company: Not reported

Tank Sequence #: 002
 Tank Id: 637682
 Status: 2004 Data/Fee Cleanup
 Status Code End Date: Not reported
 Capacity: 4000
 Substance: GAS
 Tank Substance End Date: Not reported
 Install Date: Not reported
 Tank Code: UST
 Inspection Code: Not reported
 Last Inspection: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MIKE HRISTOFILAS ATLANTIC STA (Continued)

S111113558

Substance Type: Not reported
CASRN for Hazardous Substances: 164793
Chemical Name: MIKE HRISTOFILAS
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: UNKNOWN
Company: Not reported

Tank Sequence #: 003
Tank Id: 637683
Status: 2004 Data/Fee Cleanup
Status Code End Date: Not reported
Capacity: 8000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 164793
Chemical Name: MIKE HRISTOFILAS
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: UNKNOWN
Company: Not reported

G17
WNW
1/8-1/4
0.215 mi.
1136 ft.

OTTOS SVC STA
2001 MACDADE BLVD
HOLMES, PA 19043
Site 2 of 4 in cluster G

PA LUST **U004137071**
PA AUL **N/A**
PA ARCHIVE UST

Relative:
Higher
Actual:
101 ft.

LUST:
Name: OTTOS SVC STA
Address: 2001 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1209
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 591103
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 04/17/2017
Confirmed Date: 08/11/2010
Program Other Id: 23-25941
Client: OTTO ALDORASI
Incident Id: 41585
Incident Desc: NOC
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Used Motor Oil
CAS RN: Not reported
Chemical: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTTOS SVC STA (Continued)

U004137071

Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.896667
Longitude: -75.312778

Name: OTTOS SVC STA
Address: 2001 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1209
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 591103
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 04/17/2017
Confirmed Date: 08/11/2010
Program Other Id: 23-25941
Client: OTTO ALDORASI
Incident Id: 41585
Incident Desc: NOC
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Leaded Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.896667
Longitude: -75.312778

Name: OTTOS SVC STA
Address: 2001 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1209
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 591103
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 04/17/2017
Confirmed Date: 08/11/2010
Program Other Id: 23-25941
Client: OTTO ALDORASI
Incident Id: 41585
Incident Desc: NOC
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Unleaded Gasoline
CAS RN: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTTOS SVC STA (Continued)

U004137071

Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.896667
Longitude: -75.312778

AUL:

Name: OTTOS SVC STA
Address: 2001 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1209
Facility Id: 591103
Primary Facility Type: Storage Tank Locator
Latitude: Not reported
Longitude: Not reported
Region: Southeast Region
Client Id: Not reported
Client Name: Not reported
Incident Id / Name Description: 41585 NOC
Remediation Id: N/A
Remediation Received Date: N/A
Address: 2001 MACDADE BLVD HOLMES, PA 19043-1209
AUL Code: ENVIRONMENTAL COVENANT
Received Date: 07/03/2017
Action Date: 07/21/2017
Action: DEP SIGNED
Recorded Date: 08/08/2017
Terminated Date: Not reported
Amended Date: Not reported
Activity Use Limitation Code: Not reported
Activity Use Limitation Desc: Not reported
Aul Comment: Not reported
Internal Use EDR Field: Not reported

Name: OTTOS SVC STA
Address: 2001 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1209
Facility Id: 591103
Primary Facility Type: Storage Tank Locator
Latitude: Not reported
Longitude: Not reported
Region: Southeast Region
Client Id: Not reported
Client Name: Not reported
Incident Id / Name Description: 41585 NOC
Remediation Id: N/A
Remediation Received Date: N/A
Address: 2001 MACDADE BLVD HOLMES, PA 19043-1209
AUL Code: ENVIRONMENTAL COVENANT
Received Date: 07/03/2017
Action Date: 07/21/2017
Action: DEP SIGNED
Recorded Date: 08/08/2017
Terminated Date: Not reported
Amended Date: Not reported
Activity Use Limitation Code: Not reported
Activity Use Limitation Desc: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTTOS SVC STA (Continued)

U004137071

Aul Comment: Not reported
Internal Use EDR Field: Not reported

Name: OTTOS SVC STA
Address: 2001 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1209
Facility Id: 591103
Primary Facility Type: Storage Tank Locator
Latitude: Not reported
Longitude: Not reported
Region: Southeast Region
Client Id: Not reported
Client Name: Not reported
Incident Id / Name Description: 41585 NOC
Remediation Id: N/A
Remediation Received Date: N/A
Address: 2001 MACDADE BLVD HOLMES, PA 19043-1209
AUL Code: ENVIRONMENTAL COVENANT
Received Date: 07/03/2017
Action Date: 07/21/2017
Action: DEP SIGNED
Recorded Date: 08/08/2017
Terminated Date: Not reported
Amended Date: Not reported
Activity Use Limitation Code: Not reported
Activity Use Limitation Desc: Not reported
Aul Comment: Not reported
Internal Use EDR Field: Not reported

ARCHIVE UST:

Name: OTTOS SVC STA
Address: 2001 MACDADE BLVD
City,State,Zip: HOLMES 19043-1209
Facility Id: 23-25941
Site ID: 573200
Municipality: Ridley Twp
Client Date: 189402
Owner Id: Not reported
Owner Name: OTTO ALDORASI
Owner Address: MACDADE BLVD & SPRUCE AVE
Owner Address 2: Not reported
Owner City,St,Zip: HOLMES, PA 19043
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: OTTO ALDORASI
RP Address: MACDADE BLVD & SPRUCE AVE
RP Address 2: Not reported
RP City,St,Zip: HOLMES, PA 19043
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 001
Tank Id: 639518
Status: Removed
Status Code End Date: Not reported
Capacity: 3000
Substance: GAS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTTOS SVC STA (Continued)

U004137071

Tank Substance End Date: Not reported
Install Date: 8/1/1971
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 189402
Chemical Name: OTTO ALDORASI
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Y
Contact Name: UNKNOWN
Company: Not reported

Tank Sequence #: 002
Tank Id: 639519
Status: Removed
Status Code End Date: Not reported
Capacity: 3000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: 8/1/1971
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 189402
Chemical Name: OTTO ALDORASI
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Y
Contact Name: UNKNOWN
Company: Not reported

Tank Sequence #: 003
Tank Id: 639520
Status: Removed
Status Code End Date: Not reported
Capacity: 3000
Substance: GAS
Tank Substance End Date: Not reported
Install Date: 8/1/1971
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 189402
Chemical Name: OTTO ALDORASI
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Y
Contact Name: UNKNOWN
Company: Not reported

Tank Sequence #: 004
Tank Id: 639521
Status: Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OTTOS SVC STA (Continued)

U004137071

Status Code End Date: Not reported
Capacity: 550
Substance: USDOL
Tank Substance End Date: Not reported
Install Date: 8/1/1953
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 189402
Chemical Name: OTTO ALDORASI
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: Y
Contact Name: UNKNOWN
Company: Not reported

18
ESE
1/8-1/4
0.236 mi.
1245 ft.

INTERBORO HIGH SCH
16TH & AMOSLAND RD
PROSPECT PARK, PA 19076

PA ARCHIVE UST **S111111748**
N/A

Relative:
Higher
Actual:
102 ft.

ARCHIVE UST:
Name: INTERBORO HIGH SCH
Address: 16TH & AMOSLAND RD
City,State,Zip: PROSPECT PARK 19076
Facility Id: 23-15702
Site ID: 573094
Municipality: Prospect Park Boro
Client Date: 34905
Owner Id: Not reported
Owner Name: INTERBORO SCH DIST
Owner Address: 900 WASHINGTON AVE
Owner Address 2: Not reported
Owner City,St,Zip: PROSPECT PARK, PA 19076-1412
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: INTERBORO SCH DIST
RP Address: 900 WASHINGTON AVE
RP Address 2: Not reported
RP City,St,Zip: PROSPECT PARK, PA 19076-1412
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 001
Tank Id: 638781
Status: Exempt From State Law
Status Code End Date: Not reported
Capacity: 20000
Substance: HO
Tank Substance End Date: Not reported
Install Date: 1/1/1975
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 34905
Chemical Name: INTERBORO SCH DIST

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

INTERBORO HIGH SCH (Continued)

S111111748

Other Information Regarding The Tank Substance: Not reported
 Undeliverable Address Ind.: N
 Contact Name: LOIS SNYDER SUPT
 Company: Not reported

H19
West
1/8-1/4
0.249 mi.
1315 ft.

KLEEN ALL CTR
1906 MACDADE BLVD
FOLSOM, PA 19033

RCRA-SQG 1000799577
US AIRS PAD987393618

Site 1 of 3 in cluster H

Relative:
Higher

Actual:
99 ft.

RCRA-SQG:
 Date Form Received by Agency: 1993-02-11 00:00:00.0
 Handler Name: KLEEN ALL CTR
 Handler Address: 1906 MACDADE BLVD
 Handler City,State,Zip: FOLSOM, PA 19033
 EPA ID: PAD987393618
 Contact Name: MARK MOON
 Contact Address: 1906 MACDADE BLVD
 Contact City,State,Zip: FOLSOM, PA 19033
 Contact Telephone: 215-461-9695
 Contact Fax: Not reported
 Contact Email: Not reported
 Contact Title: Not reported
 EPA Region: 03
 Land Type: Private
 Federal Waste Generator Description: Small Quantity Generator
 Non-Notifier: Not reported
 Biennial Report Cycle: Not reported
 Accessibility: Not reported
 Active Site Indicator: Handler Activities
 State District Owner: PA
 State District: 1
 Mailing Address: 1906 MACDADE BLVD
 Mailing City,State,Zip: FOLSOM, PA 19033
 Owner Name: D'ANGELO JOE
 Owner Type: Private
 Operator Name: Not reported
 Operator Type: Not reported
 Short-Term Generator Activity: No
 Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility Activity: No
 Recycler Activity with Storage: No
 Small Quantity On-Site Burner Exemption: No
 Smelting Melting and Refining Furnace Exemption: No
 Underground Injection Control: No
 Off-Site Waste Receipt: No
 Universal Waste Indicator: No
 Universal Waste Destination Facility: No
 Federal Universal Waste: No
 Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site Converter Treatment storage and Disposal Facility: Not reported
 Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
 Active Site State-Reg Handler: ---
 Federal Facility Indicator: Not reported
 Hazardous Secondary Material Indicator: NN

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KLEEN ALL CTR (Continued)

1000799577

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2000-09-15 16:40:03.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code: D039
 Waste Description: TETRACHLOROETHYLENE

Waste Code: F002
 Waste Description: 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.

Handler - Owner Operator:

Owner/Operator Indicator: Owner
 Owner/Operator Name: D'ANGELO JOE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KLEEN ALL CTR (Continued)

1000799577

Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1906 MCDADE BLVD
Owner/Operator City,State,Zip: FOLSOM, PA 19033
Owner/Operator Telephone: 215-461-9695
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1993-02-11 00:00:00.0
Handler Name: KLEEN ALL CTR
Federal Waste Generator Description: Small Quantity Generator
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 81232
NAICS Description: DRYCLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KLEEN ALL CTR (Continued)

1000799577

SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 1996-03-04 00:00:00.0
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: KCB
Evaluation Responsible Sub-Organization: WM
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

US AIRS MINOR:

Envid: 1000799577
Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
D and B Number: Not reported
Primary SIC Code: 7216
NAICS Code: 812320
Default Air Classification Code: MIN
Facility Type of Ownership Code: NON
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2000-06-13 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KLEEN ALL CTR (Continued)

1000799577

Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2000-06-15 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2004-08-09 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2005-02-16 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2005-03-04 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-03-10 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KLEEN ALL CTR (Continued)

1000799577

Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-06-13 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-06-15 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-09 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-02-16 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 03
Programmatic ID: AIR PA000639072
Facility Registry ID: 110001215603
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-03-04 00:00:00
Activity Status Date: 2016-02-12 00:00:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KLEEN ALL CTR (Continued)

1000799577

Region Code: 03
 Programmatic ID: AIR PA000639072
 Facility Registry ID: 110001215603
 Air Operating Status Code: OPR
 Default Air Classification Code: MIN
 Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
 Activity Date: 2015-03-10 00:00:00
 Activity Status Date: 2016-02-12 00:00:00
 Activity Group: Compliance Monitoring
 Activity Type: Inspection/Evaluation
 Activity Status: Active

**H2O
 West
 1/8-1/4
 0.249 mi.
 1315 ft.**

**KLEEN ALL CTR CLNR/ RIDLEY
 1906 MACDADE BLVD
 FOLSOM, PA 19033**

**PA AIRS S106935442
 PA DRYCLEANERS N/A**

Site 2 of 3 in cluster H

**Relative:
 Higher
 Actual:
 99 ft.**

AIRS:
 Name: KLEEN ALL CTR CLNR/ RIDLEY
 Address: 1906 MACDADE BLVD
 City,State,Zip: FOLSOM, PA 19033-1316
 Address 2: Not reported
 Primary Facility ID: 639072
 Contact Name: Not reported
 Contact Phone: Not reported
 Contact Email: Not reported
 Status: Active
 Region: Southeast Regional Office
 Site ID: 618399
 Client ID: 210840
 Client Name: KLEEN ALL CTR
 NAICS Code: 812320
 Client Address: 1906 MACDADE BLVD
 Client Address 2: Not reported
 Client City: FOLSOM
 Client State: PA
 Client Zip: 19033-1316
 Client Type: NON-GOVERNMENT
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 Permit Number: Not reported
 Municipality: Not reported
 Authorization ID: Not reported
 Authorization Type: Not reported
 Application Type: Not reported
 Received Date: Not reported
 Issued Date: Not reported
 Expiration Date: Not reported
 Latitude: 39.895856
 Longitude: -75.316708

DRYCLEANERS:

Name: KLEEN ALL CTR CLNR/ RIDLEY
 Address: 1906 MACDADE BLVD
 City,State,Zip: FOLSOM, PA 19033-1316
 Regional Office: 1

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KLEEN ALL CTR CLNR/ RIDLEY (Continued)

S106935442

District Office: 12
 County #: 23
 Site Id: 618399
 PF ID: 639072
 EPA Compliance Data System #: 4204595016
 EPA Class: Not reported
 Get Sic: Not reported
 Naics Number: 812320
 AFS Id: Not reported
 PF Other Id: 00-1200094-1
 Municipality Name: Ridley Twp
 Date Last Modified: 07/19/2007
 Latitude Degrees: Not reported
 Latitude Minutes: Not reported
 Latitude Seconds: Not reported
 Longitude Degrees: Not reported
 Longitude Minutes: Not reported
 Longitude Seconds: Not reported
 Clint ID: 210840
 Regulatory Program: MACT
 Subpar: Subpart M--National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities
 Region: Southeast Regional Office
 Primary Facility Status: Active
 Contact Name: Not reported
 Contact Phone: Not reported
 Contact Email: Not reported
 Client: KLEEN ALL CTR
 Client Type: Not reported
 Client Address1: 1906 MACDADE BLVD
 Client Address2: Not reported
 Client City: FOLSOM
 Client State: PA
 Client Zip: 19033-1316
 NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
 Latitude: 39.895856
 Longitude: -75.316708

G21
West
1/8-1/4
0.249 mi.
1316 ft.

CVS PHARMACY #2867
1937 MACDADE BLVD
FOLSOM, PA 19033

RCRA-VSQQ 1014960998
PAR000532846

Site 3 of 4 in cluster G

Relative:
Higher
Actual:
100 ft.

RCRA-VSQQ:
 Date Form Received by Agency: 2020-02-23 00:00:00.0
 Handler Name: CVS PHARMACY #2867
 Handler Address: 1937 MACDADE BLVD
 Handler City,State,Zip: FOLSOM, PA 19033
 EPA ID: PAR000532846
 Contact Name: NICOLE WILKINSON
 Contact Address: CVS DR MC2340
 Contact City,State,Zip: WOONSOCKET, RI 02895
 Contact Telephone: 401-770-7132
 Contact Fax: Not reported
 Contact Email: NICOLE.WILKINSON@CVSHEALTH.COM
 Contact Title: DIRECTOR, CORPORATE ENVIRONMENTAL
 EPA Region: 03
 Land Type: Private

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, State-specific Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	CVS DR MC2340
Mailing City, State, Zip:	WOONSOCKET, RI 02895
Owner Name:	MACDADE-KEDRON ASSOCIATES LP
Owner Type:	Private
Operator Name:	PENNSYLVANIA CVS PHARMACY LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	Y--
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Subpart K - Withdrawal
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 2020-10-23 13:47:02.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: H

Biennial: List of Years

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D018
Waste Description: BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Waste Code:	D024
Waste Description:	M-CRESOL
Waste Code:	D027
Waste Description:	1,4-DICHLOROBENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	P001
Waste Description:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste Code:	P012
Waste Description:	ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
Waste Code:	P042
Waste Description:	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE
Waste Code:	P075
Waste Description:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
Waste Code:	P081
Waste Description:	1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
Waste Code:	P188
Waste Description:	BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-5-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U010
Waste Description:	AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C
Waste Code:	U031
Waste Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Waste Code:	U034
Waste Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Waste Code:	U035
Waste Description:	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL
Waste Code:	U044
Waste Description:	CHLOROFORM (OR) METHANE, TRICHLORO-

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Waste Code:	U058
Waste Description:	2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE
Waste Code:	U059
Waste Description:	5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL]OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN
Waste Code:	U070
Waste Description:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
Waste Code:	U072
Waste Description:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
Waste Code:	U089
Waste Description:	DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-
Waste Code:	U122
Waste Description:	FORMALDEHYDE
Waste Code:	U129
Waste Description:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
Waste Code:	U132
Waste Description:	HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-
Waste Code:	U150
Waste Description:	L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
Waste Code:	U151
Waste Description:	MERCURY
Waste Code:	U154
Waste Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Waste Code:	U165
Waste Description:	NAPHTHALENE
Waste Code:	U188
Waste Description:	PHENOL
Waste Code:	U200
Waste Description:	RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-
Waste Code:	U201
Waste Description:	1,3-BENZENEDIOL (OR) RESORCINOL
Waste Code:	U204
Waste Description:	SELENIOUS ACID (OR) SELENIUM DIOXIDE
Waste Code:	U205

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Waste Description: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
Waste Code: U206
Waste Description: D-GLUCOSE, 2-DEOXY-2-[[METHYLNITROSOAMINO]-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN
Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
Waste Code: U279
Waste Description: U279
Waste Code: U411
Waste Description: U411

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: MACDADE KEDRON ASSOCIATES LP
Legal Status: Private
Date Became Current: 2000-12-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 467 PENNSYLVANIA AVE
Owner/Operator City,State,Zip: FORT WASHINGTON, PA 19034
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PENNSYLVANIA CVS PHARMACY LLC
Legal Status: Private
Date Became Current: 2001-09-10 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 1 CVS DR
Owner/Operator City,State,Zip: WOONSOCKET, RI 02895
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MACDADE-KEDRON ASSOCIATES LP
Legal Status: Private
Date Became Current: 2000-12-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 467 PENNSYLVANIA AVE, STE 104
Owner/Operator City,State,Zip: FORT WASHINGTON, PA 19034
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PA CVS PHARMACY LLC
Legal Status: Private
Date Became Current: 2001-09-10 00:00:00.

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MACDADE KEDRON ASSOCIATES LP
Legal Status: Private
Date Became Current: 2000-12-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 467 PENNSYLVANIA AVE
Owner/Operator City,State,Zip: FORT WASHINGTON, PA 19034
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MACDADE-KEDRON ASSOCIATES LP
Legal Status: Private
Date Became Current: 2000-12-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 467 PENNSYLVANIA AVE
Owner/Operator City,State,Zip: FORT WASHINGTON, PA 19034
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MACDADE-KEDRON ASSOCIATES LP
Legal Status: Private
Date Became Current: 2000-12-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 467 PENNSYLVANIA AVE, STE 104
Owner/Operator City,State,Zip: FORT WASHINGTON, PA 19034
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PA CVS PHARMACY LLC
Legal Status: Private
Date Became Current: 2001-09-10 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Owner/Operator Name:	PENNSYLVANIA CVS PHARMACY LLC
Legal Status:	Private
Date Became Current:	2001-09-10 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PENNSYLVANIA CVS PHARMACY LLC
Legal Status:	Private
Date Became Current:	2001-09-10 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1 CVS DR
Owner/Operator City,State,Zip:	WOONSOCKET, RI 02895
Owner/Operator Telephone:	401-765-1500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PENNSYLVANIA CVS PHARMACY LLC
Legal Status:	Private
Date Became Current:	2001-09-10 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	1 CVS DR
Owner/Operator City,State,Zip:	WOONSOCKET, RI 02895
Owner/Operator Telephone:	401-765-1500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MACDADE-KEDRON ASSOCIATES LP
Legal Status:	Private
Date Became Current:	2000-12-15 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	467 PENNSYLVANIA AVE, STE 104
Owner/Operator City,State,Zip:	FORT WASHINGTON, PA 19034
Owner/Operator Telephone:	215-643-6889
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CORPORATEENVIRONMENTALTEAM@CVSHEALTH.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PA CVS PHARMACY LLC
Legal Status:	Private
Date Became Current:	2001-09-10 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MACDADE KEDRON ASSOCIATES LP
Legal Status: Private
Date Became Current: 2000-12-15 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 467 PENNSYLVANIA AVE
Owner/Operator City,State,Zip: FORT WASHINGTON, PA 19034
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2016-03-10 00:00:00.0
Handler Name: CVS PHARMACY 2867
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2018-02-02 00:00:00.0
Handler Name: CVS PHARMACY #2867
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2020-02-23 00:00:00.0
Handler Name: CVS PHARMACY #2867
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 2012-08-08 00:00:00.0
Handler Name: CVS PHARMACY NO 2867
Federal Waste Generator Description: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2014-07-07 00:00:00.0
Handler Name: CVS PHARMACY NO 2867
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2015-06-19 00:00:00.0
Handler Name: CVS PHARMACY NO 2867
Federal Waste Generator Description: Large Quantity Generator
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2019-11-07 00:00:00.0
Handler Name: CVS PHARMACY #2867
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 44611
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 446110
NAICS Description: PHARMACIES AND DRUG STORES

NAICS Code: 812922

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CVS PHARMACY #2867 (Continued)

1014960998

NAICS Description: ONE-HOUR PHOTOFINISHING

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

G22
West
1/8-1/4
0.249 mi.
1316 ft.

CVS PHARMACY 2867
1937 MACDADE BLVD
FOLSOM, PA 19033
Site 4 of 4 in cluster G

PA MANIFEST S113740473
N/A

Relative:
Higher
Actual:
100 ft.

Manifest Details:

Year:	2015
Manifest Number:	007298608FLE
Manifest Type:	TSD Copy
Generator EPA Id:	PAR000532846
Generator Date:	02/12/2015
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	STERICYCLE INC
TSD Facility Address:	2670 EXECUTIVE DR
TSD Facility City:	INDIANAPOLIS
TSD Facility State:	IN
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D010
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	19
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	INR000110197
Date TSP Sig:	Not reported
Year:	2015
Manifest Number:	007298609FLE
Manifest Type:	TSD Copy
Generator EPA Id:	PAR000532846
Generator Date:	02/12/2015
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY 2867 (Continued)

S113740473

TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 24
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 007298608FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 02/12/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: STERICYCLE INC
TSD Facility Address: 2670 EXECUTIVE DR
TSD Facility City: INDIANAPOLIS
TSD Facility State: IN
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: P075
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 11
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: INR000110197
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 006339809FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 05/04/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY 2867 (Continued)

S113740473

Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 24
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 006339809FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 05/04/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: U002
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 24
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 007298608FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 02/12/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: STERICYCLE INC
TSD Facility Address: 2670 EXECUTIVE DR
TSD Facility City: INDIANAPOLIS
TSD Facility State: IN
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: P001
Container Number: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY 2867 (Continued)

S113740473

Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 1
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: INR000110197
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 006339809FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 05/04/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 25
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 007298609FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 02/12/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: U002
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 23
Unit: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CVS PHARMACY 2867 (Continued)

S113740473

Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 007298608FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 02/12/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: STERICYCLE INC
TSD Facility Address: 2670 EXECUTIVE DR
TSD Facility City: INDIANAPOLIS
TSD Facility State: IN
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D007
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 19
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: INR000110197
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 007298608FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000532846
Generator Date: 02/12/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: STERICYCLE INC
TSD Facility Address: 2670 EXECUTIVE DR
TSD Facility City: INDIANAPOLIS
TSD Facility State: IN
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: P001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 11
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: INR000110197
Date TSP Sig: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CVS PHARMACY 2867 (Continued)

S113740473

[Click this hyperlink](#) while viewing on your computer to access
 33 additional PA_MANIFEST: record(s) in the EDR Site Report.

23
WSW
1/4-1/2
0.273 mi.
1443 ft.

BRYN HILL IND
120 KEDRON AVENUE
HOLMES, PA 19043

PA VCP **S109841378**
PA ACT 2-DEED **N/A**

Relative:
Lower

Actual:
90 ft.

VCP:
 Name: BRYN HILL IND
 Address: 120 KEDRON AVENUE
 City,State,Zip: HOLMES, PA 19043

Activity:
 Activity ID: 633364,

Cleanup Records:
 Municipality: Ridley Twp
 Region: Southeast Region
 Category Desc: Chlorinated Solvents
 Type: Complete Sites
 LRP Activity Number: 30257
 Remediation: Statewide Health Standard
 Activity: NO
 Date Approved: 03/25/2003
 Date Received: Not reported
 Date Nonuse: Not reported
 ICS Code: Not reported
 Media: Soil
 Latitude: 39.895083
 Longitude: -75.312166

ACT 2-DEED:
 Region: 4100
 Municipality: Ridley
 Site Size: 0.01
 Cleanup Standard: Statewide Health
 Cleanup Indicator: Not reported
 Response Date: 3/25/2003
 Category Description: Chlorinated Solvents
 Land Designation Code: Not reported

H24
West
1/4-1/2
0.274 mi.
1445 ft.

KEYSTONE BANK SITE
1937 E MACDADE BLVD
HOLMES, PA 19043

PA VCP **S108831135**
PA ACT 2-DEED **N/A**

Site 3 of 3 in cluster H

Relative:
Higher

Actual:
99 ft.

VCP:
 Name: KEYSTONE BANK SITE
 Address: 1937 E MACDADE BLVD
 City,State,Zip: HOLMES, PA 19043

Cleanup Records:
 Municipality: Ridley Twp
 Region: Southeast Region

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KEYSTONE BANK SITE (Continued)

S108831135

Category Desc: Fuel Oil No 2
Type: Complete Sites
LRP Activity Number: 38405
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 05/29/2008
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.896683
Longitude: -75.315488

Name: KEYSTONE BANK SITE
Address: 1937 E MACDADE BLVD
City,State,Zip: HOLMES, PA 19043

Activity:
Activity ID: 617690, 617690,
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Complete Sites
LRP Activity Number: 38405
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 05/29/2008
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.896683
Longitude: -75.315488

ACT 2-DEED:
Region: 4100
Municipality: Ridley
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 5/29/2008
Category Description: Chlorinated Solvents
Land Designation Code: Not reported

25
WSW
1/4-1/2
0.341 mi.
1801 ft.

**RIDLEY TWP MUNI GARAGE
SECOND AVE & SUTTON AVE
FOLSOM, PA 19033**

**PA LUST S118066620
N/A**

**Relative:
Lower
Actual:
79 ft.**

LUST:
Name: RIDLEY TWP MUNI GARAGE
Address: SECOND AVE & SUTTON AVE
City,State,Zip: FOLSOM, PA 19033
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 591209
Facility Type: Underground Storage Tank Containing Petroleum

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIDLEY TWP MUNI GARAGE (Continued)

S118066620

Facility Status: Cleanup Completed
Status Date: 12/14/2016
Confirmed Date: 07/07/2015
Program Other Id: 23-32242
Client: RIDLEY TWP DELAWARE CNTY
Incident Id: 48132
Incident Desc: NOC
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: VISOD
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Diesel Fuel
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.894056
Longitude: -75.315841

Name: RIDLEY TWP MUNI GARAGE
Address: SECOND AVE & SUTTON AVE
City,State,Zip: FOLSOM, PA 19033
Region: EP SE Rgnl Off Norristown
Municipality: Ridley Twp
Facility Id: 591209
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 12/14/2016
Confirmed Date: 07/07/2015
Program Other Id: 23-32242
Client: RIDLEY TWP DELAWARE CNTY
Incident Id: 48132
Incident Desc: NOC
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: VISOD
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Surface Water
Substance: Diesel Fuel
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.894056
Longitude: -75.315841

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

I26
South
1/4-1/2
0.371 mi.
1957 ft.

CAMALLOY WIRE INC
13TH & PENNSYLVANIA AVE
PROSPECT PARK, PA 15219

RCRA-TSDF
RCRA NonGen / NLR
NY MANIFEST

1000149177
PAD005000419

Site 1 of 4 in cluster I

Relative:
Higher
Actual:
95 ft.

RCRA NonGen / NLR:		2017-10-03 00:00:00.0
Date Form Received by Agency:		
Handler Name:	CAMALLOY WIRE INC	
Handler Address:		13TH & PENNSYLVANIA AVE
Handler City,State,Zip:		PROSPECT PARK, PA 15219
EPA ID:		PAD005000419
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		03
Land Type:		Other
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		PA
State District:		1
Mailing Address:		Not reported
Mailing City,State,Zip:		Not reported
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRR Permit Baseline:		Not on the Baseline
2018 GPRR Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-10 11:26:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

<p>Waste Code:</p> <p>Waste Description:</p>	<p>F001</p> <p>THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING 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 F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.</p>
<p>Waste Code:</p> <p>Waste Description:</p>	<p>F006</p> <p>WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.</p>
<p>Waste Code:</p> <p>Waste Description:</p>	<p>K062</p> <p>SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.</p>
<p>Waste Code:</p>	<p>K063</p>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Waste Description: Not Defined

Waste Code: P029
Waste Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Waste Code: P106
Waste Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Waste Code: U228
Waste Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: H K PORTER CO INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 601 GRANT ST
Owner/Operator City,State,Zip: PITTSBURGH, PA 15219
Owner/Operator Telephone: 412-391-1800
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: H. K. PORTER COMPANY, INC.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 601 GRANT STREET
Owner/Operator City,State,Zip: OPERCITY, PA 99999
Owner/Operator Telephone: 412-391-1800
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1980-11-18 00:00:00.0
Handler Name: CAMALLOY WIRE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2017-10-03 00:00:00.0
Handler Name: CAMALLOY WIRE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1980-08-06 00:00:00.0
Handler Name: CAMALLOY WIRE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 331222
NAICS Description: STEEL WIRE DRAWING

NAICS Code: 331491
NAICS Description: NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, AND EXTRUDING

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1992-10-06 00:00:00.0
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MLM
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

RCRA NonGen / NLR:

Date Form Received by Agency:	2017-10-03 00:00:00.0
Handler Name:	CAMALLOY WIRE INC
Handler Address:	13TH & PENNSYLVANIA AVE
Handler City,State,Zip:	PROSPECT PARK, PA 15219
EPA ID:	PAD005000419
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	03
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	PA
State District:	1
Mailing Address:	Not reported
Mailing City, State, Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-10-10 11:26:36.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING 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 F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F006
Waste Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Waste Code:	K062
Waste Description:	SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.
Waste Code:	K063
Waste Description:	Not Defined
Waste Code:	P029
Waste Description:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
Waste Code:	P106
Waste Description:	SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
Waste Code:	U228
Waste Description:	ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Handler - Owner Operator:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Owner/Operator Indicator: Owner
 Owner/Operator Name: H K PORTER CO INC
 Legal Status: Private
 Date Became Current: Not reported
 Date Ended Current: Not reported
 Owner/Operator Address: 601 GRANT ST
 Owner/Operator City,State,Zip: PITTSBURGH, PA 15219
 Owner/Operator Telephone: 412-391-1800
 Owner/Operator Telephone Ext: Not reported
 Owner/Operator Fax: Not reported
 Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
 Owner/Operator Name: H. K. PORTER COMPANY, INC.
 Legal Status: Private
 Date Became Current: Not reported
 Date Ended Current: Not reported
 Owner/Operator Address: 601 GRANT STREET
 Owner/Operator City,State,Zip: OPERCITY, PA 99999
 Owner/Operator Telephone: 412-391-1800
 Owner/Operator Telephone Ext: Not reported
 Owner/Operator Fax: Not reported
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 1980-11-18 00:00:00.0
 Handler Name: CAMALLOY WIRE INC
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: PA
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: No
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

Receive Date: 2017-10-03 00:00:00.0
 Handler Name: CAMALLOY WIRE INC
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: PA
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

Receive Date: 1980-08-06 00:00:00.0
 Handler Name: CAMALLOY WIRE INC
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: PA
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	331222
NAICS Description:	STEEL WIRE DRAWING

NAICS Code:	331491
NAICS Description:	NONFERROUS METAL (EXCEPT COPPER AND ALUMINUM) ROLLING, DRAWING, AND EXTRUDING

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	1992-10-06 00:00:00.0
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Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MLM
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

NY MANIFEST:

Name:	CAMALLOY WIRE COMPANY
Address:	13TH & PENNSYLVANIA AVE
City,State,Zip:	PROSPECT PARK, PA 15219
Country:	USA
EPA ID:	PAD005000419
Facility Status:	Not reported
Location Address 1:	13TH & PENN AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	PROSPECT PARK
Location State:	PA
Location Zip:	19076
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	PAD005000419
Mailing Name:	CAMALLOY WIRE COMPANY
Mailing Contact:	CAMALLOY WIRE COMPANY
Mailing Address 1:	13TH & PENN AVENUE
Mailing Address 2:	Not reported
Mailing City:	PROSPECT PARK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CAMALLOY WIRE INC (Continued)

1000149177

Mailing State: PA
Mailing Zip: 19076
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 6098456100

NY MANIFEST:

Document ID: NYA7969203
Manifest Status: K
seq: Not reported
Year: 1989
Trans1 State ID: PA-AH-032
Trans2 State ID: S2265-253
Generator Ship Date: 09/25/1989
Trans1 Recv Date: 09/25/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 10/03/1989
Part A Recv Date: 12/05/1989
Part B Recv Date: 12/05/1989
Generator EPA ID: PAD005000419
Trans1 EPA ID: NJD054126164
Trans2 EPA ID: Not reported
TSD ID 1: NYD043815703
TSD ID 2: Not reported
Manifest Tracking Number: Not reported
Import Indicator: Not reported
Export Indicator: Not reported
Discr Quantity Indicator: Not reported
Discr Type Indicator: Not reported
Discr Residue Indicator: Not reported
Discr Partial Reject Indicator: Not reported
Discr Full Reject Indicator: Not reported
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: Not reported
Waste Code: F001 - UNKNOWN
Waste Code: Not reported
Quantity: 00104
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

I27
South
1/4-1/2
0.371 mi.
1957 ft.

PROSPECT PARK
13TH AND PENNSYLVANIA AVE.
PROSPECT PARK, PA 19076

SEMS-ARCHIVE 1003866964
PAD987341989

Site 2 of 4 in cluster I

Relative:
Higher
Actual:
96 ft.

SEMS Archive:
Site ID: 0304441
EPA ID: PAD987341989
Name: PROSPECT PARK
Address: 13TH AND PENNSYLVANIA AVE.
Address 2: Not reported
City,State,Zip: PROSPECT PARK, PA 19076
Cong District: 07
FIPS Code: 42045
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 03
Site ID: 0304441
EPA ID: PAD987341989
Site Name: PROSPECT PARK
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1991-09-04 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 03
Site ID: 0304441
EPA ID: PAD987341989
Site Name: PROSPECT PARK
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-09-04 04:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 03
Site ID: 0304441
EPA ID: PAD987341989
Site Name: PROSPECT PARK
NPL: N
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PROSPECT PARK (Continued)

1003866964

Start Date: 1991-06-10 04:00:00
Finish Date: 1991-06-11 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 03
Site ID: 0304441
EPA ID: PAD987341989
Site Name: PROSPECT PARK
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-06-10 04:00:00
Finish Date: 1991-06-10 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

I28
South
1/4-1/2
0.371 mi.
1957 ft.

? PROSPECT PARK?
13TH & PENNSYLVANIA AVE.
RIDLEY, PA

PA HIST LF **S105954794**
N/A

Site 3 of 4 in cluster I

Relative:
Higher
Actual:
96 ft.

HIST LF INVENTORY:
Site ID: 1-247
Inspect Date: 08/09/00
Facility Status: INACTIVE
Facility Type: Not reported

I29
South
1/4-1/2
0.373 mi.
1970 ft.

ALLOY METAL WIRE WORKS
13TH AND PENNSYLVANIA AVE.
PROSPECT PARK, PA 19076

SEMS-ARCHIVE **1015736262**
PAD987277852

Site 4 of 4 in cluster I

Relative:
Higher
Actual:
96 ft.

SEMS Archive:
Site ID: 0303824
EPA ID: PAD987277852
Name: ALLOY METAL WIRE WORKS
Address: 13TH AND PENNSYLVANIA AVE.
Address 2: Not reported
City,State,Zip: PROSPECT PARK, PA 19076
Cong District: 07
FIPS Code: 42045
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 03
Site ID: 0303824
EPA ID: PAD987277852
Site Name: ALLOY METAL WIRE WORKS

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALLOY METAL WIRE WORKS (Continued)

1015736262

NPL: N
 FF: N
 OU: 00
 Action Code: VS
 Action Name: ARCH SITE
 SEQ: 1
 Start Date: Not reported
 Finish Date: 1990-10-22 04:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf In-Hse

Region: 03
 Site ID: 0303824
 EPA ID: PAD987277852
 Site Name: ALLOY METAL WIRE WORKS
 NPL: N
 FF: N
 OU: 00
 Action Code: PA
 Action Name: PA
 SEQ: 1
 Start Date: 1990-07-11 04:00:00
 Finish Date: 1990-10-22 04:00:00
 Qual: N
 Current Action Lead: EPA Perf

Region: 03
 Site ID: 0303824
 EPA ID: PAD987277852
 Site Name: ALLOY METAL WIRE WORKS
 NPL: N
 FF: N
 OU: 00
 Action Code: DS
 Action Name: DISCVRY
 SEQ: 1
 Start Date: 1989-12-07 05:00:00
 Finish Date: 1989-12-07 05:00:00
 Qual: Not reported
 Current Action Lead: EPA Perf

**30
 NE
 1/4-1/2
 0.420 mi.
 2216 ft.**

**KMART STORE 3597
 600 MACDADE BLVD
 HOLMES, PA 19403**

**PA LUST S105800249
 PA MANIFEST N/A**

**Relative:
 Lower
 Actual:
 77 ft.**

LUST:
 Name: K MART 3597
 Address: 600 MACDADE BLVD
 City,State,Zip: HOLMES, PA 19043-1517
 Region: EP SE Rgnl Off Norristown
 Municipality: Darby Twp
 Facility Id: 591874
 Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
 Status Date: 09/02/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART STORE 3597 (Continued)

S105800249

Confirmed Date: 06/08/1993
Program Other Id: 23-45789
Client: SEARS HOLDINGS CORP
Incident Id: 1549
Incident Desc: 23-45789 K MART 3597
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Used Motor Oil
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: Not reported
Altitude Datum: Not reported
Latitude: Not reported
Longitude: Not reported

Name: K MART 3597
Address: 600 MACDADE BLVD
City,State,Zip: HOLMES, PA 19043-1517
Region: EP SE Rgnl Off Norristown
Municipality: Darby Twp
Facility Id: 591874
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 09/02/1993
Confirmed Date: 06/08/1993
Program Other Id: 23-45789
Client: SEARS HOLDINGS CORP
Incident Id: 1549
Incident Desc: 23-45789 K MART 3597
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Soil
Substance: Used Motor Oil
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: Not reported
Altitude Datum: Not reported
Latitude: Not reported
Longitude: Not reported

Manifest Details:

Year: 2018
Manifest Number: 010136043FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 02/14/2018
Mailing Address: Not reported
Mailing City,St,Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART STORE 3597 (Continued)

S105800249

Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Fiberboard or plastic drums, barrels, kegs
Waste Quantity: 43
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2018
Manifest Number: 010136043FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 02/14/2018
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Burlap, cloth, paper or plastic bags
Waste Quantity: 6
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 010721583FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 07/27/2017
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART STORE 3597 (Continued)

S105800249

TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Burlap, cloth, paper or plastic bags
Waste Quantity: 4
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 010721583FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 07/27/2017
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 1
Container Type: Burlap, cloth, paper or plastic bags
Waste Quantity: 1
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 010721583FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 07/27/2017
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART STORE 3597 (Continued)

S105800249

TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Burlap, cloth, paper or plastic bags
Waste Quantity: 9
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 006429890FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 12/15/2015
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Burlap, cloth, paper or plastic bags
Waste Quantity: 9
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 007298704FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 03/10/2015
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KMART STORE 3597 (Continued)

S105800249

Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 177
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 007298704FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 03/10/2015
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported

Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 24
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: PAD085690592
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 006429890FLE
Manifest Type: TSD Copy
Generator EPA Id: PAR000529990
Generator Date: 12/15/2015
Mailing Address: Not reported
Mailing City, St, Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address: 2869 Sandstone Dr
TSD Facility City: Hatfield
TSD Facility State: PA
Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D001

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KMART STORE 3597 (Continued)

S105800249

Container Number: 1
 Container Type: Burlap, cloth, paper or plastic bags
 Waste Quantity: 24
 Unit: Pounds
 Handling Code: Not reported
 TSP EPA Id: PAD085690592
 Date TSP Sig: Not reported

Year: 2014
 Manifest Number: 005990325FLE
 Manifest Type: TSD Copy
 Generator EPA Id: PAR000529990
 Generator Date: 11/13/2014
 Mailing Address: Not reported
 Mailing City,St,Zip: Not reported
 Contact Name: Not reported
 Contact Phone: Not reported
 TSD EPA Id: Not reported
 TSD Date: Not reported
 TSD Facility Name: Heritage Environmental Services Inc
 TSD Facility Address: 7901 W Morris St
 TSD Facility City: Indianapolis
 TSD Facility State: IN
 Facility Telephone: Not reported
 Page Number: 1
 Line Number: 2
 Waste Number: D001
 Container Number: 1
 Container Type: Fiber or plastic boxes, cartons, cases
 Waste Quantity: 11
 Unit: Pounds
 Handling Code: Not reported
 TSP EPA Id: IND093219012
 Date TSP Sig: Not reported

[Click this hyperlink](#) while viewing on your computer to access
 14 additional PA_MANIFEST: record(s) in the EDR Site Report.

31
 WSW
 1/4-1/2
 0.472 mi.
 2492 ft.

SUNOCO 0004 9056
1610 MACDADE BLVD & TASKER AVE
FOLSOM, PA 19033

PA LUST S105800295
PA VCP N/A
PA ACT 2-DEED

Relative:
Higher
Actual:
95 ft.

LUST:
 Name: SUNOCO 0004 9056
 Address: 1610 MACDADE BLVD & TASKER AVE
 City,State,Zip: FOLSOM, PA 19033
 Region: EP SE Rgnl Off Norristown
 Municipality: Ridley Twp
 Facility Id: 634407
 Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
 Status Date: 03/12/2003
 Confirmed Date: 03/05/1996
 Program Other Id: 634407
 Client: Not reported
 Incident Id: 30637

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0004 9056 (Continued)

S105800295

Incident Desc: SUNOCO 0004 9056
Suspect Date: 03/05/1996
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Not reported
Substance: Not reported
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: Not reported
Altitude Datum: Not reported
Latitude: Not reported
Longitude: Not reported

VCP:

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033

Cleanup Records:

Municipality: Ridley Twp
Region: Southeast Region
Category Desc: Leaded Gasoline
Type: Complete Sites
LRP Activity Number: 29657
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: Leaded Gasoline
Type: Complete Sites
LRP Activity Number: 29657
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0004 9056 (Continued)

S105800295

City,State,Zip: FOLSOM, PA 19033
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: MTBE
Type: Complete Sites
LRP Activity Number: 29657
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: MTBE
Type: Complete Sites
LRP Activity Number: 29657
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: Unleaded Gasoline
Type: Complete Sites
LRP Activity Number: 29657
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033
Municipality: Ridley Twp
Region: Southeast Region

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0004 9056 (Continued)

S105800295

Category Desc:	Unleaded Gasoline
Type:	Complete Sites
LRP Activity Number:	29658
Remediation:	Site-Specific Standard
Activity:	NO
Date Approved:	12/18/2003
Date Received:	Not reported
Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Soil
Latitude:	39.893888
Longitude:	-75.318333
Name:	SUNOCO 0004 9056
Address:	1610 MACDADE BLVD & TASKER AVE
City,State,Zip:	FOLSOM, PA 19033
Municipality:	Ridley Twp
Region:	Southeast Region
Category Desc:	Leaded Gasoline
Type:	Complete Sites
LRP Activity Number:	29658
Remediation:	Site-Specific Standard
Activity:	NO
Date Approved:	12/18/2003
Date Received:	Not reported
Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Groundwater
Latitude:	39.893888
Longitude:	-75.318333
Name:	SUNOCO 0004 9056
Address:	1610 MACDADE BLVD & TASKER AVE
City,State,Zip:	FOLSOM, PA 19033
Municipality:	Ridley Twp
Region:	Southeast Region
Category Desc:	Leaded Gasoline
Type:	Complete Sites
LRP Activity Number:	29658
Remediation:	Site-Specific Standard
Activity:	NO
Date Approved:	12/18/2003
Date Received:	Not reported
Date Nonuse:	Not reported
ICS Code:	Not reported
Media:	Soil
Latitude:	39.893888
Longitude:	-75.318333
Name:	SUNOCO 0004 9056
Address:	1610 MACDADE BLVD & TASKER AVE
City,State,Zip:	FOLSOM, PA 19033
Municipality:	Ridley Twp
Region:	Southeast Region
Category Desc:	MTBE
Type:	Complete Sites
LRP Activity Number:	29658

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0004 9056 (Continued)

S105800295

Remediation: Site-Specific Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: MTBE
Type: Complete Sites
LRP Activity Number: 29658
Remediation: Site-Specific Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: Unleaded Gasoline
Type: Complete Sites
LRP Activity Number: 29658
Remediation: Site-Specific Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.893888
Longitude: -75.318333

Name: SUNOCO 0004 9056
Address: 1610 MACDADE BLVD & TASKER AVE
City,State,Zip: FOLSOM, PA 19033

Activity:
Activity ID: 630748, 630748, 630748, 630748, 630748, 630748, 630748, 630748,
630748, 630748, 630748, 630748,
Municipality: Ridley Twp
Region: Southeast Region
Category Desc: Unleaded Gasoline
Type: Complete Sites
LRP Activity Number: 29657

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0004 9056 (Continued)

S105800295

Remediation: Statewide Health Standard
Activity: NO
Date Approved: 12/18/2003
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.893888
Longitude: -75.318333

ACT 2-DEED:

Region: 4100
Municipality: Ridley
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 12/18/2003
Category Description: Leaded Gasoline, MTBE, Unleaded Gasoline
Land Designation Code: Not reported

Region: 4100
Municipality: Ridley
Site Size: Not reported
Cleanup Standard: Site Specefic
Cleanup Indicator: Not reported
Response Date: 12/18/2003
Category Description: Lead
Land Designation Code: DEEDR

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DARBY	1003866751	DARBY TOWNSHIP TRANSFORMER	1524 LINCOLN AVENUE	19036	SEMS-ARCHIVE
NORWOOD	1023674654	NORWOOD LANDFILL	E. WINONA AVE	19074	SEMS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: N/A
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: N/A
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/30/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The 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 potential NPL site.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: 800-424-9346
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/26/2021
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021	Source: EPA
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-424-9346
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-438-2474
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-438-2474
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-438-2474
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-438-2474
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021	Source: Department of the Navy
Date Data Arrived at EDR: 02/11/2021	Telephone: 843-820-7326
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 05/05/2021
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/23/2021
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2021	Telephone: 703-603-0695
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 05/21/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/23/2021	Telephone: 703-603-0695
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 05/21/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2021

Date Data Arrived at EDR: 03/24/2021

Date Made Active in Reports: 06/17/2021

Number of Days to Update: 85

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/17/2021

Next Scheduled EDR Contact: 10/04/2021

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

SHWS: Hazardous Sites Cleanup Act Site List

The Hazardous Sites Cleanup Act Site List includes sites listed on PA Priority List, sites delisted from PA Priority List, Interim Response Completed sites, and Sites Being Studied or Response Being Planned.

Date of Government Version: 04/01/2021

Date Data Arrived at EDR: 04/01/2021

Date Made Active in Reports: 04/07/2021

Number of Days to Update: 6

Source: Department Environmental Protection

Telephone: 717-783-7816

Last EDR Contact: 03/31/2021

Next Scheduled EDR Contact: 07/26/2021

Data Release Frequency: Quarterly

HSCA: HSCA Remedial Sites Listing

A list of remedial sites on the PA Priority List. This is the PA state equivalent of the federal NPL superfund list.

Date of Government Version: 06/20/2020

Date Data Arrived at EDR: 01/20/2021

Date Made Active in Reports: 04/09/2021

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 717-783-7816

Last EDR Contact: 04/12/2021

Next Scheduled EDR Contact: 07/26/2021

Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Operating Facilities

The listing includes Municipal Waste Landfills, Construction/Demolition Waste Landfills and Waste-to-Energy Facilities.

Date of Government Version: 02/17/2021

Date Data Arrived at EDR: 02/18/2021

Date Made Active in Reports: 05/11/2021

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 717-787-7564

Last EDR Contact: 05/17/2021

Next Scheduled EDR Contact: 08/30/2021

Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LAST: Storage Tank Release Sites

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 03/09/2021

Date Data Arrived at EDR: 03/10/2021

Date Made Active in Reports: 05/28/2021

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 717-783-7509

Last EDR Contact: 06/07/2021

Next Scheduled EDR Contact: 09/20/2021

Data Release Frequency: Quarterly

LUST: Storage Tank Release Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/10/2021
Date Made Active in Reports: 05/28/2021
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 12/16/2020	Telephone: 312-886-7439
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 06/11/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/14/2003	Telephone: 717-783-7509
Date Made Active in Reports: 08/29/2003	Last EDR Contact: 08/14/2003
Number of Days to Update: 15	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021	Source: FEMA
Date Data Arrived at EDR: 02/17/2021	Telephone: 202-646-5797
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 04/05/2021
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Varies

UST: Listing of Pennsylvania Regulated Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/01/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/10/2021	Telephone: 717-772-5599
Date Made Active in Reports: 05/28/2021	Last EDR Contact: 06/07/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Varies

AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 03/01/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/10/2021	Telephone: 717-772-5599
Date Made Active in Reports: 05/28/2021	Last EDR Contact: 06/07/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/15/2008
Date Data Arrived at EDR: 05/16/2008
Date Made Active in Reports: 06/12/2008
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 04/12/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

AUL: Environmental Covenants Listing

A listing of sites with environmental covenants.

Date of Government Version: 01/12/2021
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 04/02/2021
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 07/16/2021
Data Release Frequency: Quarterly

INST CONTROL: Institutional Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/15/2008
Date Data Arrived at EDR: 05/16/2008
Date Made Active in Reports: 06/12/2008
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 04/12/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Sites

The VCP listings included Completed Sites, Sites in Progress and Act 2 Non-Use Aquifer Determinations Sites. Formerly known as the Act 2, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

Date of Government Version: 01/05/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/06/2021	Telephone: 717-783-2388
Date Made Active in Reports: 03/18/2021	Last EDR Contact: 04/07/2021
Number of Days to Update: 71	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites

Brownfields are generally defined as abandoned or underused industrial or commercial properties where redevelopment is complicated by actual or perceived environmental contamination. Brownfields vary in size, location, age and past use. They can range from a small, abandoned corner gas station to a large, multi-acre former manufacturing plant that has been closed for years.

Date of Government Version: 01/12/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/13/2021	Telephone: 717-783-1566
Date Made Active in Reports: 04/02/2021	Last EDR Contact: 04/14/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/26/2021
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/15/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/16/2021	Telephone: 202-566-2777
Date Made Active in Reports: 06/10/2021	Last EDR Contact: 06/10/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/27/2021
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF INVENTORY: Facility Inventory

A listing of solid waste facilities. This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/02/1999
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 09/19/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

HIST LF INACTIVE: Inactive Facilities List

A listing of inactive non-hazardous facilities (10000 & 300000 series). This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

Date of Government Version: 12/20/1994
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 06/21/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

HIST LF ALL: Abandoned Landfill Inventory

The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALLI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/04/2005
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: Sites With Known PFAS Contamination

Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are man-made chemicals, are resistant to heat, water and oil, and persist in the environment and the human body. PFAS are not found naturally in the environment. They have been used to make cookware, carpets, clothing, fabrics for furniture, paper packaging for food, and other materials that are resistant to water, grease, or stains. They are also used in firefighting foams and in a number of industrial processes.

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 02/01/2021
Number of Days to Update: 80

Source: Department of Environmental Protection
Telephone: 717-787-4728
Last EDR Contact: 06/09/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

ARCHIVE UST: Archived Underground Storage Tank Sites

The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/10/2021
Date Made Active in Reports: 05/28/2021
Number of Days to Update: 79

Source: Department of Environmental Protection
Telephone: 717-772-5599
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ARCHIVE AST: Archived Aboveground Storage Tank Sites

The list includes aboveground tanks with a capacity greater than 21,000 gallons that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 03/01/2021	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/10/2021	Telephone: 717-772-5599
Date Made Active in Reports: 05/28/2021	Last EDR Contact: 06/07/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/03/2021	Telephone: 202-564-6023
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Semi-Annually

ACT 2-DEED: Act 2-Deed Acknowledgment Sites

This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

Date of Government Version: 04/23/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/28/2010	Telephone: 717-783-9470
Date Made Active in Reports: 04/30/2010	Last EDR Contact: 07/22/2011
Number of Days to Update: 2	Next Scheduled EDR Contact: 11/07/2011
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/22/2021	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/24/2021	Telephone: 202-366-4555
Date Made Active in Reports: 06/17/2021	Last EDR Contact: 06/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/04/2021
	Data Release Frequency: Quarterly

SPILLS: State spills

A listing of hazardous material incidents.

Date of Government Version: 01/21/2021	Source: DEP, Emergency Response
Date Data Arrived at EDR: 01/22/2021	Telephone: 717-787-5715
Date Made Active in Reports: 02/02/2021	Last EDR Contact: 04/19/2021
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-438-2474
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/17/2021	Telephone: 202-528-4285
Date Made Active in Reports: 04/05/2021	Last EDR Contact: 05/18/2021
Number of Days to Update: 47	Next Scheduled EDR Contact: 08/30/2021
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2021
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/26/2021
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 04/05/2021
Number of Days to Update: 574	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/18/2021
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/23/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 202-566-1917
Date Made Active in Reports: 06/17/2021	Last EDR Contact: 03/23/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/05/2021
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 04/30/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/16/2021
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/07/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/16/2021
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 06/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/27/2021
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 05/17/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/30/2021
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/20/2021	Source: EPA
Date Data Arrived at EDR: 01/21/2021	Telephone: 202-564-4203
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 04/20/2021
Number of Days to Update: 60	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: 703-416-0223
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2021	Telephone: 202-564-8600
Date Made Active in Reports: 05/11/2021	Last EDR Contact: 04/19/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 202-564-6023
Date Made Active in Reports: 03/05/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 50	Next Scheduled EDR Contact: 08/16/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020	Source: EPA
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-566-0500
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 04/09/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/31/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/11/2021	Telephone: 301-415-7169
Date Made Active in Reports: 05/11/2021	Last EDR Contact: 04/16/2021
Number of Days to Update: 61	Next Scheduled EDR Contact: 08/02/2021
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019	Source: Department of Energy
Date Data Arrived at EDR: 12/01/2020	Telephone: 202-586-8719
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 05/27/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 05/27/2021
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/07/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/16/2021
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 03/25/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/23/2021
Next Scheduled EDR Contact: 07/05/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/03/2021	Telephone: 703-603-8787
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 07/12/2021
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	Next Scheduled EDR Contact: 01/08/2018
	Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/01/2021	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 02/24/2021	Telephone: 303-231-5959
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 05/25/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021	Source: DOL, Mine Safety & Health Admi
Date Data Arrived at EDR: 05/27/2021	Telephone: 202-693-9424
Date Made Active in Reports: 06/10/2021	Last EDR Contact: 05/26/2021
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020	Source: USGS
Date Data Arrived at EDR: 05/27/2020	Telephone: 703-648-7709
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 05/27/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 05/27/2021
Number of Days to Update: 97	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/23/2021	Source: Department of Interior
Date Data Arrived at EDR: 03/25/2021	Telephone: 202-208-2609
Date Made Active in Reports: 06/17/2021	Last EDR Contact: 06/14/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021	Source: EPA
Date Data Arrived at EDR: 03/03/2021	Telephone: (215) 814-5000
Date Made Active in Reports: 04/05/2021	Last EDR Contact: 05/18/2021
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018	Source: Department of Defense
Date Data Arrived at EDR: 07/02/2020	Telephone: 703-704-1564
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 04/13/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 07/26/2021
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/02/2021
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 03/16/2021
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 02/28/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/24/2021
Number of Days to Update: 82

Source: Department of Labor & Industry
Telephone: 717-703-1092
Last EDR Contact: 06/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Locations

A listing of drycleaner facility locations.

Date of Government Version: 03/16/2021
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Abandoned Mine Land Inventory

This data set portrays the approximate location of Abandoned Mine Land Problem Areas containing public health, safety, and public welfare problems created by past coal mining.

Date of Government Version: 01/07/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 02/16/2021
Number of Days to Update: 26

Source: PASDA
Telephone: 814-863-0104
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

NPDES: NPDES Permit Listing

A listing of facilities with an NPDES permit.

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/24/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 717-787-9642
Last EDR Contact: 06/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

UIC: Underground Injection Wells

A listing of underground injection well locations.

Date of Government Version: 03/16/2021
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 717-783-7209
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A	Source: Department Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A	Source: Department Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/10/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 193	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A	Source: Department Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 10/05/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/17/2021	Telephone: 860-424-3375
Date Made Active in Reports: 05/10/2021	Last EDR Contact: 05/11/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/23/2021
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 04/09/2021
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/19/2021
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/12/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Public Welfare

Telephone: 717-783-3856

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Pennsylvania Spatial Data Access

Telephone: 610-344-6105

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

101 AMOSLAND ROAD
101 AMOSLAND ROAD
HOLMES, PA 19043

TARGET PROPERTY COORDINATES

Latitude (North):	39.895554 - 39° 53' 43.99"
Longitude (West):	75.309414 - 75° 18' 33.89"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	473547.6
UTM Y (Meters):	4416001.0
Elevation:	95 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5947571 LANSDOWNE, PA
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

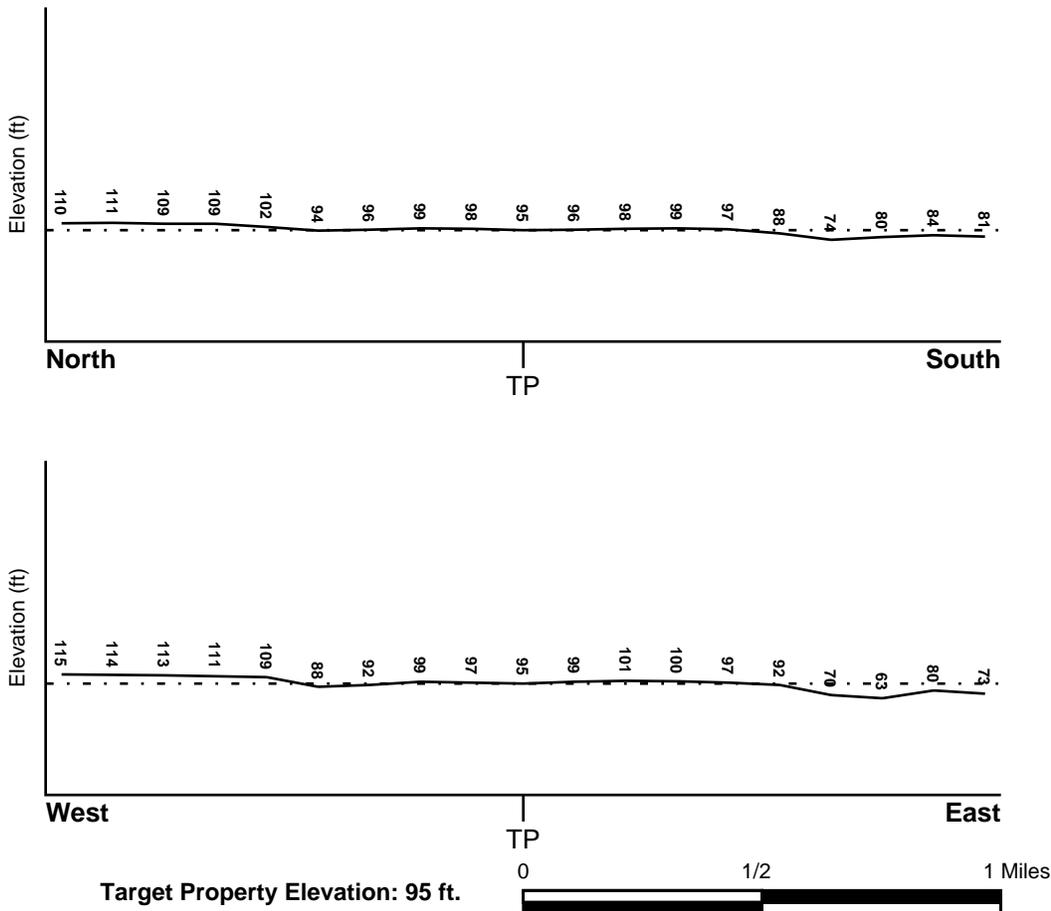
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
42045C0118G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
42045C0112F	FEMA FIRM Flood data
42045C0116F	FEMA FIRM Flood data
42045C0114F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
LANSDOWNE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
20	1/2 - 1 Mile NE	N
21	1/2 - 1 Mile SE	NW
1G	1/2 - 1 Mile NE	N
2G	1/2 - 1 Mile SE	NW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

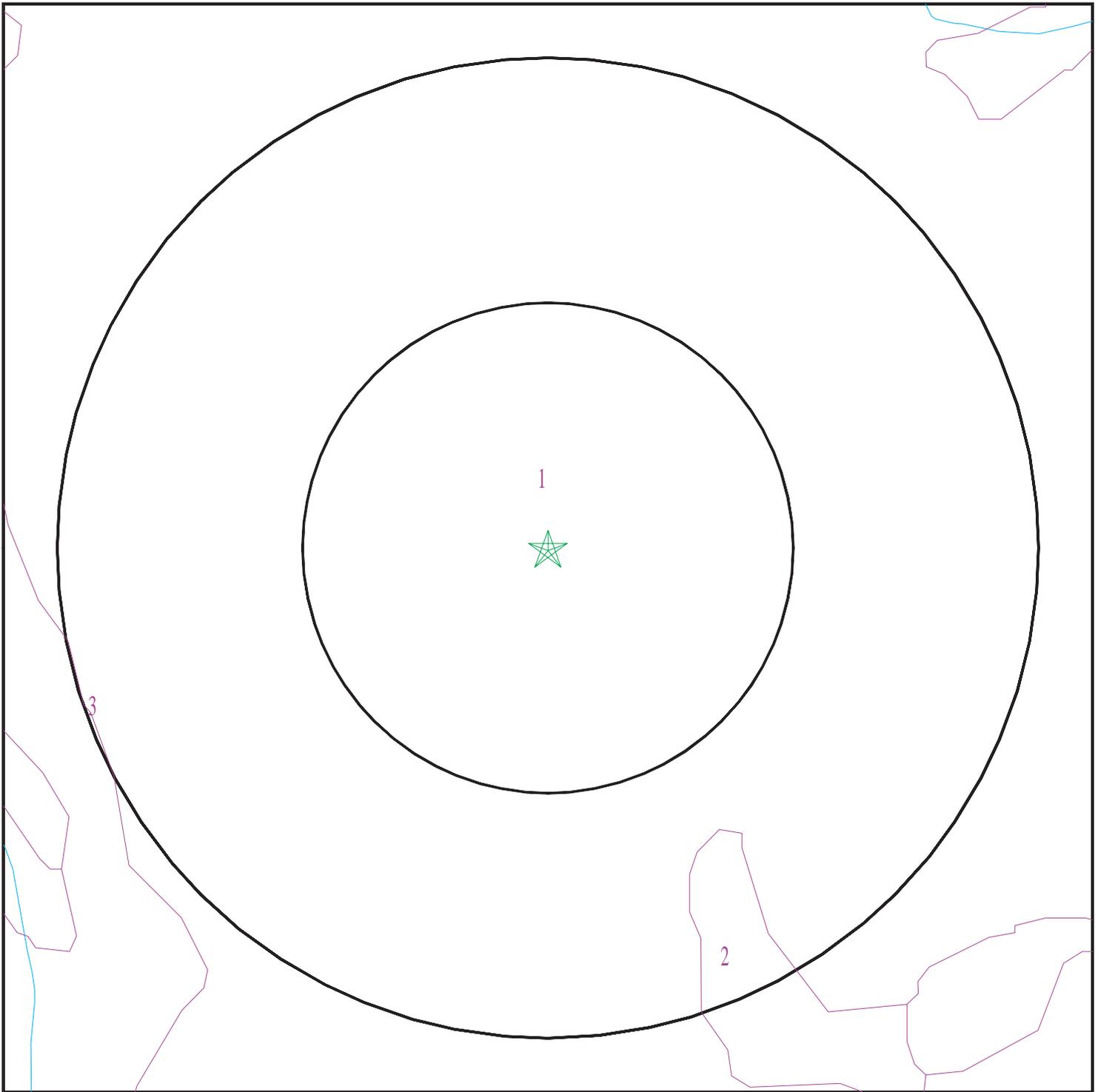
Era: Paleozoic
System: Ordovician
Series: Lower Paleozoic granitic rocks
Code: Pzg1 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 06545570.2r



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: 101 Amosland Road
ADDRESS: 101 Amosland Road
Holmes PA 19043
LAT/LONG: 39.895554 / 75.309414

CLIENT: Earth Engineering Inc.
CONTACT: Max W. Perlow
INQUIRY #: 06545570.2r
DATE: June 21, 2021 7:30 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Made land

Soil Surface Texture:
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Beltsville

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 42.34 Min: 1.41	Max: 5.5 Min: 3.6
2	7 inches	48 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 42.34 Min: 1.41	Max: 5.5 Min: 3.6
3	48 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 42.34 Min: 1.41	Max: 5.5 Min: 3.6
4	59 inches	63 inches	gravelly sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 42.34 Min: 1.41	Max: 5.5 Min: 3.6

Soil Map ID: 3

Soil Component Name: Wheaton

Soil Surface Texture: channery loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
2	5 inches	68 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
19	USGS40001000742	1/4 - 1/2 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

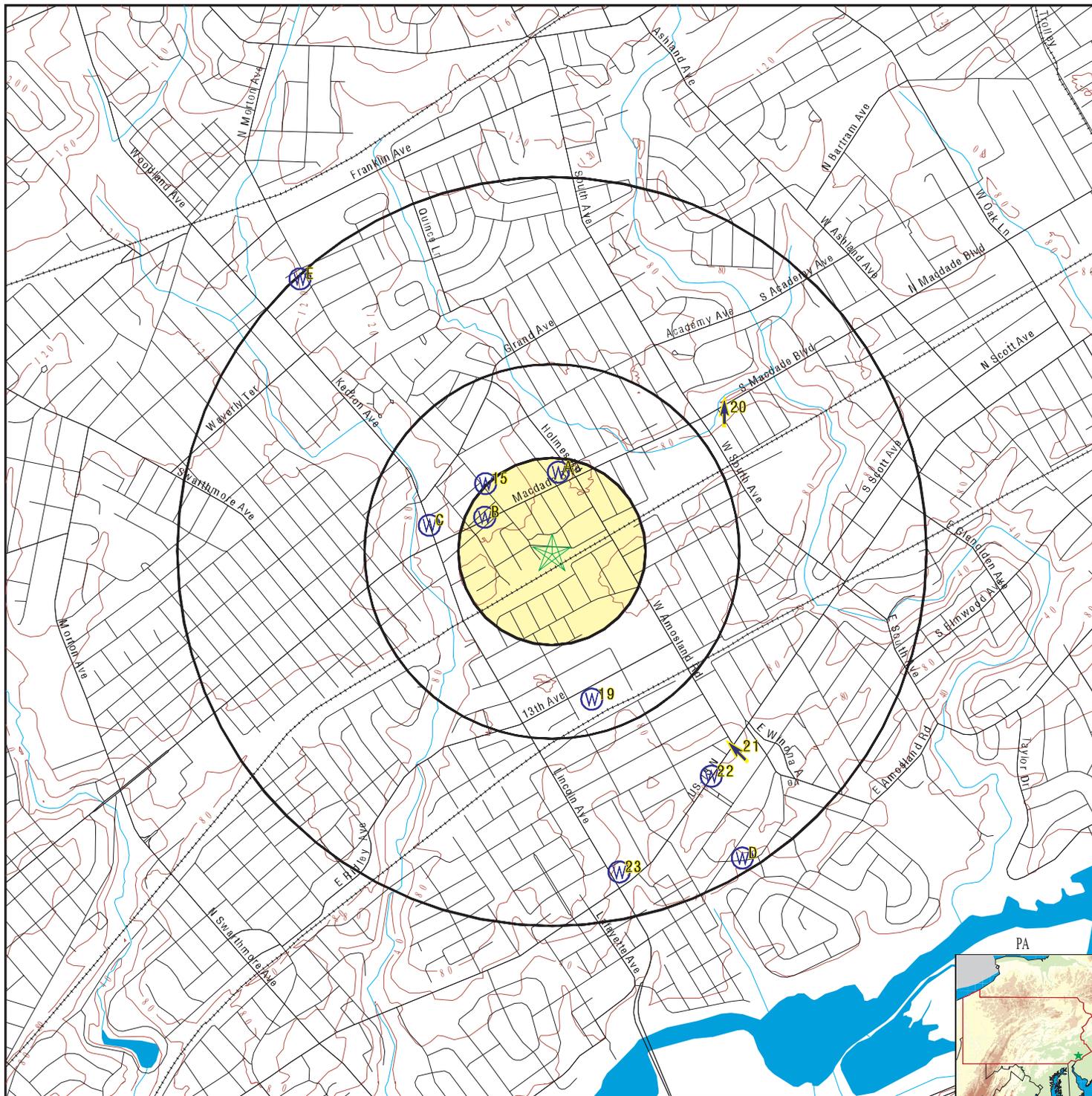
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	PASI60000095596	1/8 - 1/4 Mile North
B2	PASI60000405836	1/8 - 1/4 Mile WNW
B3	PASI60000405887	1/8 - 1/4 Mile WNW
B4	PASI60000405888	1/8 - 1/4 Mile WNW
B5	PASI60000405889	1/8 - 1/4 Mile WNW
B6	PASI60000405837	1/8 - 1/4 Mile WNW
B7	PASI60000405838	1/8 - 1/4 Mile WNW
A8	PASI60000095595	1/8 - 1/4 Mile NNE
B9	PASI60000405890	1/8 - 1/4 Mile WNW
B10	PASI60000405891	1/8 - 1/4 Mile WNW
B11	PASI60000405840	1/8 - 1/4 Mile WNW
B12	PASI60000405839	1/8 - 1/4 Mile WNW
A13	PASI60000095598	1/8 - 1/4 Mile North
A14	PASI60000095597	1/8 - 1/4 Mile North
15	PASI60000405892	1/4 - 1/2 Mile NW
C16	PASI60000095707	1/4 - 1/2 Mile West
C17	PASI60000095705	1/4 - 1/2 Mile WNW
C18	PASI60000095706	1/4 - 1/2 Mile West
22	PASI60000384232	1/2 - 1 Mile SE
23	PASI60000095704	1/2 - 1 Mile SSE
D24	PASI60000394735	1/2 - 1 Mile SSE
D25	PASI60000394733	1/2 - 1 Mile SSE
D26	PASI60000395374	1/2 - 1 Mile SSE
D27	PASI60000395377	1/2 - 1 Mile SSE
D28	PASI60000395376	1/2 - 1 Mile SSE
E29	PASI60000396329	1/2 - 1 Mile NW
E30	PASI60000392727	1/2 - 1 Mile NW
E31	PASI60000396328	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 06545570.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



SITE NAME: 101 Amosland Road
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CLIENT: Earth Engineering Inc.
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 INQUIRY #: 06545570.2r
 DATE: June 21, 2021 7:30 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
North
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000095596

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	95699	Local Well #:	0374N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUN-87
Local Permit #:	Not Reported		
Owner ID:	94998	Ownership Date:	Not Reported
Construction Date:	01-JUN-87	Driller:	188
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Entire Length Cased, Some Sections	Perforated/Slotted	
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	New Well	Original Driller Name:	Not Reported
Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Voumetric, Watch and Bucket		
Discharge:	0.5	Static Water Level (ft):	13.5
Agency Providing Data:	Drillers Record	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Production Water Level (ft):	25.	Drawdown (ft):	11.5
Yield (gmp/ft):	Not Reported	Test Length (min):	0.5
Site Status at Test:	Not Reported	Date Discharged:	01-JUN-87
Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plst;25ft=Sand And Clay		

B2
WNW
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000405836

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	8	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	23-FEB-12
Local Permit #:	Not Reported		
Owner ID:	7469286	Ownership Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B3
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405887

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	12	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	27-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469287	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B4
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405888

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	8	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	23-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469292	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B5
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405889

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	12	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	27-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469293	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B6
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405837

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	8	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	23-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469288	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B7
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405838

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	12	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	27-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469289	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

A8
NNE
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000095595

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	95698	Local Well #:	0373N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUN-87
Local Permit #:	Not Reported		

Owner ID:	94997	Ownership Date:	Not Reported
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Construction Date:	01-JUN-87	Driller:	188
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Entire Length Cased, Some Sections Perforated/Slotted	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	New Well		

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Voumetric, Watch and Bucket	Static Water Level (ft):	14.
Discharge:	0.5	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Agency Providing Data:	Drillers Record	Drawdown (ft):	11.
Production Water Level (ft):	25.	Test Length (min):	0.5
Yield (gmp/ft):	Not Reported	Date Discharged:	01-JUN-87
SiteStatus at Test:	Not Reported		

Lithology:	UNKNOWN	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported

Comments: Cas.Mat=Plt;25ft=Sand And Clay

B9
WNW
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000405890

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	8	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	23-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469294	Ownership Date:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B10
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405891

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	12	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	27-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469295	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B11
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405840

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	13	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	27-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469291	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**B12
WNW
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000405839

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	8	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	23-FEB-12
Local Permit #:	Not Reported		

Owner ID:	7469290	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**A13
North
1/8 - 1/4 Mile
Higher**

PA WELLS PASI60000095598

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	95701	Local Well #:	0376N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUN-87
Local Permit #:	Not Reported		

Owner ID:	95000	Ownership Date:	Not Reported
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Construction Date:	01-JUN-87	Driller:	188
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Entire Length Cased, Some Sections Perforated/Slotted	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	New Well		

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Voumetric, Watch and Bucket	Static Water Level (ft):	10.
Discharge:	0.5	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Agency Providing Data:	Drillers Record	Drawdown (ft):	15.
Production Water Level (ft):	25.	Test Length (min):	0.5
Yield (gmp/ft):	Not Reported	Date Discharged:	01-JUN-87
SiteStatus at Test:	Not Reported		

Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported

Comments: Cas.Mat=Plst;25ft=Sand And Clay

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A14
North
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000095597

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	95700	Local Well #:	0375N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUN-87
Local Permit #:	Not Reported		
Owner ID:	94999	Ownership Date:	Not Reported
Construction Date:	01-JUN-87	Driller:	188
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Entire Length Cased, Some Sections	Perforated/Slotted	
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	New Well	Original Driller Name:	Not Reported
Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Voumetric, Watch and Bucket	Static Water Level (ft):	16.
Discharge:	0.5	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Agency Providing Data:	Drillers Record	Drawdown (ft):	9.
Production Water Level (ft):	25.	Test Length (min):	0.5
Yield (gmp/ft):	Not Reported	Date Discharged:	01-JUN-87
Site Status at Test:	Not Reported		
Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plst;25ft=Sand And Clay		

15
NW
1/4 - 1/2 Mile
Higher

PA WELLS PASI60000405892

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	24-FEB-12
Local Permit #:	Not Reported		
Owner ID:	7469296	Ownership Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site Use: K Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: The Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

C16
West
1/4 - 1/2 Mile
Lower

PA WELLS PASI60000095707

Database: Pennsylvania Groundwater Information System
 GWIS ID: 95810 Local Well #: 0485N
 Aquifer: PENSAUKEN FORMATION Topography: Flat Surface
 Well Depth: 26 Elevation: 0
 Site Type: W Depth to Bedrock: 0
 Saltwater Zone: 0 Date Drilled: 01-OCT-87
 Local Permit #: Not Reported

Owner ID: 95109 Ownership Date: Not Reported

Construction Date: 01-OCT-87 Driller: 1696
 Source of Construction Data: DRILLERS RECORD Construction Method: Not Reported
 How Finished: Finished with Mfg Well Screen
 Driller Well ID: Not Reported Reason Abandoned: Not Reported
 Construction Type: New Well Original Driller Name: Not Reported

Discharge Type: Unknown Data Source: DRILLERS RECORD
 Discharge Measurement Method: Not Reported Discharge: Not Reported
 Static Water Level (ft): Not Reported Agency Providing Data: Drillers Record
 WL Measurement Method: REPORTED, METHOD NOT KNOWN
 Production Water Level (ft): Not Reported Drawdown (ft): Not Reported
 Yield (gmp/ft): Not Reported Test Length (min): Not Reported
 SiteStatus at Test: Not Reported Date Discharged: 01-OCT-87

Lithology: UNKNOWN Contributing Unit: Primary
 Top of Interval: Not Reported Bottom of Interval: Not Reported

C17
WNW
1/4 - 1/2 Mile
Lower

PA WELLS PASI60000095705

Database: Pennsylvania Groundwater Information System
 GWIS ID: 95808 Local Well #: 0483N
 Aquifer: PENSAUKEN FORMATION Topography: Flat Surface
 Well Depth: 26 Elevation: 0
 Site Type: W Depth to Bedrock: 0
 Saltwater Zone: 0 Date Drilled: 01-OCT-87
 Local Permit #: Not Reported

Owner ID: 95107 Ownership Date: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date:	01-OCT-87	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Finished with Mfg Well Screen		
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	New Well	Original Driller Name:	Not Reported

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-OCT-87

Lithology:	UNKNOWN	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

C18
West
1/4 - 1/2 Mile
Lower

PA WELLS PASI60000095706

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	95809	Local Well #:	0484N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	26	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-OCT-87
Local Permit #:	Not Reported		

Owner ID:	95108	Ownership Date:	Not Reported
-----------	-------	-----------------	--------------

Construction Date:	01-OCT-87	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Finished with Mfg Well Screen		
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	New Well	Original Driller Name:	Not Reported

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-OCT-87

Lithology:	UNKNOWN	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

19
SSE
1/4 - 1/2 Mile
Lower

FED USGS USGS40001000742

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	DE 485	Type:	Well
Description:	Not Reported	HUC:	02040202
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19501025
Well Depth:	200	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	1	Level reading date:	1950-10-25
Feet below surface:	13	Feet to sea level:	Not Reported
Note:	Not Reported		

20
NE
1/2 - 1 Mile
Lower

Site ID:	23-43625	AQUIFLOW	31473
Groundwater Flow:	N		
Shallowest Water Table Depth:	5.05		
Deepest Water Table Depth:	7.79		
Average Water Table Depth:	Not Reported		
Date:	04/14/1993		

21
SE
1/2 - 1 Mile
Lower

Site ID:	23-40311	AQUIFLOW	31628
Groundwater Flow:	NW		
Shallowest Water Table Depth:	10.13		
Deepest Water Table Depth:	11.93		
Average Water Table Depth:	Not Reported		
Date:	02/04/1998		

22
SE
1/2 - 1 Mile
Lower

PA WELLS PASI60000384232

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	14	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	16-DEC-10
Local Permit #:	Not Reported		

Owner ID:	7451627	Ownership Date:	Not Reported
-----------	---------	-----------------	--------------

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments: Sunoco At 630 Chester Pike But The Well Is On Private Property, 545 Chester Pike, Which Is Across Rt 13 Chester Pike From The Station In Prospect Park, 545 Prospect Park, Pa

23
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000095704

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	95807	Local Well #:	0480N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	26	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-OCT-87
Local Permit #:	Not Reported		

Owner ID:	95106	Ownership Date:	Not Reported
-----------	-------	-----------------	--------------

Construction Date:	01-OCT-87	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Finished with Mfg Well Screen		
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	New Well	Original Driller Name:	Not Reported

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-OCT-87

Lithology:	UNKNOWN	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

D24
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI600000394735

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	15	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	15-AUG-11
Local Permit #:	Not Reported		

Owner ID:	7446368	Ownership Date:	Not Reported
-----------	---------	-----------------	--------------

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comments: Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

D25
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000394733

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	13	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	15-AUG-11
Local Permit #:	Not Reported		

Owner ID:	7454745	Ownership Date:	Not Reported
-----------	---------	-----------------	--------------

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

D26
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000395374

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	15	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	15-AUG-11
Local Permit #:	Not Reported		

Owner ID:	7453178	Ownership Date:	Not Reported
-----------	---------	-----------------	--------------

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

D27
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000395377

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	16-AUG-11

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local Permit #: Not Reported

Owner ID: 7453179 Ownership Date: Not Reported

Site Use: K Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**D28
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000395376

Database: Pennsylvania Groundwater Information System

GWIS ID: 0 Local Well #: Not Reported

Aquifer: Not Reported Topography: Not Reported

Well Depth: 15 Elevation: 0

Site Type: W Depth to Bedrock: 0

Saltwater Zone: 0 Date Drilled: 15-AUG-11

Local Permit #: Not Reported

Owner ID: 7446432 Ownership Date: Not Reported

Site Use: K Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: Site Is At Otto'S Service Station: 2001 Macdade Blvd., Holmes, Pa

**E29
NW
1/2 - 1 Mile
Higher**

PA WELLS PASI60000396329

Database: Pennsylvania Groundwater Information System

GWIS ID: 0 Local Well #: Not Reported

Aquifer: Not Reported Topography: Not Reported

Well Depth: 15 Elevation: 0

Site Type: W Depth to Bedrock: 0

Saltwater Zone: 0 Date Drilled: 15-JAN-10

Local Permit #: Not Reported

Owner ID: 7451643 Ownership Date: Not Reported

Site Use: K Date of Use: Not Reported
 Water Use: Not Reported Notes: Not Reported

Comments: The Well Is Located At The Old Verizon Property At 200 North Morton Ave. In Morton, Pa.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E30
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000392727

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	15	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	15-JAN-10
Local Permit #:	Not Reported		

Owner ID:	7444323	Ownership Date:	Not Reported
-----------	---------	-----------------	--------------

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Well Is Located At The Old Verizon Property At 200 North Morton Ave. In Morton, Pa.

E31
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000396328

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	15	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	15-JAN-10
Local Permit #:	Not Reported		

Owner ID:	7457740	Ownership Date:	Not Reported
-----------	---------	-----------------	--------------

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Well Is Located At The Old Verizon Property At 200 North Morton Ave. In Morton, Pa.

1G
NE
1/2 - 1 Mile
Lower

Site ID:	23-43625
Groundwater Flow:	N
Shallowest Water Table Depth:	5.05
Deepest Water Table Depth:	7.79
Average Water Table Depth:	Not Reported
Date:	04/14/1993

AQUIFLOW 31473

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

2G
SE
1/2 - 1 Mile
Lower

Site ID: 23-40311
Groundwater Flow: NW
Shallowest Water Table Depth: 10.13
Deepest Water Table Depth: 11.93
Average Water Table Depth: Not Reported
Date: 02/04/1998

AQUIFLOW 31628

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: PA Radon

Radon Test Results

Zipcode	Num Tests	Min pCi/L	Max pCi/L	Avg pCi/L
19043	134	0.3	10.5	2.3

EPA Region 3 Statistical Summary Readings for Zip Code: 19043

Number of sites tested: 51.

Maximum Radon Level: 17.2 pCi/L.

Minimum Radon Level: 0.1 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
49 (96.08%)	1 (1.96%)	1 (1.96%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for DELAWARE County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Pennsylvania Spatial Data Access

Telephone: 610-344-6105

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Pennsylvania Groundwater Information System

Source: Department of Conservation and Natural Resources

Telephone: 717-702-2045

OTHER STATE DATABASE INFORMATION

Pennsylvania Oil and Gas Locations

Source: Pennsylvania Department of Environmental Protection

Telephone: 814-863-0104

An Oil and Gas Location is a DEP primary facility type related to the Oil & Gas Program. The sub-facility types related to Oil and Gas that are included in this layer are: Land Application -- An area where drilling cuttings or waste are disposed by land application; Well-- A well associated with oil and/or gas production; Pit -- An approved pit that is used for storage of oil and gas well fluids. Some sub facility types are not included in this layer due to security policies.

RADON

State Database: PA Radon

Source: Department of Environmental Protection

Telephone: 717-783-3594

Radon Test Results Statistics by Zip Code

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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PARID: 38040019001
 AMOS REALTY LP

PROPERTY LOCATION:
 101 AMOSLAND RD

Parcel

Site Location: 101 AMOSLAND RD
 Legal Description:
 1 STY BLDG
 0.3771 ACRES
 Map Number: 38-10 -737:001
 Municipality: 38 RIDLEY TWP.
 School District: S09 - Ridley
 Property Type: 06 - Ground
 Homestead Status - Next School Bill Cycle: No
 Homestead Status - Current School Bill Cycle: No
 Homestead %
 Homestead Approved Year
 Additional Info: -
 Veteran's Exemption: No

Owner

Name(s) AMOS REALTY LP
 Name(s)
 Care Of
 Mailing Address 126 TALBOT AVE
 Mailing Address
 Mailing Address HOLMES PA 19043

Current Owner

Name AMOS REALTY LP
 Name
 Address 126 TALBOT AVE
 City HOLMES
 State PA
 Zip Code 19043-

Owner History

Owner	Book	Page	Sale Date	Sale Price
AMOS REALTY LP	4294	1756	02-06-2008	295200
101 ASSOCIATES LLC	2102	0514	12-14-2000	215000
SOTIROPOULOS HIPPOCRATES	789	0904	09-10-1990	1
GERMAN RICHARD &	0000	0000	07-27-1973	0

Original Current Year Assessment

Type of Assessment	Assessment Value	Assessment Date	Reason for Change	Comment
06-Ground	\$348,350		-	

County Tax Receivable

Tax Year	Billing Year	Billing Period	Billing Date	Face Amount Due	Discount Posted	Penalty Posted	Fees Posted	Payment Posted	Balance Pay Date	Type
2021	2021	Original	02/01/2021	1,044.70	-20.89			-1,023.81	0.00 04/01/2021	Discount
2020	2020	Original	02/01/2020	985.69		98.57		-1,084.26	0.00 12/14/2020	Penalty
2019	2019	Original	02/01/2019	985.69	-19.71			-965.98	0.00 04/05/2019	Discount

2018	2018	Original	02/01/2018	1,010.78	-20.23	-990.55	0.00	04/05/2018	Discount
2017	2017	Original	02/01/2017	1,010.77	-20.22	-990.55	0.00	03/15/2017	Discount

Delinquent Tax

No Outstanding Delinquent Amounts Found On File

EXCLUDES: Trash, Sewer, and other Local Fees

Tax Sale Information

Status: No Sale Scheduled

Outbuildings and Yard Items

Card #	Line Code	Year Built	Effective Year	Grade	Units	Area	Value	Homestead %
	# PA1-PAVING ASPHALT	1940		C	1	6,000	2,190	0%

Total Value

Total OBY Value 2,190

Commercial

Card 1
 Building Number 1
 Improvement Name FREEDOM MACHINE CORP
 Class -
 Grade C
 Year Built / Effective Year 1940 /
 Living Area / Effective Area 10473 / 0
 Units

Notes COPIED FROM 38040019000

Summary of Interior/Exterior Data

Card	Line Number	Section	From Floor	To Floor	Area
1	1	01	01	01	1,119
1	2	02	01	01	7,410
1	3	03	01	01	1,944

Interior/Exterior Details

Card 1
 Line Number 1
 Section / From Floor / To Floor 01 / 01 / 01
 Use Type 082 - MULTI-USE OFFICE
 Year Built / Effective Year /

Area	1,119
Wall Height / Perimeter	8 / 102
Construction	1 - WOOD FRAME/JOIST/BEAM
Exterior Wall	01 -
% Finished	76
Partition	2 - NORMAL
Heat	2 - HOT WATER/STEAM
Air	1 - CENTRAL
Plumbing	2 - NORMAL
Lighting	-

Other Feature Details

Card	Line #	Code/Description	Measurement 1	Measurement 2	Identical Units
1	1	LD1-LOAD DOCK,ST OR CONC	2226	1	1

PARID: 38040018900
 AMOS REALTY LP

PROPERTY LOCATION:
 101 AMOSLAND RD

Parcel

Site Location: 101 AMOSLAND RD
 Legal Description:
 GRD
 106 X 75
 Map Number: 38-10 -737:000
 Municipality: 38 RIDLEY TWP.
 School District: S09 - Ridley
 Property Type: 02 - Taxable Commercial
 Homestead Status - Next School Bill Cycle: No
 Homestead Status - Current School Bill Cycle: No
 Homestead %
 Homestead Approved Year
 Additional Info: -
 Veteran's Exemption: No

Owner

Name(s) AMOS REALTY LP
 Name(s)
 Care Of
 Mailing Address 126 TALBOT AVE
 Mailing Address
 Mailing Address HOLMES PA 19043

Current Owner

Name AMOS REALTY LP
 Name
 Address 126 TALBOT AVE
 City HOLMES
 State PA
 Zip Code 19043-

Owner History

Owner	Book	Page	Sale Date	Sale Price
AMOS REALTY LP	4294	1756	02-06-2008	64800
101 ASSOCIATES	2102	0514	12-14-2000	1
SOTIROPOULOS HIPPOCRATES	789	0904	09-10-1990	1
GERMAN RICHARD	0033	1658	08-23-1982	1
WEAVER CARROL C & DOROTHY	0000	0000	01-01-1900	0

Original Current Year Assessment

Type of Assessment	Assessment Value	Assessment Date	Reason for Change	Comment
02-Taxable Commercial	\$101,830		-	

County Tax Receivable

Tax Year	Billing Year	Billing Period	Billing Date	Face Amount Due	Discount Posted	Penalty Posted	Fees Posted	Payment Posted	Balance Pay Date	Type
2021	2021	Original	02/01/2021	305.39	-6.11			-299.28	0.00 04/01/2021	Discount
2020	2020	Original	02/01/2020	114.62		11.46		-126.08	0.00 12/14/2020	Penalty

2019	2019	Original	02/01/2019	114.62	-2.29	-112.33	0.00	04/05/2019	Discount
2018	2018	Original	02/01/2018	117.53	-2.36	-115.17	0.00	04/05/2018	Discount
2017	2017	Original	02/01/2017	117.53	-2.36	-115.17	0.00	03/15/2017	Discount

Delinquent Tax

No Outstanding Delinquent Amounts Found On File

EXCLUDES: Trash, Sewer, and other Local Fees

Tax Sale Information

Status: No Sale Scheduled

Commercial

Card 1
 Building Number 1
 Improvement Name
 Class -
 Grade E
 Year Built / Effective Year 1950 /
 Living Area / Effective Area 666 / 0
 Units

Notes

Summary of Interior/Exterior Data

Card	Line Number	Section	From Floor	To Floor	Area
1	1	01	01	01	666

Interior/Exterior Details

Card 1
 Line Number 1
 Section / From Floor / To Floor 01 / 01 / 01
 Use Type 082 - MULTI-USE OFFICE
 Year Built / Effective Year /
 Area 666

Wall Height / Perimeter 7 / 138
 Construction 1 - WOOD FRAME/JOIST/BEAM
 Exterior Wall 02 -
 % Finished 100
 Partition 2 - NORMAL
 Heat 2 - HOT WATER/STEAM
 Air 2 - UNIT
 Plumbing 2 - NORMAL

-

**FINAL REPORT
OF THE
101C AMOSLAND ROAD SITE**

**TMP# 38-10-737-000 and 38-10-737-001
eFACTS Facility ID# 742335**

Ridley Township, Delaware County, Pennsylvania



Prepared for:

**Amos Realty LLP
126 Talbot Avenue
Holmes, PA 19043**

March 2, 2012

Prepared by Philip S. Getty, PG



Prepared by Terry Harris

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APPENDIX III: LABORATORY TEST DATA AND SUMMARY SHEETS

APPENDIX IV: MONITORING WELL WATER ELEVATIONS

APPENDIX V: PNDI SEARCH

APPENDIX VI: QUALIFICATIONS OF ASSESSORS

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1.0 EXECUTIVE SUMMARY

On April 27, 2011, a 1,000 gallon underground fuel oil storage tank was closed in place. Removal of the tank was not an option because a machine shop building with a two foot thick concrete floor and subsurface utilities was constructed over the tank. The tank was reportedly last used in 2009. It is not known when the tank was installed. A total of 975 gallons of fuel oil was pumped out of the tank for disposal off site.

Once cleaned, the bottom of the tank was bored to obtain underlying confirmation soil samples. The soil samples could not be collected because water was encountered flowing from the tank's bedding. A sample of the inflowing water, located immediately below the tank, revealed several compounds which exceeded PA DEP Act II Residential Statewide Health Standards. The tank excavation was then filled with concrete to prevent a health hazard and render the tank inert.

Geoprobos were bored on the site to sample soil around the former tank. The Geoprobos were converted into monitoring wells to obtain samples of shallow groundwater. The geoprobe soil samples and four rounds of groundwater sampling do not indicate any fuel oil contamination of groundwater on the site. With the petroleum source removed, the water contamination noted within the tank bedding is expected to remain isolated and to naturally degrade.

No additional site activities are planned or deemed necessary.

2.0 INTRODUCTION

The site under evaluation is located at 101C Amosland Road, Holmes, PA 19043 in Ridley Township, Delaware County. The site has an eFACTS number of 742335. The site consists of two properties with map numbers of 38-10-737-001 and 38-10-737-000. It is approximately 0.55 acres in size as shown on Figure 1, Appendix I.

The site contains a single story, 8,800 square foot block structure. The remainder of the site consists of paved and gravel parking areas. The northeast side of the structure faces the parking area. The remaining sides of the structure connect to an adjacent building, located on an adjoining parcel. The site has been historically used for light industrial purposes. The building is currently vacant. The site will be utilized for light industrial purposes in the future.

The fuel oil tank was 1,000 gallons in volume and was used to heat the structure until 2009. It is not known when the tank was installed. In-situ closure of the tank was performed in April 2011.

Public water and sewer are available for the site. Aboveground storage tanks currently supply fuel oil to the structure's heating system. The latitude and longitude for the site are 39° 53' 43.83" and 75° 18' 35.66", respectively.

3.0 REMEDIATION STANDARD

Based on the soil and groundwater analysis results, the site meets Pennsylvania Department of Environmental Protection Act II Residential Statewide Health Standard requirements.

4.0 REMEDIAL ACTION

The following Sections, 4.1 through 4.6, provide details concerning remedial activities on the site.

4.1 REMOVAL OF REGULATED SUBSTANCES

On April 27, 2011, a total of 975 gallons of fuel oil were pumped out of the tank for disposal off site. No significant water was encountered in the tank. The tank's interior was wiped clean of product so that no liquid remained in the tank.

Once the tank was cleaned, a hole was bored in its bottom to collect a confirmation soil sample from immediately below the tank. Water entering the tank from the hole prevented collection of a soil sample. The water entering the tank was collected for laboratory analysis and the hole sealed. The water did not indicate that free product was present but the water had a petroleum odor. The water was analyzed for fuel oil #2 components. The analysis revealed levels of 1,2,4-Trimethyl Benzene, 1,3,5-Trimethyl Benzene, Benzene and Naphthalene exceeding Act 2 Residential Statewide Health Standards. To determine if the water contamination was confined to the bedding of the tank, five shallow groundwater table geoprobe soil boring / monitoring wells were installed on the site. The geoprobe / monitoring well findings are discussed in Sections 4.3 and 4.4, respectively. Laboratory analysis results can be found in Appendix III.

4.2 GEOPHYSICAL SURVEY

No known underground storage tanks remain on the site. There are no current plans for expansion of the existing structure or change in site use. Oil contamination is not readily

identifiable via geophysical methods. Thus, geophysical surveying was not considered necessary and was not performed.

4.3 SOIL BORINGS

Five geoprobe soil borings, with continuous recovery, were performed on the site. The borings were installed to confirm the water contamination noted directly beneath the tank was isolated to the bedding of the tank and had not impacted nearby soils or the shallow groundwater table. Boring #1 was installed north of the tank for eventual use as the up gradient well. The remainder of the borings were installed south of the tank; being hydraulically down gradient. Placement of the probes was severely restricted due to the presence of the structure which was built over the tank, the underground utilities within the structure's concrete floor, the adjoining building and a heavy steel plate located at the east corner of the structure. See Figure 2 in Appendix I for the underground obstructions.

Geoprobes were able to reach depths of 14.5 to 17.5 feet, after penetrating the first ground water table. Soils retrieved from the Geoprobes were screened with a photo ionization detector (PID). No elevated PID readings, or olfactory indications of petroleum contamination, were noted in any of the borings. Representative soil samples were collected, generally from the middle of the probes where the groundwater table was most often present, and sent to a certified laboratory for analysis. Samples were analyzed for fuel oil #2 components. Locations of the probes are presented on Figure 2 in Appendix I. Logs and soil analysis results are found in Appendix II and III, respectively.

No fuel oil components were detected in any of the soils from the borings. The results do not indicate any significant soil contamination associated with the underground storage tank.

The soils originate from unconsolidated Tertiary Age sands and gravels which overlay the Wissahickon Schists. This results in thick soils with bedrock not being an influence on the hydrogeology of this situation.

4.4 MONITORING WELLS

The five Geoprobes were developed into shallow monitoring wells. Logs of the wells are presented in Appendix II.

Four sample rounds were conducted in 2011. Prior to sampling, the depth to ground water was measured in each of the wells. The measurements were used to determine the amount of water in the wells to be purged. Each well was then purged of the equivalent of three volumes of water or until the well was dry. Water samples were sent to a state certified lab and analyzed for fuel oil #2 components.

No fuel oil #2 components were detected in any of the monitoring wells during the four sample rounds. No free product or sheen was noted in any samples or purge water. The laboratory reports and summary table are presented in Appendix III.

The depth to ground water measurements were used to develop ground water contour maps, Figures 3A-3D, Appendix 1. The maps show that the monitoring wells are well positioned to intercept a potential contamination plume should it have flowed from the tank.

The lack of a plume indicates that there is minimal water movement from under the tank relative to degradation effects. The only other explanation would be that the plume has not had time to expand to the monitoring wells. To confirm that enough time has passed for any potential contamination in the shallow ground water to reach the monitoring wells, a BIOSCREEN groundwater model was prepared. The model is presented in Appendix VI. Benzene was modeled since its observed concentration would be high enough to migrate to the nearby monitoring wells if it represented the actual concentration in the shallow groundwater table. The model predicts a seepage velocity of 77.6 feet per year and a plume length of greater than 40 feet. Monitoring Well #4 is 25 feet hydraulically downgradient of the tank. Therefore, if the contamination had impacted the shallow groundwater table the day the tank was closed in place, the contamination plume would have reached Monitoring Well #4 within four months. Since no contamination has been detected in Monitoring Well #4 during the eight month sampling period, this verifies that the water contamination noted immediately under the tank is confined to the tank bedding area and has not impacted the shallow groundwater table.

4.5 SOIL REMEDIATION

There were no indications of soil contamination associated with the geoprobe work. Shallow groundwater analysis results do not indicate soil contamination being present at significant concentrations upgradient of the wells to cause oil to enter into solution.

4.6 GROUNDWATER REMEDIATION

Well monitoring does not show any indication of shallow groundwater contamination on the site. Water contamination noted immediately below the storage tank is isolated and is not impacting the shallow groundwater table. The area where the former tank exists is covered by concrete. This impervious cap prevents precipitation from pushing potential contamination to deeper groundwater zones. Thus, the limited, isolated water contamination, noted at the tank, is expected to remain immobile and naturally degrade. Thus, no groundwater remediation is necessary.

5.0 RISK ASSESSMENT

The following Sections 5.1 through 5.7 provide details concerning the risk assessment.

5.1 POTENTIAL EXPOSURE PATHWAYS

Although soil and groundwater sampling did not reveal contamination exceeding Act 2 Residential Statewide Health Standards, the risk assessment is being provided due to the water contamination noted immediately below the tank. Potential exposure pathways addressed in this report are: exposure during soil and groundwater sampling, soil vapor migration into indoor air, surface water discharges, impacts to ecological receptors and potable water supplies. The following sections address these issues.

5.2 WORKER HEALTH AND SAFETY

Prior to any subsurface excavation or drilling, the Pennsylvania One Call was contacted to identify public underground utilities. During boring and drilling, hardhats and hearing protection were utilized. All soil cuttings from borings and drilling were handled with latex gloves. Cuttings were collected and stored on site until all drilling and soil analysis was completed. None of the soil samples revealed contamination that exceeded Act 2 Residential Statewide Health Standards. Based on the laboratory results, temporarily stored soils from the Geoprobes can be returned to lawn portions of the site.

Prior to the initial sampling of each monitoring well, a cleaned interface bailer was used to determine if free product was present. The lack of any detectable free product

significantly reduces the potential for fire and explosion incidents. Latex gloves were used to handle all unwashed equipment. Traffic cones were employed as needed to direct vehicles away from work areas. Purged waters from monitoring well sampling were passed through activated carbon filters with the water discharged to grassed portions of the site. The carbon filter continues to be used by **Boucher & James, Inc.** on other projects until it reaches capacity whereupon it will be properly recycled / rejuvenated.

5.3 INDOOR AIR QUALITY

The Vapor Intrusion section of the Land Recycling Manual was utilized to address potential indoor air quality concerns. Figure 1 of GW IAQ Decision Matrix asks if groundwater contamination exceeds the Statewide Health Standard within 100 feet of an inhabited building. Although quarterly sampling did not reveal groundwater contamination exceeding the Act 2 Residential Statewide Health Standard, the water sample from immediately beneath the tank did have parameters which exceeded the Act 2 Residential Statewide Health Standards. No SPL or Preferential Pathways into the building are known to exist. The water in the tank bedding is located approximately six feet below the building's concrete floor. Geoprobes did not reveal sand like soil material on the site. The access hole through the cement floor, utilized to close the tank, was filled with concrete following the tank closure. Comparing each constituent to the options listed in Figure 1 of the Vapor Intrusion guidance, each constituent's pathway is incomplete, presenting negligible risk to indoor air quality.

5.4 SURFACE WATER IMPACT

Quarterly monitoring of the shallow groundwater does not reveal any indication of petroleum contamination. There are no surface water discharges on the study site. Therefore, there are no impacts to surface waters.

5.5 IMPACTS TO ECOLOGICAL RECEPTORS

Quarterly monitoring of the shallow groundwater does not reveal any indication of petroleum contamination. Access to the subsurface is limited, due to the majority of the site

being paved or occupied by the structure. Based on site conditions, there are no identified impacts to ecological receptors.

5.6 WATER SUPPLIES / GROUNDWATER USE DETERMINATION

The site and surrounding area are supplied with public water. There are no private supply wells on the site and sampling of the monitoring wells does not indicate any contamination in the shallow groundwater table. The location of the tank is entirely covered by the building/concrete. This impervious cover prevents the infiltration of precipitation and the possible migration of contaminants into a deeper aquifer. There are no anticipated impacts to water supplies due to the lack of groundwater contamination on the site.

5.7 FATE AND TRANSPORT ANALYSIS

A Bioscreen Model was discussed in Section 4.4 to show there has been no impact to the shallow groundwater table. Based on the lack of groundwater contamination, no fate and transport analysis is required.

6.0 CONCLUSIONS

On April 27, 2011 work began on closure of a 1,000 gallon underground fuel oil storage tank. The tank was closed in place, due to its location underneath the structure on the site. The tank was reportedly last used in 2009. It is not known when the tank was installed. A total of 975 gallons of fuel oil was pumped out of the tank for disposal off site.

Once cleaned, the bottom of the tank was bored in an attempt to obtain confirmation soil samples. These could not be gathered due to water in the tank's bedding entering the borehole from below the tank. A sample of the water immediately below the tank revealed several compounds which exceeded the PA DEP Act II Residential Statewide Health Standards.

Geoprobe were installed on the site to confirm the water contamination noted immediately below the tank was isolated and did not represent the shallow groundwater table. The Geoprobe included confirmation soil samples and the Geoprobe were converted into monitoring wells. The soil samples from the Geoprobe, as well as four rounds of groundwater sampling, do not indicate any soil or groundwater contamination on the site. With the petroleum source removed, the water

contamination noted within the tank bedding is expected to remain isolated and will naturally degrade.

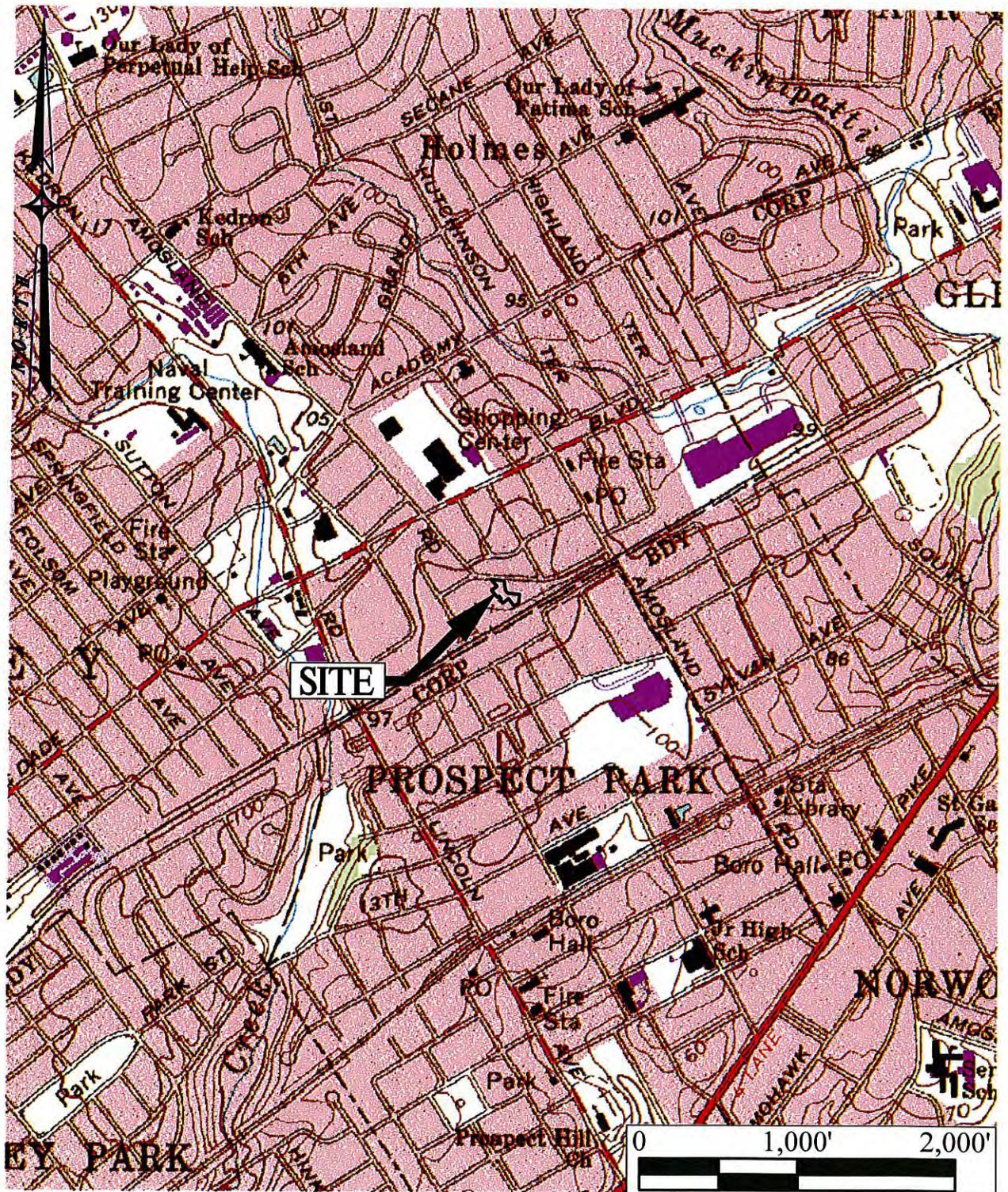
No additional site activities are planned or deemed necessary.

7.0 POST REMEDIATION CARE PLAN

Since no petroleum components were detected in the soil or groundwater samples and the tank has been filled with concrete and is overlain with two feet of reinforced concrete flooring, no post remediation care plan is required.

APPENDIX I

FIGURES



Base Map Of USGS 7.5 Minute
Lansdown, PA Quadrangle 1994
Photo Rev. 1994

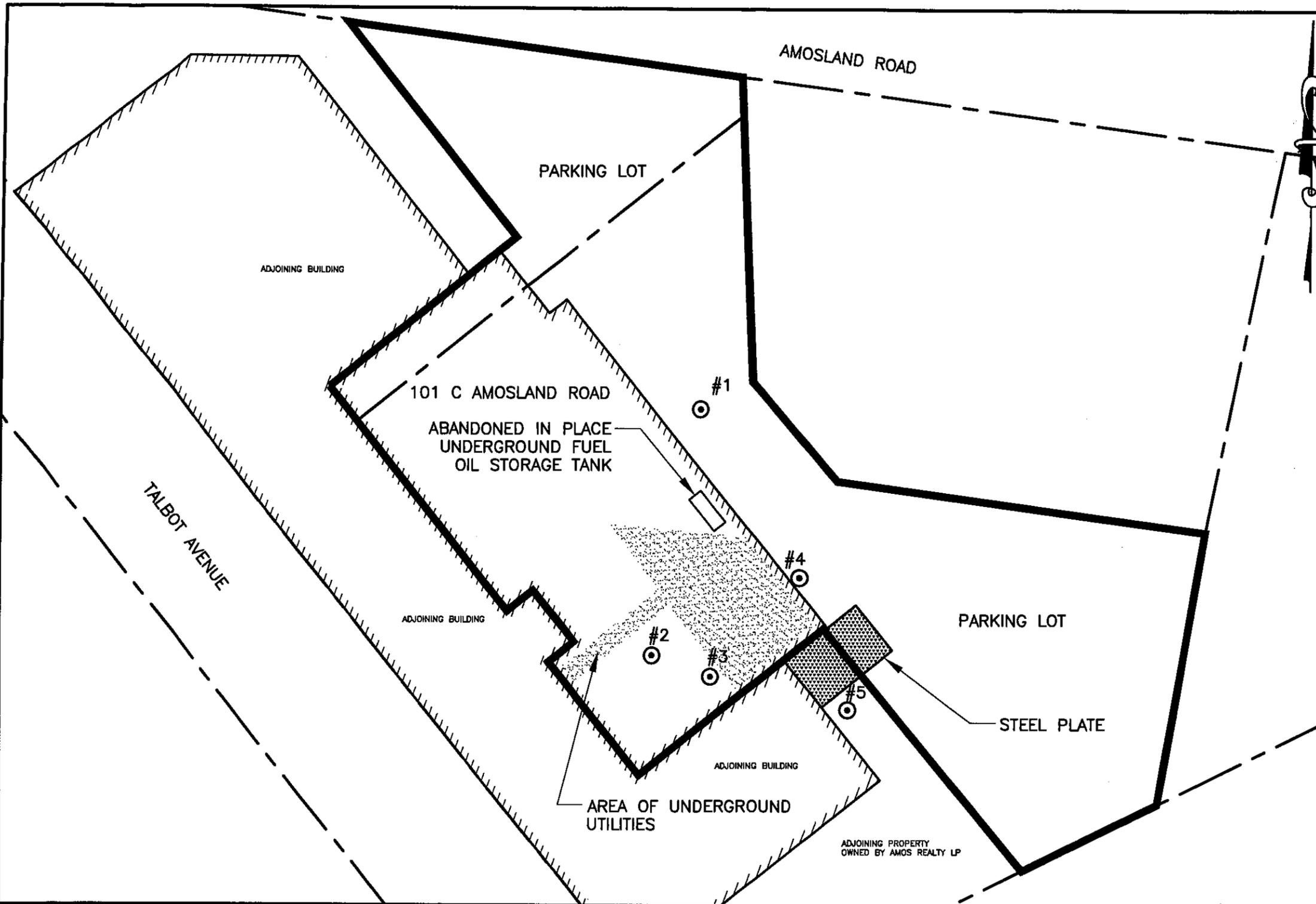
Figure 1
Location Map

Boucher & James, Inc.
1456 Ferry Road, Building 500
Doylestown, Pennsylvania 18901



Ridley Township
Delaware County

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LEGEND

- PROPERTY LINE
- MONITORING WELL
- BUILDING EDGE
- SITE BOUNDARY / PROPERTY LINE

PROJECT :
101C AMOSLAND ROAD
 RIDLEY TOWNSHIP
 DELAWARE COUNTY

APPLICANT :

JOB NO.:
072453B

DRAWN BY:
 TLH

CHECKED BY:
 PSG

SCALE:
 1" = 30'

PLAN STATUS:
FINAL

TITLE :
FIGURE 2 - SITE FEATURES

Boucher & James, Inc.
 CONSULTING ENGINEERS
 DOYLESTOWN STROUDSBURG MORGANTOWN

CORP. HQ: 1456 FERRY RD, BUILDING 500, DOYLESTOWN, PA. 18901
 VOICE: (215) 345-9400 FAX: (215) 345-9401

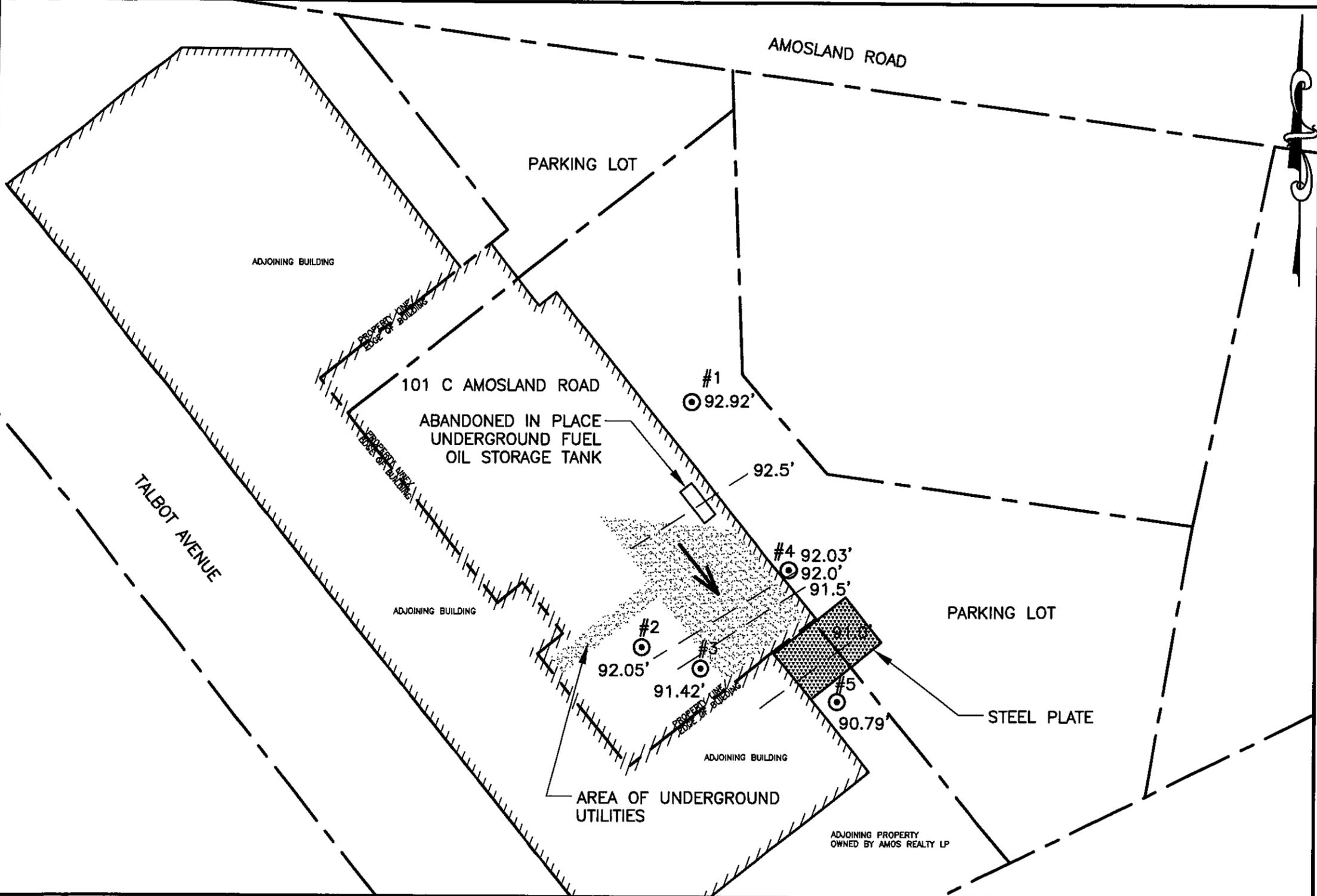
 www.bjengineers.com

PROJECT NAME :
101C AMOSLAND ROAD SITE

SHEET
1 OF 1

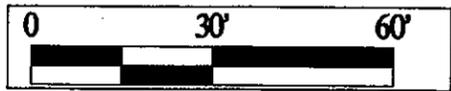
DATE:
AUGUST 22, 2011

P:\2007\072453\dwg\Fig2andup.dwg || Tabname :Figure 3A - 6-3-11 || Feb 22, 2012 - 9:23am || THarris



LEGEND

- PROPERTY LINE
- #2 92.93' MONITORING WELL WITH GROUNDWATER ELEVATION
- BUILDING EDGE
- 91' GROUNDWATER CONTOUR



PROJECT :
101C AMOSLAND ROAD
 RIDLEY TOWNSHIP
 DELAWARE COUNTY

APPLICANT :

JOB NO.:
072453B

DRAWN BY:
 TLH

CHECKED BY:
 PSG

SCALE:
 1" = 30'

PLAN STATUS:
FINAL

TITLE :
FIGURE 3A - JUNE 3, 2011

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 CONSULTING ENGINEERS
 DOYLESTOWN STROUDSBURG MORGANTOWN

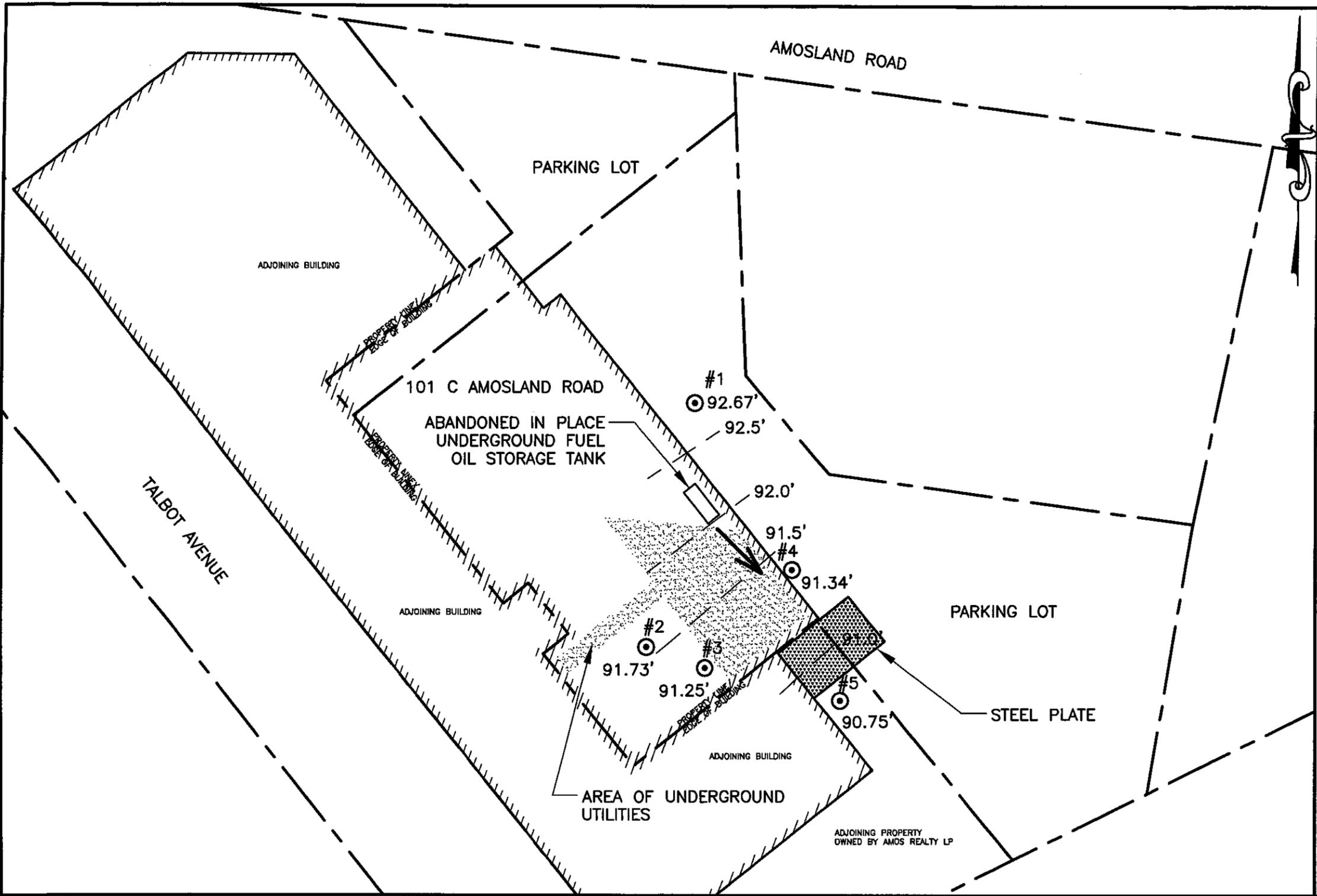
CORP. HQ: 1456 FERRY RD, BUILDING 500, DOYLESTOWN, PA. 18901
 VOICE: (215) 345-9400 FAX: (215) 345-9401
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PROJECT NAME :
101C AMOSLAND ROAD SITE

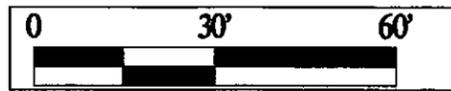
SHEET
1 OF 1

DATE:
 AUGUST 22, 2011

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LEGEND	
	PROPERTY LINE
	MONITORING WELL WITH GROUNDWATER ELEVATION
	BUILDING EDGE
	GROUNDWATER CONTOUR



PROJECT :
101C AMOSLAND ROAD
 RIDLEY TOWNSHIP
 DELAWARE COUNTY

APPLICANT :

JOB NO.:
072453B

DRAWN BY:
 TLH

CHECKED BY:
 PSG

SCALE:
 1" = 30'

PLAN STATUS:
FINAL

TITLE :
FIGURE 3B - JUNE 28, 2011

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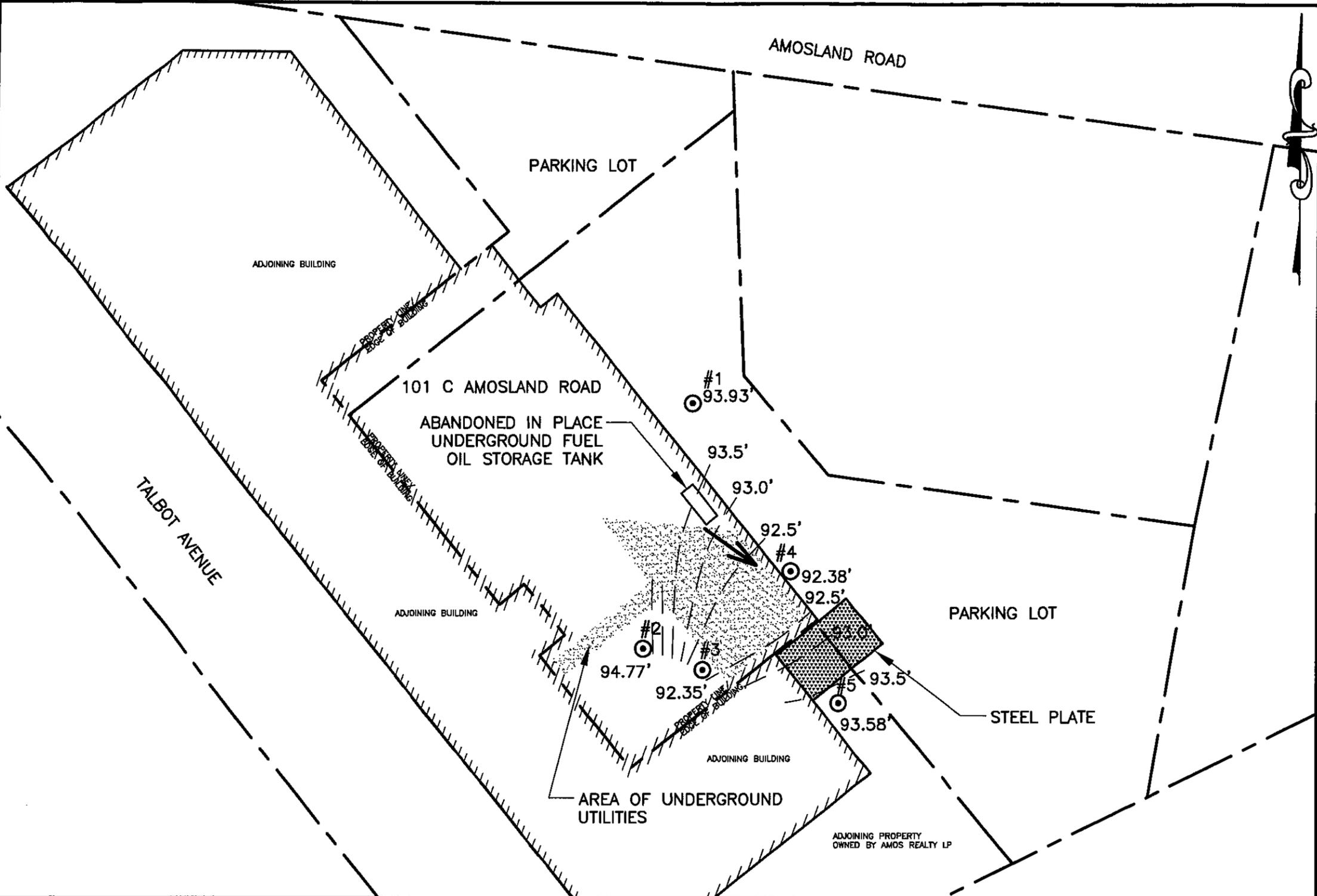
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SHEET
1 OF 1

PROJECT NAME :
101C AMOSLAND ROAD SITE

DATE:
 AUGUST 22, 2011

P:\2007\072453\dwg\Fig2andup.dwg || Tabname :Figure 3C - 9-28-11 || Feb 22, 2012 - 9:23am || THarris



LEGEND

- PROPERTY LINE
- #2 92.93' MONITORING WELL WITH GROUNDWATER ELEVATION
- BUILDING EDGE
- 91' GROUNDWATER CONTOUR

0 30' 60'

PROJECT :
101C AMOSLAND ROAD
 RIDLEY TOWNSHIP
 DELAWARE COUNTY

APPLICANT :

JOB NO.:
072453B

DRAWN BY:
 TLH

CHECKED BY:
 PSG

SCALE:
 1" = 30'

PLAN STATUS:
FINAL

TITLE :
FIGURE 3C - September 28, 2011

Boucher & James, Inc.
 CONSULTING ENGINEERS
 DOYLESTOWN STROUDSBURG MORGANTOWN

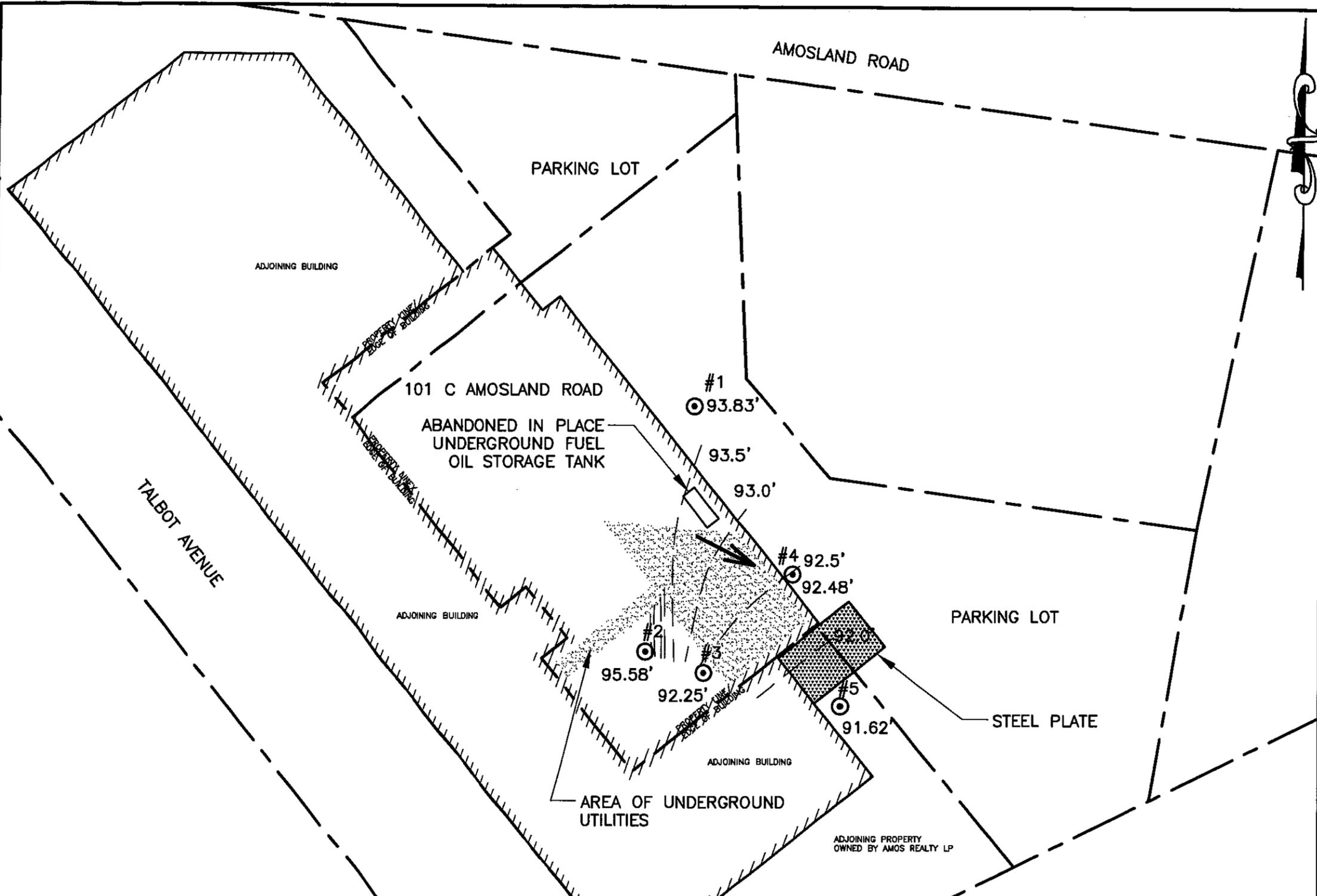
CORP. HQ: 1456 FERRY RD, BUILDING 500, DOYLESTOWN, PA. 18901
 VOICE: (215) 345-9400 FAX: (215) 345-9401

PROJECT NAME :
101C AMOSLAND ROAD SITE

SHEET
1 OF 1

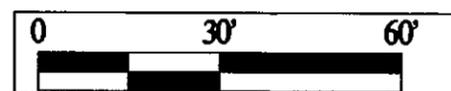
DATE:
AUGUST 22, 2011

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LEGEND

- PROPERTY LINE
- #2 92.93' MONITORING WELL WITH GROUNDWATER ELEVATION
- BUILDING EDGE
- 91' GROUNDWATER CONTOUR



PROJECT :
101C AMOSLAND ROAD
 RIDLEY TOWNSHIP
 DELAWARE COUNTY

APPLICANT :

JOB NO.:
072453B

TITLE :
 DRAWN BY: TLH
 CHECKED BY: PSG
 SCALE: 1" = 30'

PLAN STATUS:
FINAL

FIGURE 3D - December 14, 2011

Boucher & James, Inc.
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 VOICE: (215) 345-9400 FAX: (215) 345-9401
 www.bjengineers.com

SHEET
1 OF 1

PROJECT NAME :
101C AMOSLAND ROAD SITE

DATE:
AUGUST 22, 2011

APPENDIX II

MONITORING WELL LOGS

GEOPROBE WELL # 1
DRILLING LOG

WELL SUMMARY:

Project: 101C Amosland Road Site
 Well Location: 101C Amosland Road
 Date Drilled: May 18, 2011
 Driller: EPI
 Type Drilling Rig: Geoprobe
 B&J Personnel: TLH

Total Depth (feet Below Grade (B.G.)): 15'
 Water Level (Ft.BTC)/Date Measured: 5.16' / 6-28-11
 Elevation Top Casing (Local Datum): 97.83'
 Casing & Screen Diameter / Material: 1" / PVC
 Solid Casing Interval: 0' to 2' B.G.
 Screened Casing Interval: 2' to 15' B.G.

Well / Geology Schematic

Geology

Asphalt/Gravel: 0" - 6"
 Gravel: 6" - 16"

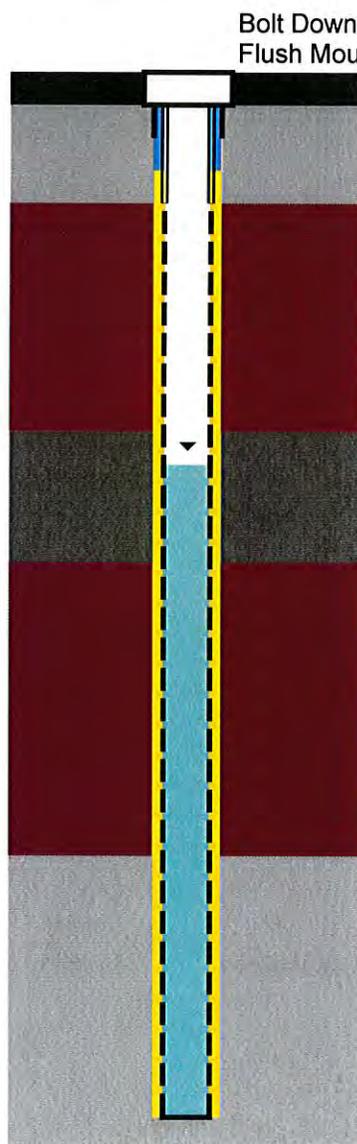
Light Tan Clay Loam: 16" - 64"

Dark Gray Clay Loam: 64" - 80"

Light Tan Clay Loam: 80" - 10'

Variegated Saprolite: 10' - 15'

(Not to Scale)



Bolt Down Lid and Locking Cap
 Flush Mount Cap

Concrete Grout 0' to 1' B.G.

#20 Clean Sand Pack 1' to bottom

No petroleum odors or elevated PID readings, representative soil sample collected from 7.5' depth.

Soils moist 64" - 80"

Capped end

GEOPROBE WELL # 2
DRILLING LOG

WELL SUMMARY:

Project: 101C Amosland Road Site
Well Location: 101C Amosland Road
Date Drilled: May 18, 2011
Driller: EPI
Type Drilling Rig: Geoprobe
B&J Personnel: TLH

Total Depth (feet Below Grade (B.G.)): 14.5'
Water Level (Ft.BTC)/Date Measured: 8.29' / 6-28-11
Elevation Top Casing (Local Datum): 100.02'
Casing & Screen Diameter / Material: 1" / PVC
Solid Casing Interval: 0' to 2' B.G.
Screened Casing Interval: 2' to 14.5' B.G.

Well / Geology Schematic

Geology

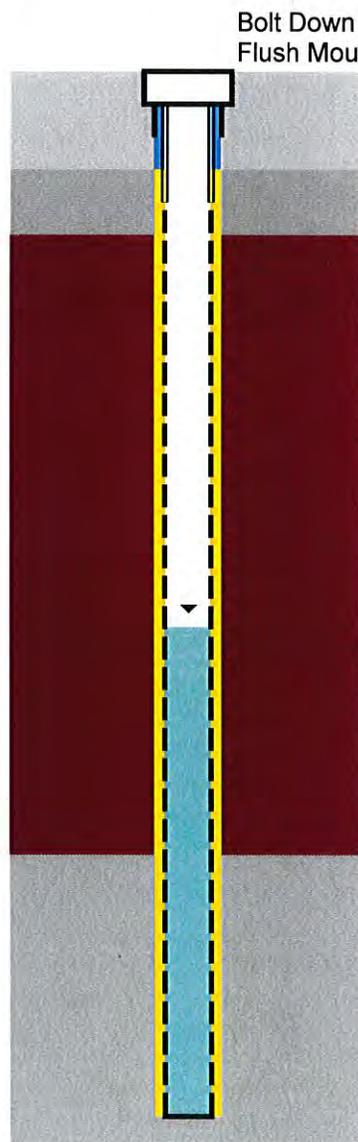
Concrete: 0" - 24"

Gravel: 24" - 33"

Light Tan Clay Loam: 33" - 10'

Variegated Saprolite: 10' - 15'

(Not to Scale)



Bolt Down Lid and Locking Cap
Flush Mount Cap

Concrete Grout 0' to 1' B.G.

#20 Clean Sand Pack 1' to bottom

No petroleum odors or elevated PID readings, representative soil sample collected from 7.5' depth.

Soils moist 33" - 10'

Capped end

GEOPROBE WELL # 3
DRILLING LOG

WELL SUMMARY:

Project: 101C Amosland Road Site
Well Location: 101C Amosland Road
Date Drilled: May 18, 2011
Driller: EPI
Type Drilling Rig: Geoprobe
B&J Personnel: TLH

Total Depth (feet Below Grade (B.G.)): 17.5'
Water Level (Ft.BTC)/Date Measured: 8.75' / 6-28-11
Elevation Top Casing (Local Datum): 100.00'
Casing & Screen Diameter / Material: 1" / PVC
Solid Casing Interval: 0' to 2' B.G.
Screened Casing Interval: 2' to 17.5' B.G.

Well / Geology Schematic

Geology

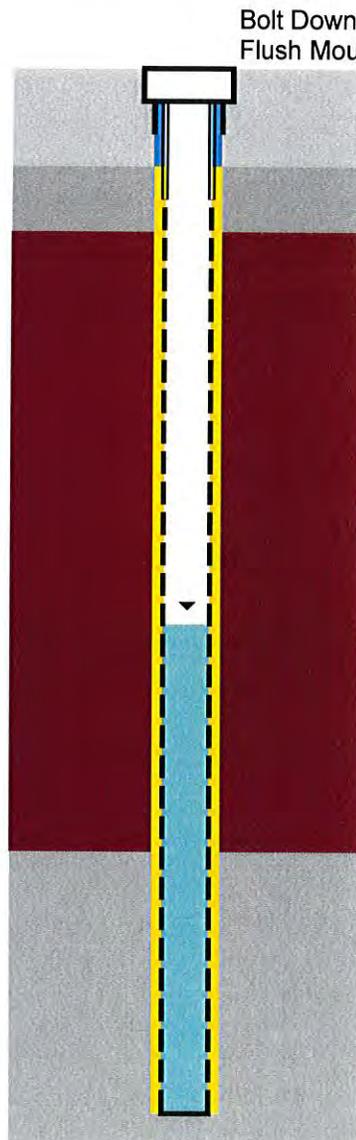
Concrete: 0" - 24"

Gravel: 24" - 40"

Light Tan Clay Loam: 40" - 11'

Variegated Saprolite: 11' - 17.5'

(Not to Scale)



Bolt Down Lid and Locking Cap
Flush Mount Cap

Concrete Grout 0' to 1' B.G.

#20 Clean Sand Pack 1' to bottom

No petroleum odors or elevated PID readings, representative soil sample collected from 7.5' depth.

Soils moist 40" - 11'

Capped end

GEOPROBE WELL # 4
DRILLING LOG

WELL SUMMARY:

Project: 101C Amosland Road Site
Well Location: 101C Amosland Road
Date Drilled: June 3, 2011
Driller: EPI
Type Drilling Rig: Geoprobe
B&J Personnel: PSG

Total Depth (feet Below Grade (B.G.)): 14.5'
Water Level (Ft.BTC)/Date Measured: 6.14' / 6-28-11
Elevation Top Casing (Local Datum): 97.48'
Casing & Screen Diameter / Material: 1" / PVC
Solid Casing Interval: 0' to 2' B.G.
Screened Casing Interval: 2' to 14.5' B.G.

Well / Geology Schematic

Geology

Asphalt/Gravel: 0" - 18"

Grey Clay: 18" - 6'

Variegated Saprolite: 6' - 14.5'

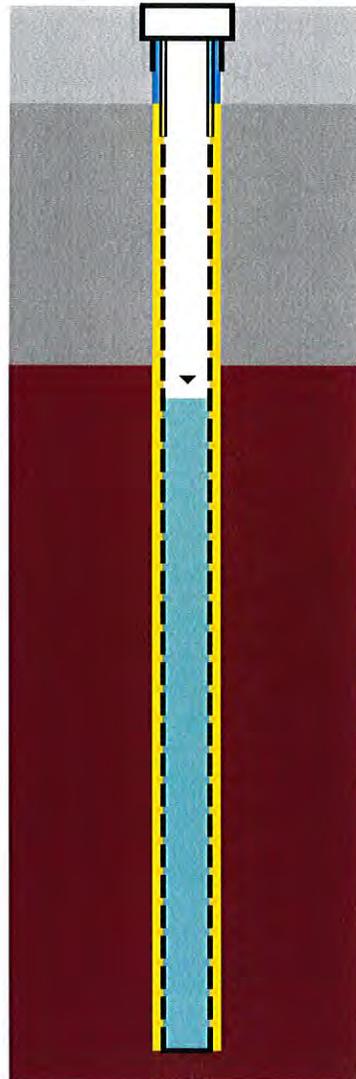
Bolt Down Lid and Locking Cap
Flush Mount Cap

Concrete Grout 0' to 1' B.G.

#20 Clean Sand Pack 1' to bottom

No petroleum odors or elevated PID readings, representative soil sample collected from 8.5' depth.

Soils moist to wet 1.5' - 14.5'



Capped end

(Not to Scale)

GEOPROBE WELL # 5
DRILLING LOG

WELL SUMMARY:

Project: 101C Amosland Road Site
Well Location: 101C Amosland Road
Date Drilled: June 3, 2011
Driller: EPI
Type Drilling Rig: Geoprobe
B&J Personnel: PSG

Total Depth (feet Below Grade (B.G.)): 14.5'
Water Level (Ft.BTC)/Date Measured: 6.27' / 6-28-11
Elevation Top Casing (Local Datum): 97.02'
Casing & Screen Diameter / Material: 1" / PVC
Solid Casing Interval: 0' to 2' B.G.
Screened Casing Interval: 2' to 14.5' B.G.

Well / Geology Schematic

Geology

Gravel: 0" - 18"

Gray Clay: 18" - 3'

Brown Silt Loam: 3' - 7'

Silty Clay: 7' - 14.5'

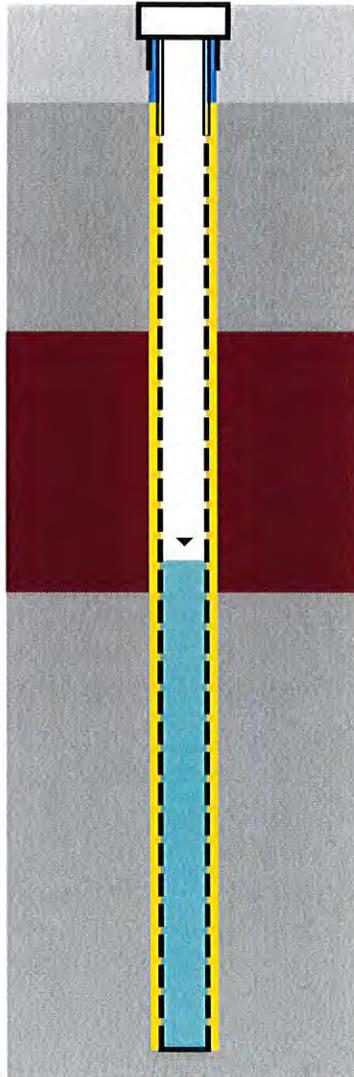
Bolt Down Lid and Locking Cap
Flush Mount Cap

Concrete Grout 0' to 1' B.G.

#20 Clean Sand Pack 1' to bottom

No petroleum odors or elevated PID readings, representative soil sample collected from 10' depth.

Soils moist 9' - 14.5'



(Not to Scale)

Capped end

APPENDIX III

LABORATORY TEST DATA AND SUMMARY SHEETS

SUMMARY OF SAMPLING RESULTS - WATER, TANK CLOSURE SAMPLING
101 C AMOSLAND ROAD

Samples Collected on >>> 4/28/2011

Analyte or Parameter	Test Units	PA DEP Limit	PA DEP Cleanup Criteria*	Sample Tank Base (TB-1)	
				Actual Result	Variation From Limit
For #2 Fuel Oil					
Trimethyl Benzene, 1,2,4	ug/L (ppb)	15	Resid. Aquifer	330.0	Unacceptable
Trimethyl Benzene, 1,3,5	ug/L (ppb)	13	Resid. Aquifer	78.0	Unacceptable
Benzene	ug/L (ppb)	5	Resid. Aquifer	56.0	Unacceptable
Ethyl benzene	ug/L (ppb)	700	Resid. Aquifer	150.0	Clean
Isopropylbenzene	ug/L (ppb)	840	Resid. Aquifer	41.0	Clean
Naphthalene	ug/L (ppb)	100	Resid. Aquifer	330.0	Unacceptable
Toluene	ug/L (ppb)	1,000	Resid. Aquifer	97.0	Clean
MTBE	ug/L (ppb)	20	Resid. Aquifer	ND	Clean

*Used Cleanup Limit for Residential Aquifer / Generic
 Isopropylbenzene = Cumene
 MTBE = Methyl-tert-butyl ether

ND=Not Detected Within Lower Detection Limit of Equipment
 (See Lab Reports for L.D.L.)

SUMMARY OF SAMPLING RESULTS - SOILS: SOIL TO GROUNDWATER
101 C AMOSLAND ROAD

Samples Collected on >>>

5/18/2011

5/18/2011

5/18/2011

Analyte or Parameter	Test Units	PA DEP Limit	PA DEP Cleanup Criteria*	Geoprobe 1 (7.5')		Geoprobe 2 (7.5')		Geoprobe 3 (7.5')	
				Actual Result	Variation From Limit	Actual Result	Variation From Limit	Actual Result	Variation From Limit

Trimethyl Benzene, 1,2,4	ug/kg (ppb)	8,400	Soil to GWater	ND	Clean	ND	Clean	ND	Clean
Trimethyl Benzene, 1,3,5	ug/kg (ppb)	2,300	Soil to GWater	ND	Clean	ND	Clean	ND	Clean
Benzene	ug/kg (ppb)	500	Soil to GWater	ND	Clean	ND	Clean	ND	Clean
Ethyl benzene	ug/kg (ppb)	70,000	Soil to GWater	ND	Clean	ND	Clean	ND	Clean
Isopropylbenzene	ug/kg (ppb)	600,000	Soil to GWater	ND	Clean	ND	Clean	ND	Clean
Naphthalene	ug/kg (ppb)	25,000	Soil to GWater	ND	Clean	ND	Clean	ND	Clean
Toluene	ug/kg (ppb)	100,000	Soil to GWater	ND	Clean	ND	Clean	ND	Clean
MTBE	ug/kg (ppb)	2,000	Soil to GWater	ND	Clean	ND	Clean	ND	Clean

Samples Collected on >>>

6/3/2011

6/3/2011

Analyte or Parameter	Test Units	PA DEP Limit	PA DEP Cleanup Criteria*	Geoprobe 4 (8.5')		Geoprobe 5 (10')	
				Actual Result	Variation From Limit	Actual Result	Variation From Limit

Trimethyl Benzene, 1,2,4	ug/kg (ppb)	8,400	Soil to GWater	ND	Clean	ND	Clean
Trimethyl Benzene, 1,3,5	ug/kg (ppb)	2,300	Soil to GWater	ND	Clean	ND	Clean
Benzene	ug/kg (ppb)	500	Soil to GWater	ND	Clean	ND	Clean
Ethyl benzene	ug/kg (ppb)	70,000	Soil to GWater	ND	Clean	ND	Clean
Isopropylbenzene	ug/kg (ppb)	600,000	Soil to GWater	ND	Clean	ND	Clean
Naphthalene	ug/kg (ppb)	25,000	Soil to GWater	ND	Clean	ND	Clean
Toluene	ug/kg (ppb)	100,000	Soil to GWater	ND	Clean	ND	Clean
MTBE	ug/kg (ppb)	2,000	Soil to GWater	ND	Clean	ND	Clean

*Used Cleanup Limit for Residential Aquifer / Generic

ND=Not Detected Within Lower Detection Limit of Equipment (See Lab Reports for L.D.L.)

Isopropylbenzene = Cumene
 MTBE = Methyl-tert-butyl ether

SUMMARY OF SAMPLING RESULTS - MONITORING WELLS
101 C AMOSLAND ROAD

Samples Collected on >>>				5/18/2011		5/18/2011		5/18/2011		6/3/2011		6/3/2011	
Analyte or Parameter	Test Units	PA DEP Limit	PA DEP Cleanup Criteria*	Monitoring Well #1		Monitoring Well #2		Monitoring Well #3		Monitoring Well #4		Monitoring Well #5	
				Actual Result	Variation From Limit								
For #2 Fuel Oil													
Trimethyl Benzene, 1,2,4	ug/L (ppb)	15	Resid. Aquifer	ND	Clean								
Trimethyl Benzene, 1,3,5	ug/L (ppb)	13	Resid. Aquifer	ND	Clean								
Benzene	ug/L (ppb)	5	Resid. Aquifer	ND	Clean								
Ethyl benzene	ug/L (ppb)	700	Resid. Aquifer	ND	Clean								
Isopropylbenzene	ug/L (ppb)	840	Resid. Aquifer	ND	Clean								
Naphthalene	ug/L (ppb)	100	Resid. Aquifer	ND	Clean								
Toluene	ug/L (ppb)	1,000	Resid. Aquifer	ND	Clean								
MTBE	ug/L (ppb)	20	Resid. Aquifer	ND	Clean								

Samples Collected on >>>				6/28/2011		6/28/2011		6/28/2011		6/28/2011		6/28/2011	
Analyte or Parameter	Test Units	PA DEP Limit	PA DEP Cleanup Criteria*	Monitoring Well #1		Monitoring Well #2		Monitoring Well #3		Monitoring Well #4		Monitoring Well #5	
				Actual Result	Variation From Limit								
For #2 Fuel Oil													
Trimethyl Benzene, 1,2,4	ug/L (ppb)	15	Resid. Aquifer	ND	Clean								
Trimethyl Benzene, 1,3,5	ug/L (ppb)	13	Resid. Aquifer	ND	Clean								
Benzene	ug/L (ppb)	5	Resid. Aquifer	ND	Clean								
Ethyl benzene	ug/L (ppb)	700	Resid. Aquifer	ND	Clean								
Isopropylbenzene	ug/L (ppb)	840	Resid. Aquifer	ND	Clean								
Naphthalene	ug/L (ppb)	100	Resid. Aquifer	ND	Clean								
Toluene	ug/L (ppb)	1,000	Resid. Aquifer	ND	Clean								
MTBE	ug/L (ppb)	20	Resid. Aquifer	ND	Clean								

Samples Collected on >>>				9/28/2011		9/28/2011		9/28/2011		9/28/2011		9/28/2011	
Analyte or Parameter	Test Units	PA DEP Limit	PA DEP Cleanup Criteria*	Monitoring Well #1		Monitoring Well #2		Monitoring Well #3		Monitoring Well #4		Monitoring Well #5	
				Actual Result	Variation From Limit								
For #2 Fuel Oil													
Trimethyl Benzene, 1,2,4	ug/L (ppb)	15	Resid. Aquifer	ND	Clean								
Trimethyl Benzene, 1,3,5	ug/L (ppb)	13	Resid. Aquifer	ND	Clean								
Benzene	ug/L (ppb)	5	Resid. Aquifer	ND	Clean								
Ethyl benzene	ug/L (ppb)	700	Resid. Aquifer	ND	Clean								
Isopropylbenzene	ug/L (ppb)	840	Resid. Aquifer	ND	Clean								
Naphthalene	ug/L (ppb)	100	Resid. Aquifer	ND	Clean								
Toluene	ug/L (ppb)	1,000	Resid. Aquifer	ND	Clean								
MTBE	ug/L (ppb)	20	Resid. Aquifer	ND	Clean								

*Used Cleanup Limit for Residential Aquifer / Generic

ND=Not Detected Within Lower Detection Limit of Equipment (See Lab Reports for L.D.L.)

Isopropylbenzene = Cumene

SUMMARY OF SAMPLING RESULTS - MONITORING WELLS
101 C AMOSLAND ROAD

Samples Collected on >>>

12/14/2011

12/14/2011

12/14/2011

12/14/2011

12/14/2011

Analyte or Parameter	Test Units	PA DEP Limit	PA DEP Cleanup Criteria*	Monitoring Well #1		Monitoring Well #2		Monitoring Well #3		Monitoring Well #4		Monitoring Well #5	
				Actual Result	Variation From Limit								
For #2 Fuel Oil													
Trimethyl Benzene, 1,2,4	ug/L (ppb)	15	Resid. Aquifer	ND	Clean								
Trimethyl Benzene, 1,3,5	ug/L (ppb)	13	Resid. Aquifer	ND	Clean								
Benzene	ug/L (ppb)	5	Resid. Aquifer	ND	Clean								
Ethyl benzene	ug/L (ppb)	700	Resid. Aquifer	ND	Clean								
Isopropylbenzene	ug/L (ppb)	840	Resid. Aquifer	ND	Clean								
Naphthalene	ug/L (ppb)	100	Resid. Aquifer	ND	Clean								
Toluene	ug/L (ppb)	1,000	Resid. Aquifer	ND	Clean								
MTBE	ug/L (ppb)	20	Resid. Aquifer	ND	Clean								

*Used Cleanup Limit for Residential Aquifer / Generic

ND=Not Detected Within Lower Detection Limit of Equipment (See Lab Reports for L.D.L.)

Isopropylbenzene = Cumene

Keenan Valley View Inn/Green Woods Charter School, City of Philadelphia, **Philadelphia County**. Toby J. Kessler, Kessler, P.G. Gilmore & Associates, Inc. 65 East Avenue, Suite 100, New Britain, PA 18901 on behalf of Green Wood Chapter School, 8480 Hagys Mill Road, Philadelphia, PA 19128, Donna Lee, Sickenberger, Keenan Valley View Inn, 468 Domino Lane, Philadelphia, PA 19128 has submitted a Cleanup Plan and Remedial Investigation Report concerning the remediation of site groundwater contaminated with benzo, arsenic and lead. The Cleanup Plan and Remedial Investigation Report were approved by the Department on May 14, 2012.

Amos Realty LP, Ridley Township Delaware County. Phil Getty, Boucher & James, Inc., 1456 Ferry Road, Doylestown, PA 18901, Greg Tax, US Environmental, 409 Boot Road, Downingtown, PA 19335 on behalf of Mike Evans, Amos Realty LLP, 126 Talbot Avenue, Holmes, PA 19403 has submitted a Final Report concerning the remediation of site groundwater and soil contaminated with no. 2 fuel oil. The Final report demonstrated attainment of the Statewide Health Standard and was approved by the Department on June 5, 2012.

Feasterville Plaza Shopping Center, Lower Southampton Township **Bucks County**. Michael A. Christie, Penn Environmental & Remediation, 2755 Bergey Road, Hatfield, PA 19440, Deborah A. Colson, Federal Realty Investment Trust, 1626 East Jefferson Street, Rockville, MD on behalf of Jeffery W. Franz, FTP Feasterville Plaza, LP, 1138 Swell Lane, Jenkintown, PA 19046 has submitted a Final Report concerning the remediation of site groundwater and soil contaminated with inorganics and chlorinated solvents. The Final report was withdrawn on May 21, 2012.

Krashny Residence, Lower Makefield Township **Bucks County**. Thomas Hippensteal, Environsearch Consultants Inc., PO Box 940, Springhouse, PA 19477 on behalf of Scot Krasny, 1007 Yardley Road Yardley, PA 19067 has submitted a Final Report concerning the remediation of site soil and groundwater contaminated with no. 2 fuel oil. The Final report demonstrated attainment of the Statewide Health Standard and was approved by the Department on May 15, 2012.

Apfelbaum Residence, Cheltenham Township **Montgomery County**. Richard Trimpi, Trimpi Associates, Inc., 1635 Old Plains Road, Pennsburg, PA 18073, Ed Applegate, State Farm Insurance, Pennsylvania Fire Claims, PO Box, 10610, Atlanta, GA 30348-6110 on behalf of Sharon Hicson-Camack, 210 Paxson Avenue, Glenside, PA 19038 has submitted a Final Report concerning the remediation of site soil contaminated with no. 2 fuel oil. The Final report demonstrated attainment of the Statewide Health Standard and was approved by the Department on May 23, 2012

777 South Broad Street, City of Philadelphia, **Philadelphia County**. Paul Martino, Pennoni Associates, Inc., 3001 Market Street, Philadelphia, PA 19104, William Schmidt, Pennoni Associates, Inc., 3001 Market Street, Philadelphia, PA 19104 on behalf of Josh Weingra, 777 South Broad Associates, LP, 3180 Chestnut Street, Philadelphia, PA 19104 has submitted a Final Report concerning the remediation of site soil and groundwater contaminated with lead, benzo and unleaded gasoline. The Final report was withdrawn on May 24, 2012.

Dansko Distribution Center, Penn Township **Chester County**. Jennifer Risser, Reliance Environmental, Inc. 130 East Chester Street, Lancaster, PA 17601 on behalf of Daria Payne Cobot Kjellerup Realty Trust, 8

Federal Road, West Grove PA 19390 has submitted a Final Report concerning the remediation of site soil contaminated with no. 2 fuel oil. The Final report demonstrated attainment of the Statewide Health Standard and was approved by the Department on May 14, 2012.

Florig Equipment Company Inc., Plymouth Township **Montgomery County**. Craig Herr, RT Environmental Service, Inc., 215 West Church Road, King of Prussia, PA 19406 on behalf of Alicia M. Lyskanyca, Florig Equipment Company, Inc., 906 Ridge Pike, Conshohocken, PA 19428 has submitted a Final Report concerning the remediation of site soil contaminated with no. 2 fuel oil. The Final report demonstrated attainment of the Statewide Health Standard and was approved by the Department on February 16, 2012.

375 Commerce Drive, Upper Dublin Township **Montgomery County**. Michael A. Christie, Penn Environmental & Remediation, 2755 Bergey Road, Hatfield, PA 19440 on behalf of marc Weinberg, Weinberg Family Trust, 803 Camarillo Road, Suite C, Camarillo, CA 93012, has submitted a Final Report concerning the remediation of site soil and groundwater contaminated with chlorinate solvents. The Final report was withdrawn on December 17, 2011

Manill Mill Road Company, Upper Merion Township **Montgomery County**. Waler Hungarter, III, RT Environmental Services, Inc. 215 West Church Road, King of Prussia, PA 19406 on behalf of Annunzio Calvarese, Mancill Road Company, 50 Barndon Road, Jeffersonville, PA 19043 has submitted a Cleanup Plan concerning the remediation of site soil contaminated with asbestos. The Cleanup Plan was approved by the Department on February 23, 2012.

5526-5548 Vine Street, City of Philadelphia, **Philadelphia County**. Charlene Drake, REPSG, Inc. 6901 Kingsessing Avenue, 2nd Floor, Philadelphia, PA 19142, Susan Shourds, REPSG, Inc. 6901 Kingsessing Avenue, 2nd Floor, Philadelphia, PA 19142, Bruce Conus, Liberty Resources, Inc., 714 Market Street, Suite 100, Philadelphia, PA on behalf of Robert La Brum, Redevelopment Authority of the City of Philadelphia, 1234 Market Street, 16th Floor Philadelphia, PA 19106 has submitted a Cleanup Plan and Remedial Investigation Report concerning the remediation of site soil contaminated with inorganics. The Cleanup Plan and Remedial Investigation Report were approved on August 11, 2011.

Southcentral Region: Environmental Cleanup and Brownfields Program Manager, 909 Elmerton Avenue, Harrisburg, PA 17110.

Lebanon Seaboard Corporation, 1600 East Cumberland Street, Lebanon, PA 17042, South Lebanon Township, **Lebanon County**. RT Environmental Services, Inc., 215 West Church Road, King of Prussia, PA 19406, on behalf of Lebanon Seaboard Corporation, 1600 East Cumberland Street, Lebanon, PA 17042, submitted a Final Report concerning remediation of site soils and groundwater contaminated with pesticides and VOCs. The Final Report demonstrated attainment of the Site Specific standard, and was approved by the Department on June 20, 2012.

Northcentral Region: Environmental Cleanup Program Manager, 208 West Third Street, Williamsport, PA 17701

Penske, Delaware Township, **Northumberland County**. Northridge Group, Inc., on behalf of Penske has submitted a Final Report concerning the remediation of site soils contaminated with Benzene, Toluene, Ethylbenzene, Cumene, Napthalene, 1,3,5-Trimethylbenz-

"General Decision Number: PA20220087 10/21/2022

Superseded General Decision Number: PA20210087

State: Pennsylvania

Construction Type: Building

County: Delaware County in Pennsylvania.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	01/14/2022

2	02/11/2022
3	02/25/2022
4	05/13/2022
5	06/03/2022
6	06/10/2022
7	06/17/2022
8	07/01/2022
9	07/29/2022
10	10/21/2022

ASBE0014-002 05/01/2022

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (MECHANICAL- Duct, Pipe & Mechanical System Insulation).....	\$ 56.65	40.65

BOIL0013-008 01/01/2022

	Rates	Fringes
BOILERMAKER.....	\$ 50.17	34.96

BRPA0001-016 05/01/2019

	Rates	Fringes
BRICKLAYER (Including Pointing, Caulking, and Cleaning).....	\$ 43.45	29.17
MASON - STONE.....	\$ 43.25	29.60

BRPA0001-017 05/01/2021

	Rates	Fringes
TILE FINISHER.....	\$ 25.10	20.75
TILE SETTER.....	\$ 48.01	28.67

CARP0219-005 05/01/2022

	Rates	Fringes
MILLWRIGHT.....	\$ 49.83	33.96

CARP0251-004 05/01/2022

	Rates	Fringes
CARPENTER (Floor Laying - Hardwood, Carpet and Vinyl Only).....	\$ 48.00	29.21

CARP0255-008 05/01/2022

	Rates	Fringes
CARPENTER (Includes, Acoustical Ceiling Installation, Batt Insulation, Drywall Hanging, Metal Stud Installation,		

Firestopping, Form Work,
 Gutter Installation, Metal
 Flashing Installation, Metal
 Roof Installation, Scaffold
 Building and Siding
 Installation- Metal,
 Aluminum, and Vinyl).....\$ 42.53 28.71

 CARP0441-004 05/01/2022

Rates Fringes

PILEDRIVERMAN.....\$ 45.73 37.99

 ELEC0098-009 05/03/2021

Rates Fringes

ELECTRICIAN (Alarm
 Installation Only).....\$ 52.31 43.44%+17.72

 ELEC0126-008 05/31/2021

Rates Fringes

LINE CONSTRUCTION
 Lineman.....\$ 57.93 32.25%+11.00

 ELEC0654-005 05/30/2022

Rates Fringes

ELECTRICIAN (Includes
 HVAC/Temperature Controls
 Installation, Solar Panel
 Wiring and Installation;
 Excludes Low Voltage Wiring,
 Installation of Sound and
 Communication Systems and
 Alarm Installation).....\$ 46.48 27.25%+23.54

 ELEV0005-002 01/01/2022

Rates Fringes

ELEVATOR MECHANIC.....\$ 63.52 36.885+a+b

FOOTNOTES FOR ELEVATOR MECHANICS:

A. PAID VACATION: Employer contributes 8% of basic hourly
 rate for 5 years or more of service or 6% for 6 months to 5
 years of service.

B. Eight Paid Holidays (provided employee has worked 5
 consecutive days before and the working day after the
 holiday): New Year's Day; Memorial Day; Independence Day;
 Labor Day; Veteran's Day; Thanksgiving Day and the Friday
 after Thanksgiving Day, and Christmas Day.

 ENGI0066-047 07/01/2014

Rates Fringes

POWER EQUIPMENT OPERATOR
 Mechanic.....\$ 28.37 15.66

 ENGI0542-034 05/01/2021

Rates Fringes

POWER EQUIPMENT OPERATOR
 Crane, Gradall, Bulldozer,
 Bobcat/Skid Steer/ Skid
 Loader, Grader/Blade,
 Loader, Paver (Asphalt,
 Aggregate, and Concrete),
 Backhoe/ Excavator/
 Trackhoe, Boom, Concrete
 Pump, Crusher, Drill Rig
 Caissons, Milling Machine...\$ 49.25 31.44
 Hoist (Single Drum),
 Forklift (all types).....\$ 45.16 30.24
 Hoist (With Two Towers)....\$ 49.25 31.44
 Oiler, Articulating Truck
 Operator.....\$ 42.16 29.34
 Pump.....\$ 43.14 29.64
 Roller.....\$ 45.16 30.24

 IRON0401-006 07/01/2022

Rates Fringes

IRONWORKER (Reinforcing and
 Structural).....\$ 49.70 39.10

 LABO0135-001 05/01/2021

Rates Fringes

LABORER (Mason Tender- Brick)...\$ 33.02 25.05

 LABO0413-007 05/01/2021

Rates Fringes

LABORER
 Common or General;
 Concrete Worker.....\$ 32.60 24.82
 Mason Tender-
 Cement/Concrete.....\$ 33.02 25.05

 PAIN0021-029 05/01/2021

Rates Fringes

PAINTER
 Brush and Roller.....\$ 41.24 28.10
 Drywall Finisher.....\$ 38.90 28.56
 Spray.....\$ 42.49 28.10

 * PAIN0252-007 05/01/2022

Rates Fringes

GLAZIER.....\$ 46.09 34.83

 PLAS0008-003 05/01/2022

	Rates	Fringes
PLASTERER.....	\$ 38.57	32.19

PLAS0592-037 05/01/2022		

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 42.05	33.26

PLUM0420-012 05/01/2021		

	Rates	Fringes
PIPEFITTER (Including HVAC Pipe and HVAC Unit Installation).....	\$ 62.32	38.73

PLUM0420-013 05/01/2021		

	Rates	Fringes
PIPEFITTER Mechanical Equipment Serviceman (HVAC Pipe and Unit Installation Only).....	\$ 62.32	38.73

PLUM0690-011 05/01/2022		

	Rates	Fringes
PLUMBER.....	\$ 62.73	36.21

ROOF0030-013 05/01/2021		

	Rates	Fringes
ROOFER (Includes Waterproofing, Excludes Metal Roof Installation).....	\$ 40.33	32.62

SFPA0692-003 01/01/2022		

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 60.29	30.88

SHEE0019-020 05/01/2022		

	Rates	Fringes
SHEET METAL WORKER (Includes HVAC Duct Installation).....	\$ 55.75	45.78

FOOTNOTE: Paid Holiday: Election Day

* UAVG-PA-0036 01/01/2016

	Rates	Fringes
ELECTRICIAN (Installation of Sound and Communication		

Systems Only).....	\$ 45.94	25.07
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 44.96	25.66

 SUPA2011-045 08/20/2014

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 34.27	22.55
OPERATOR: Drill.....	\$ 28.55	15.78
TRUCK DRIVER: Dump Truck.....	\$ 21.31	0.00

 WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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 Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

 The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of

the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"