APPENDIX A
GOVERNMENT FILE REVIEW DOCUMENTATION
Table A-1
Notes on NASJRB From Environmental Databases
Indicative of Potential Releases of Hazardous Materials or Petroleum Products
Source: EDR Report Dated September 27, 2006

<table>
<thead>
<tr>
<th>Listed facility name/address</th>
<th>State/Federal Record source (Notes 1,2)</th>
<th>EDR Map ID</th>
<th>Summary of Database Records</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naval Air Warfare Center, 1174 Tinker Street</td>
<td>NPL, CERCLIS, RCRA LQG, PADS, FINDS, MANIFEST</td>
<td>7</td>
<td>Superfund Preliminary Assessment completed 1989, Remedial Investigation/Feasibility Study (RI/FS) initiated 1991; Listed on NPL 1995; Removal/Remedial Actions 1999-2005; RI/FS is ongoing. Groundwater at NPL sites contaminated with PCBs and chlorinated VOCs.</td>
</tr>
</tbody>
</table>

| NAS JRB Willow Grove Hangar 80 | UST, AST, ERNS | Not Mapped | Listed ASTs (and install date): Two 6,000-gal. (1979); two 2,400-gal. (1990); one 4,000-gal. gasoline (1997); one 2,000-gal. diesel (2001); two 1,600-gal. and one 8,000-gal. No. 2 fuel oil (2003) Listed USTs: One 10,000-gal. diesel; and one 10,000-gal. gasoline (both installed 1998) |

| Willow Grove Naval Air Station, Air Reserve Station | ERNS, DOD | Y | Several reported ERNS spill/release listings. |

| NAS JRB Willow Grove, Building 635 | ARCHIVE AST | Y | 210,000-gal. jet fuel AST; 42,000-gal. potassium acetate AST; 1,400-gal. transmission fluid AST. |

| US Dept. Navy/Naval Air Station Willow Grove, Code 89 Eng. Division | FINDS, AIRS | Not Mapped | Site listed in FINDS database due to RCRA waste generation records and air emissions compliance records (AIRS database). |

| Naval Air Station, Route 611 | FTTS | Not Mapped | Record for Federal Facility inspection under FTTS; no violations. |

Notes:
1. For definitions of database abbreviations, see EDR DataMap® Area Study (Appendix A).
2. Contents of USTs and ASTs provided above are as specified in EDR database only. Other USTs/ASTs and tank contents may be present that are not listed in EDR database.
3. No Environmental Database Records for Jacksonville Road or Shenandoah Woods Housing Areas.
EDR DataMap®
Area Study

Naval Air Station Joint Reserve Base Willow Grove
Willow Grove, PA  19090

September 27, 2006

Inquiry number 01761271.2r

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com
Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).

**TARGET PROPERTY INFORMATION**

**ADDRESS**

WILLOW GROVE, PA 19090
WILLOW GROVE, PA 19090

**DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR’s search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

**FEDERAL RECORDS**

- Proposed NPL
- Delisted NPL
- NPL RECOVERY
- HMIRS
- US ENG CONTROLS
- US INST CONTROL
- FUDS
- US BROWNFIELDS
- CONSENT
- ROD
- UMTRA
- ODI
- TSCA
- SSTS
- ICIS
- MINES

**STATE AND LOCAL RECORDS**

- SHWS
- HSCA
- SWF/LF
- LAST
- ENG CONTROLS
- INST CONTROL
- BROWNFIELDS
- AIRS

**TRIBAL RECORDS**

- INDIAN RESERV
- INDIAN LUST
EXECUTIVE SUMMARY

INDIAN UST  
Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS  
Manufactured Gas Plants  
EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.
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.

FEDERAL RECORDS

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/05/2006 has revealed that there is 1 NPL site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR WARFARE CTR</td>
<td>1174 TINKER STREET</td>
<td>7</td>
<td>14</td>
</tr>
</tbody>
</table>

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 06/19/2006 has revealed that there are 2 CERCLIS sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>MERIT METALS PRODS CORP</td>
<td>242 VALLEY RD</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>NAVAL AIR WARFARE CTR</td>
<td>1174 TINKER STREET</td>
<td>7</td>
<td>14</td>
</tr>
</tbody>
</table>
EXECUTIVE SUMMARY

CERCLIS-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 07/17/2006 has revealed that there are 3 CERC-NFRAP sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRANE CO. CHEMPUMP DIV.</td>
<td>175 TITUS AVE.</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>FIORE-DEFLAVIS, INCORPORATION</td>
<td>222 VALLEY RD</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>U S CAN CO-PENN OPERATIONS</td>
<td>431 PRIVET RD</td>
<td>9</td>
<td>32</td>
</tr>
</tbody>
</table>

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2006 has revealed that there is 1 CORRACTS site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRANE CO. CHEMPUMP DIV.</td>
<td>175 TITUS AVE.</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-TSDF site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
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A review of the RCRA-LQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-LQG site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR WARFARE CTR</td>
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A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 29 RCRA-SQG sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRANE CO. CHEMPUMP DIV.</td>
<td>175 TITUS AVE.</td>
<td>3</td>
</tr>
<tr>
<td>OP SCHUMAN &amp; SONS MFG FAC</td>
<td>COUNTY LINE &amp; TITUS ROA</td>
<td>5</td>
</tr>
<tr>
<td>CANBERRA IND</td>
<td>125 TITUS AVE</td>
<td>6</td>
</tr>
<tr>
<td>POLL ENTERPRISES</td>
<td>151 KEITH VALLEY RD</td>
<td>7</td>
</tr>
<tr>
<td>MERIT METALS PRODS CORP</td>
<td>242 VALLEY RD</td>
<td>9</td>
</tr>
<tr>
<td>EARTHBORNE EQUIPMENT &amp; SERVICE</td>
<td>35 EASTON RD</td>
<td>12</td>
</tr>
<tr>
<td>DREXELBROOK ENG</td>
<td>205 KEITH VALLEY RD</td>
<td>32</td>
</tr>
<tr>
<td>U S CAN CO-PENN OPERATIONS</td>
<td>431 PRIVET RD</td>
<td>32</td>
</tr>
<tr>
<td>D C A INCORPORATED</td>
<td>1424 EASTON ROAD</td>
<td>43</td>
</tr>
<tr>
<td>C &amp; C FORD SALES</td>
<td>1100 EASTON ROAD - ROUT</td>
<td>43</td>
</tr>
<tr>
<td>EDON CORPORATION</td>
<td>1160 EASTON RD</td>
<td>46</td>
</tr>
<tr>
<td>OMNIPAC LLC</td>
<td>1196 EASTON ROAD</td>
<td>48</td>
</tr>
<tr>
<td>FLEXO FIRST INC</td>
<td>1196 EASTON RD</td>
<td>51</td>
</tr>
<tr>
<td>E M C INDUSTRIES</td>
<td>1200 EASTON RD</td>
<td>51</td>
</tr>
<tr>
<td>LEEDS &amp; NORTHRUP</td>
<td>795 HORSHAM RD</td>
<td>52</td>
</tr>
<tr>
<td>TINIUS OLSEN TESTING MACH CO</td>
<td>1005 EASTON RD</td>
<td>55</td>
</tr>
<tr>
<td>HORSHAM MEM USARC</td>
<td>936 EASTON RD</td>
<td>60</td>
</tr>
<tr>
<td>ENZYMATICS INC</td>
<td>500 ENTERPRISE RD</td>
<td>62</td>
</tr>
<tr>
<td>DRESSER RAND CO</td>
<td>203 PRECISION RD</td>
<td>63</td>
</tr>
<tr>
<td>PHARM MFG RESEARCH SVC INC</td>
<td>202 PRECISION DR</td>
<td>65</td>
</tr>
<tr>
<td>SAW MILL CLNR</td>
<td>403 NORRISTOWN ROAD</td>
<td>65</td>
</tr>
</tbody>
</table>
ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2005 has revealed that there are 8 ERNS sites within the searched area.

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 DOD site within the searched area.

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 TRIS site within the searched area.
EXECUTIVE SUMMARY

FTTS: 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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 07/14/2006 has revealed that there is 1 FTTS site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>DREXEL INDUSTRIES</td>
<td>331 MAPLE AVE</td>
<td>24</td>
<td>71</td>
</tr>
</tbody>
</table>

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 07/07/2006 has revealed that there is 1 PADS site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
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</thead>
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<td>7</td>
<td>14</td>
</tr>
</tbody>
</table>

MLTS: The Material Licensing Tracking System is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and are subject to NRC licensing requirements.

A review of the MLTS list, as provided by EDR, and dated 07/10/2006 has revealed that there is 1 MLTS site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANBERRA IND</td>
<td>125 TITUS AVE</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/21/2006 has revealed that there are 32 FINDS sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
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<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRANE CO. CHEMPUMP DIV.</td>
<td>175 TITUS AVE.</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>OP SCHUMAN &amp; SONS MFG FAC</td>
<td>COUNTY LINE &amp; TITUS ROA</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>CANBERRA IND</td>
<td>125 TITUS AVE</td>
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<td>6</td>
</tr>
<tr>
<td>POLL ENTERPRISES</td>
<td>151 KEITH VALLEY RD</td>
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<tr>
<td>MERIT METALS PRODS CORP</td>
<td>242 VALLEY RD</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>EARTHBORNE EQUIPMENT &amp; SERVICE</td>
<td>35 EASTON RD</td>
<td>6</td>
<td>12</td>
</tr>
</tbody>
</table>
**EXECUTIVE SUMMARY**

<table>
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<tr>
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<th>Address</th>
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<td>1174 TINKER STREET</td>
<td>7</td>
<td>14</td>
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<tr>
<td>DREXELBROOK ENG</td>
<td>205 KEITH VALLEY RD</td>
<td>8</td>
<td>32</td>
</tr>
<tr>
<td>U S CAN CO-PENN OPERATIONS</td>
<td>431 PRIVET RD</td>
<td>9</td>
<td>32</td>
</tr>
<tr>
<td>WAWA FOOD MARKET #285</td>
<td>1510 EASTON RD</td>
<td>11</td>
<td>38</td>
</tr>
<tr>
<td>D C A INCORPORATED</td>
<td>1424 EASTON ROAD</td>
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<tr>
<td>C &amp; C FORD SALES</td>
<td>1100 EASTON ROAD - ROUT</td>
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<tr>
<td>DOUBLE VISIONS</td>
<td>1138-42 EASTON RD</td>
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<td>46</td>
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<td>EDON CORPORATION</td>
<td>1160 EASTON RD</td>
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<td>46</td>
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<tr>
<td>OMNIPAC LLC</td>
<td>1196 EASTON ROAD</td>
<td>14</td>
<td>48</td>
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<tr>
<td>FLEXO FIRST INC</td>
<td>1196 EASTON RD</td>
<td>14</td>
<td>51</td>
</tr>
<tr>
<td>E M C INDUSTRIES</td>
<td>1200 EASTON RD</td>
<td>14</td>
<td>51</td>
</tr>
<tr>
<td>LEEDS &amp; NORTHROP</td>
<td>795 HORSHAM RD</td>
<td>16</td>
<td>52</td>
</tr>
<tr>
<td>TINIUS OLESEN TESTING MACH CO</td>
<td>1005 EASTON RD</td>
<td>17</td>
<td>55</td>
</tr>
<tr>
<td>HORSHAM MEM USARC</td>
<td>936 EASTON RD</td>
<td>17</td>
<td>60</td>
</tr>
<tr>
<td>ENZYMATICS INC</td>
<td>500 ENTERPRISE RD</td>
<td>19</td>
<td>62</td>
</tr>
<tr>
<td>LEES HOAGIE HOUSE</td>
<td>870-72 EASTON RD</td>
<td>20</td>
<td>63</td>
</tr>
<tr>
<td>DRESSER RAND CO</td>
<td>203 PRECISION RD</td>
<td>21</td>
<td>63</td>
</tr>
<tr>
<td>PHARM MFG RESEARCH SVC INC</td>
<td>202 PRECISION DR</td>
<td>21</td>
<td>65</td>
</tr>
<tr>
<td>SAW MILL CLNR</td>
<td>403 NORRISTOWN ROAD</td>
<td>23</td>
<td>65</td>
</tr>
<tr>
<td>DREXEL INDUSTRIES INC</td>
<td>MAPLE AVE</td>
<td>24</td>
<td>69</td>
</tr>
<tr>
<td>K&amp;S AMBULANCE</td>
<td>328 MAPLE AVE E BLDG</td>
<td>24</td>
<td>72</td>
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<tr>
<td>AUDIO TECH</td>
<td>328 W MAPLE AVENUE</td>
<td>24</td>
<td>72</td>
</tr>
<tr>
<td>C &amp; L RIVET CO</td>
<td>247 BROADWAY AVE</td>
<td>25</td>
<td>73</td>
</tr>
<tr>
<td>HORSHAM WATER &amp; SEW AUTH WATER</td>
<td>617 HORSHAM RD</td>
<td>27</td>
<td>75</td>
</tr>
<tr>
<td>HORSHAM USARC 2</td>
<td>400 HORSHAM RD</td>
<td>31</td>
<td>79</td>
</tr>
<tr>
<td>RYDER TRUCK RENTAL</td>
<td>430 HORSHAM ROAD</td>
<td>31</td>
<td>79</td>
</tr>
</tbody>
</table>

**RAATS:** The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR WARFARE CTR</td>
<td>1174 TINKER STREET</td>
<td>7</td>
<td>14</td>
</tr>
</tbody>
</table>

**STATE AND LOCAL RECORDS**

**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 HIST LF list, as provided by EDR, and dated 01/04/2005 has revealed that there is 1 HIST LF site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIORE-DEFLAVIS, INCORPORATION</td>
<td>222 VALLEY RD</td>
<td>5</td>
<td>8</td>
</tr>
</tbody>
</table>
**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 LUST list, as provided by EDR, and dated 06/14/2006 has revealed that there are 13 LUST sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>U HAUL CTR WARRINGTON</td>
<td>226 TITUS AVE</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>AMOCO 4344</td>
<td>57 EASTON RD</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td>WILLOW GROVE AIR FORCE RESERVE</td>
<td>2164 MCGUIRE ST</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>HORSHAM MOTOR LODGE</td>
<td>1510 EASTON RD</td>
<td>11</td>
<td>37</td>
</tr>
<tr>
<td>GULF 153494</td>
<td>1069 COUNTY LINE RD</td>
<td>12</td>
<td>40</td>
</tr>
<tr>
<td>PROPATO BROS INC</td>
<td>1131 W COUNTY LINE RD</td>
<td>12</td>
<td>42</td>
</tr>
<tr>
<td>JOT FUEL</td>
<td>982 EASTON RD</td>
<td>17</td>
<td>54</td>
</tr>
<tr>
<td>HATBORO HORSHAM OPR</td>
<td>224 MAPLE AVE</td>
<td>18</td>
<td>61</td>
</tr>
<tr>
<td>PJ AUTO REPAIR</td>
<td>401 NORRISTOWN RD</td>
<td>23</td>
<td>67</td>
</tr>
<tr>
<td>HORSHAM GULF</td>
<td>660 EASTON RD</td>
<td>26</td>
<td>73</td>
</tr>
<tr>
<td>KEITH VALLEY MID SCH</td>
<td>227 MEETINGHOUSE RD</td>
<td>28</td>
<td>75</td>
</tr>
<tr>
<td>RYDER TRANSP SVC 1079A</td>
<td>430 HORSHAM RD</td>
<td>31</td>
<td>80</td>
</tr>
<tr>
<td>GETTY 69230</td>
<td>496 EASTON RD</td>
<td>32</td>
<td>81</td>
</tr>
</tbody>
</table>

**UNREG LTANKS:** Leaking storage tank cases from unregulated storage tanks.

A review of the UNREG LTANKS list, as provided by EDR, and dated 04/12/2002 has revealed that there are 5 UNREG LTANKS sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORSHAM MOTOR LODGE</td>
<td>1510 EASTON RD</td>
<td>11</td>
<td>37</td>
</tr>
<tr>
<td>MAPLE HILL APT</td>
<td>213 MAPLE AVE</td>
<td>18</td>
<td>61</td>
</tr>
<tr>
<td>GAFTOMSKI RES</td>
<td>400 WATSON AVE</td>
<td>22</td>
<td>65</td>
</tr>
<tr>
<td>DREXEL IND</td>
<td>331 MAPLE AVE</td>
<td>24</td>
<td>69</td>
</tr>
<tr>
<td>Closed: 4/20/1998</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Resources’ Regulated Underground Storage Tank Listing.

A review of the UST list, as provided by EDR, and dated 06/01/2006 has revealed that there are 8 UST sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>BORRAJO RES</td>
<td>327 OLIVE ST</td>
<td>33</td>
<td>82</td>
</tr>
<tr>
<td>WAWA 285</td>
<td>1510 EASTON RD</td>
<td>11</td>
<td>39</td>
</tr>
<tr>
<td>C &amp; C FORD SALES</td>
<td>1100 EASTON RD</td>
<td>14</td>
<td>46</td>
</tr>
<tr>
<td>JOT FUEL</td>
<td>982 EASTON RD</td>
<td>17</td>
<td>54</td>
</tr>
<tr>
<td>GILBERTSVILLE READY MIX PLT</td>
<td>252 WILSON AVE</td>
<td>18</td>
<td>61</td>
</tr>
<tr>
<td>HATBORO HORSHAM OPR</td>
<td>224 MAPLE AVE</td>
<td>18</td>
<td>61</td>
</tr>
<tr>
<td>WAWA HORSHAM</td>
<td>535 HORSHAM RD</td>
<td>29</td>
<td>76</td>
</tr>
<tr>
<td>RYDER TRANSP SVC 1079A</td>
<td>430 HORSHAM RD</td>
<td>31</td>
<td>80</td>
</tr>
<tr>
<td>GETTY 69230</td>
<td>496 EASTON RD</td>
<td>32</td>
<td>81</td>
</tr>
</tbody>
</table>

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 ARCHIVE UST list, as provided by EDR, and dated 06/01/2006 has revealed that there are 4 ARCHIVE UST sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>GULF 153494</td>
<td>1069 COUNTY LINE RD</td>
<td>12</td>
<td>40</td>
</tr>
<tr>
<td>BLOODGOOD LANDSCAPE CORP</td>
<td>801 HORSHAM RD</td>
<td>16</td>
<td>53</td>
</tr>
<tr>
<td>PJ AUTO REPAIR</td>
<td>401 NORRISTOWN RD</td>
<td>23</td>
<td>67</td>
</tr>
<tr>
<td>HORSHAM GULF</td>
<td>660 EASTON RD</td>
<td>26</td>
<td>73</td>
</tr>
</tbody>
</table>

AST: The Aboveground Storage Tank database contains registered ASTs from the Department of Environmental Protection’s Listing of Pennsylvania Regulated Aboveground Storage Tanks.

A review of the AST list, as provided by EDR, and dated 06/01/2006 has revealed that there are 2 AST sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>WILLOW GROVE AIR FORCE RESERVE</td>
<td>2164 MCGUIRE ST</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>CENTOCOR</td>
<td>800 RIDGEVIEW DR</td>
<td>15</td>
<td>52</td>
</tr>
</tbody>
</table>
EXECUTIVE SUMMARY

ARCHIVE AST: 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.

A review of the ARCHIVE AST list, as provided by EDR, and dated 06/01/2006 has revealed that there are 2 ARCHIVE AST sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>WILLOW GROVE AIR FORCE RESERVE</td>
<td>2164 MCGUIRE ST</td>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>NAVAL AIR STA JRB WILLOW GROVE</td>
<td>BLDG 635 NASJRBWG</td>
<td>17</td>
<td>59</td>
</tr>
</tbody>
</table>

MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 12/31/2005 has revealed that there are 11 PA MANIFEST sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>MERIT METALS PRODS CORP</td>
<td>242 VALLEY RD</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>EARTHBORNE EQUIPMENT &amp; SERVICE</td>
<td>35 EASTON RD</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>NAVAL AIR WARFARE CTR</td>
<td>1174 TINKER STREET</td>
<td>7</td>
<td>14</td>
</tr>
<tr>
<td>U S CAN CO-PENN OPERATIONS</td>
<td>431 PRIVET RD</td>
<td>9</td>
<td>32</td>
</tr>
<tr>
<td>C &amp; C FORD SALES</td>
<td>1100 EASTON ROAD - ROUT</td>
<td>14</td>
<td>43</td>
</tr>
<tr>
<td>EDON CORPORATION</td>
<td>1160 EASTON RD</td>
<td>14</td>
<td>46</td>
</tr>
<tr>
<td>OMNIPAC LLC</td>
<td>1196 EASTON ROAD</td>
<td>14</td>
<td>48</td>
</tr>
<tr>
<td>TINNIUS OLSEN TESTING MACH CO</td>
<td>1005 EASTON RD</td>
<td>17</td>
<td>55</td>
</tr>
<tr>
<td>DREXEL INDUSTRIES INC</td>
<td>MAPLE AVE</td>
<td>24</td>
<td>69</td>
</tr>
</tbody>
</table>

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 ACT 2-DEED list, as provided by EDR, and dated 06/20/2006 has revealed that there are 2 ACT 2-DEED sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>MERIT METALS PRODS CORP</td>
<td>242 VALLEY RD</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>HORSHAM MOTOR LODGE</td>
<td>1510 EASTON RD</td>
<td>11</td>
<td>37</td>
</tr>
</tbody>
</table>
VCP: Voluntary Cleanup Program Sites List.

A review of the VCP list, as provided by EDR, and dated 06/20/2006 has revealed that there are 3 VCP sites within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>MERIT METALS PRODS CORP</td>
<td>242 VALLEY RD</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>HORSHAM MOTOR LODGE</td>
<td>1510 EASTON RD</td>
<td>11</td>
<td>37</td>
</tr>
<tr>
<td>SAYLOR RES</td>
<td>550 EASTON RD</td>
<td>32</td>
<td>82</td>
</tr>
</tbody>
</table>

DRYCLEANERS: A listing of drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 07/20/2006 has revealed that there is 1 DRYCLEANERS site within the searched area.

<table>
<thead>
<tr>
<th>Site</th>
<th>Address</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAWMILL CLNR</td>
<td>403 NORRISTOWN RD</td>
<td>23</td>
<td>66</td>
</tr>
</tbody>
</table>
Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.
## MAP FINDINGS SUMMARY

<table>
<thead>
<tr>
<th>Database</th>
<th>Total Plotted</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FEDERAL RECORDS</strong></td>
<td></td>
</tr>
<tr>
<td>NPL</td>
<td>1</td>
</tr>
<tr>
<td>Proposed NPL</td>
<td>0</td>
</tr>
<tr>
<td>Delisted NPL</td>
<td>0</td>
</tr>
<tr>
<td>NPL RECOVERY</td>
<td>0</td>
</tr>
<tr>
<td>CERCLIS</td>
<td>2</td>
</tr>
<tr>
<td>CERC-NFRAP</td>
<td>3</td>
</tr>
<tr>
<td>CORRACTS</td>
<td>1</td>
</tr>
<tr>
<td>RCRA TSD</td>
<td>1</td>
</tr>
<tr>
<td>RCRA Lg. Quan. Gen.</td>
<td>1</td>
</tr>
<tr>
<td>RCRA Sm. Quan. Gen.</td>
<td>29</td>
</tr>
<tr>
<td>ERNS</td>
<td>8</td>
</tr>
<tr>
<td>HMIROS</td>
<td>0</td>
</tr>
<tr>
<td>US ENG CONTROLS</td>
<td>0</td>
</tr>
<tr>
<td>US INST CONTROL</td>
<td>0</td>
</tr>
<tr>
<td>DOD</td>
<td>1</td>
</tr>
<tr>
<td>FUDS</td>
<td>0</td>
</tr>
<tr>
<td>US BROWNFIELDS</td>
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</tr>
<tr>
<td>CONSENT</td>
<td>0</td>
</tr>
<tr>
<td>ROD</td>
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</tr>
<tr>
<td>UMTRA</td>
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</tr>
<tr>
<td>TSCA</td>
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<td>FTTS</td>
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<tr>
<td>SSTS</td>
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<tr>
<td>ICIS</td>
<td>0</td>
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<td>PADS</td>
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<td>MLTS</td>
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<td>MINES</td>
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<td>FINDS</td>
<td>32</td>
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<tr>
<td>RAATS</td>
<td>1</td>
</tr>
<tr>
<td><strong>STATE AND LOCAL RECORDS</strong></td>
<td></td>
</tr>
<tr>
<td>State Haz. Waste</td>
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</tr>
<tr>
<td>HSCA</td>
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<tr>
<td>SWF/LF</td>
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</tr>
<tr>
<td>HIST LF</td>
<td>1</td>
</tr>
<tr>
<td>LUST</td>
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</tr>
<tr>
<td>UNREG LTANKS</td>
<td>5</td>
</tr>
<tr>
<td>UST</td>
<td>8</td>
</tr>
<tr>
<td>ARCHIVE UST</td>
<td>4</td>
</tr>
<tr>
<td>LAST</td>
<td>0</td>
</tr>
<tr>
<td>AST</td>
<td>2</td>
</tr>
<tr>
<td>ARCHIVE AST</td>
<td>2</td>
</tr>
<tr>
<td>MANIFEST</td>
<td>9</td>
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<td>ACT 2-DEED</td>
<td>2</td>
</tr>
<tr>
<td>ENG CONTROLS</td>
<td>0</td>
</tr>
</tbody>
</table>
## MAP FINDINGS SUMMARY

<table>
<thead>
<tr>
<th>Database</th>
<th>Total Plotted</th>
</tr>
</thead>
<tbody>
<tr>
<td>INST CONTROL</td>
<td>0</td>
</tr>
<tr>
<td>VCP</td>
<td>3</td>
</tr>
<tr>
<td>DRYCLEANERS</td>
<td>1</td>
</tr>
<tr>
<td>BROWNFIELDS</td>
<td>0</td>
</tr>
<tr>
<td>AIRS</td>
<td>0</td>
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</tbody>
</table>

**TRIBAL RECORDS**

<table>
<thead>
<tr>
<th>Record</th>
<th>Total Plotted</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDIAN RESERV</td>
<td>0</td>
</tr>
<tr>
<td>INDIAN LUST</td>
<td>0</td>
</tr>
<tr>
<td>INDIAN UST</td>
<td>0</td>
</tr>
</tbody>
</table>

**EDR PROPRIETARY RECORDS**

<table>
<thead>
<tr>
<th>Record</th>
<th>Total Plotted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufactured Gas Plants</td>
<td>0</td>
</tr>
</tbody>
</table>

**NOTES:**

Sites may be listed in more than one database
MAP FINDINGS

DOD Region  WILLOW GROVE NAVAL AIR STATION  DOD CUSA029251

WILLOW GROVE NAVAL AIR ST (County), PA

FEDERAL LANDS:
- Feature 1: Navy DOD
- Feature 2: Not reported
- Feature 3: Not reported
- Agency: DOD
- URL: Not reported
- Name 1: Willow Grove Naval Air Station
- Name 2: Not reported
- Name 3: Not reported
- State: PA

1  U HAUL CTR WARRINGTON  LUST S103372339
226 TITUS AVE  N/A
WARRINGTON, PA

LUST:
- Facility Id: 09-43502
- Facility Type: Underground Storage Tank Containing Petroleum
- Facility Status: Cleanup Completed
- Status Date: 2005-08-05 00:00:00
- Release Date: 1996-08-21 00:00:00
- Region: South East
- Description: U HAUL CTR WARRINGTON

2  CRANE CO. CHEMPUMP DIV.  RCRA-SQG 1000311307
175 TITUS AVE.  FINDS PADO03916798
WARRINGTON, PA  18976

RCRAInfo Corrective Action Summary:
- Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
- Event Date: 12/01/1991

RCRAInfo:
- Owner: CRANE CO. CHEMPUMP DIV.
  (215) 343-6000
- EPA ID: PAD003916798
- Contact: R. ASHENFELTER
  (215) 343-6000
- Classification: TSDF, Conditionally Exempt Small Quantity Generator
- TSDF Activities: Not reported

Violation Status: Violations exist
- Regulation Violated: 265.173(a) & 265.178(a)(b)
- Area of Violation: GENERATOR-SQG REQUIREMENTS
- Date Violation Determined: 09/25/1991
- Actual Date Achieved Compliance: 09/03/1992
- Enforcement Action: WRITTEN INFORMAL
- Enforcement Action Date: 10/11/1991
- Penalty Type: Not reported
- Regulation Violated: Not reported
CRANE CO. CHEMPUMP DIV. (Continued)

Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/29/1989
Actual Date Achieved Compliance: 09/25/1992

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/11/1991
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Area of Violation</th>
<th>Date of Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance Evaluation Inspection</td>
<td>GENERATOR-SQG REQUIREMENTS</td>
<td>19920903</td>
</tr>
<tr>
<td>Compliance Evaluation Inspection</td>
<td>TSD-OTHER REQUIREMENTS (OVERSIGHT)</td>
<td>19920925</td>
</tr>
</tbody>
</table>

FINDS:
Other Pertinent Environmental Activity Identified at Site

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.

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CORRACTS Data:

EPA Id: PAD003916798
Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 12/01/1991
Corrective Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
2002 NAICS Title: Pump and Pumping Equipment Manufacturing
Other Metal Valve and Pipe Fitting Manufacturing

CERC-NFRAP:
Site ID: 0303456
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA

Site Description: Not reported

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 06/02/1989
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
CRANE CO. CHEMPUMP DIV. (Continued)

Date Completed: 10/16/1989
Priority Level: Deferred to RCRA (Subtitle C)
Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 01/23/1996
Priority Level: Not reported

3
OP SCHUMAN & SONS MFG FAC
COUNTY LINE & TITUS ROAD
WARRINGTON, PA 18976

RCRAInfo:
Owner: OPERNAME
(215) 555-1212
EPA ID: PAD002274207
Contact: Not reported
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist
Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/16/1989
Actual Date Achieved Compliance: 03/30/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/07/1989
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/16/1989
Actual Date Achieved Compliance: 03/30/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/07/1989
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Area of Violation</th>
<th>Date of Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance Evaluation Inspection</td>
<td>GENERATOR-ALL REQUIREMENTS (OVERSIGHT)</td>
<td>19900330</td>
</tr>
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<td></td>
<td>GENERATOR-ALL REQUIREMENTS (OVERSIGHT)</td>
<td>19900330</td>
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FINDS:
Other Pertinent Environmental Activity Identified at Site

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### FINDS:

**Other Pertinent Environmental Activity Identified at Site**

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---

**MAP FINDINGS**

<table>
<thead>
<tr>
<th>Map ID</th>
<th>Direction</th>
<th>Distance</th>
<th>Distance (ft.)Site</th>
<th>EDR ID Number</th>
<th>Database(s)</th>
<th>EPA ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FINDS MLTS</td>
<td>PAD002332260</td>
</tr>
</tbody>
</table>

**RCRAInfo:**

- **Owner:** OPERNAME  
  (215) 555-1212  

- **EPA ID:** PAD002332260  

- **Contact:** BILL SEABORN  
  (215) 343-5900

**Classification:** Small Quantity Generator

**TSDF Activities:** Not reported

**Violation Status:** Violations exist

<table>
<thead>
<tr>
<th>Regulation Violated</th>
<th>Date Violation Determined</th>
<th>Actual Date Achieved Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 PA Code 265a.179</td>
<td>03/26/2002</td>
<td>08/12/2002</td>
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<tr>
<td>TSD-CONTAINERS REQUIREMENTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 CFR 262.34(d)(5)(i)</td>
<td>03/26/2002</td>
<td>08/12/2002</td>
</tr>
<tr>
<td>GENERATOR-PRE-TRANSPORT REQUIREMENTS</td>
<td></td>
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<tr>
<td>40 CFR 262.34(d)(5)(ii)</td>
<td>03/26/2002</td>
<td>08/12/2002</td>
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<tr>
<td>GENERATOR-PRE-TRANSPORT REQUIREMENTS</td>
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</tr>
<tr>
<td>25 PA Code 265a.179</td>
<td>03/26/2002</td>
<td>08/12/2002</td>
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<td>40 CFR 262.34(d)(5)(iii)</td>
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<td>08/12/2002</td>
</tr>
<tr>
<td>GENERATOR-PRE-TRANSPORT REQUIREMENTS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TSDF Activities:** Not reported

**Regulation Violated:** Not reported

**Area of Violation:** GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

**Date Violation Determined:** 02/10/1989

**Actual Date Achieved Compliance:** 02/03/1997

**Enforcement Action:** WRITTEN INFORMAL

**Enforcement Action Date:** 02/22/1989

**Penalty Type:** Not reported

---

There are 4 violation record(s) reported at this site:

**Evaluation**

<table>
<thead>
<tr>
<th>Compliance Evaluation Inspection</th>
<th>Area of Violation</th>
<th>Date of Compliance</th>
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<tbody>
<tr>
<td>TSD-CONTAINERS REQUIREMENTS</td>
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<td>20020812</td>
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<tr>
<td>GENERATOR-PRE-TRANSPORT REQUIREMENTS</td>
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</tr>
<tr>
<td>GENERATOR-PRE-TRANSPORT REQUIREMENTS</td>
<td></td>
<td>20020812</td>
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<tr>
<td>GENERATOR-ALL REQUIREMENTS (OVERSIGHT)</td>
<td></td>
<td>19970203</td>
</tr>
</tbody>
</table>

**Contact:** BILL SEABORN  
(215) 343-5900
CANBERRA IND (Continued)

MLTS:
License Number: SNM-631
License Date: 05/02/2003
License Expires: 04/30/2005
Primary Program: Not reported
License Use: Not reported
Department: Not reported
Building: Not reported
Status: Not reported
Contact Name: MICHAEL CHARLAND, VP
States Allowing Use: Not reported
Store Material: Not reported
Redistribution: No
Burial: No
Last Inspection: 07/2000
Inspector Name: S. MINNICK
Next Inspection: 07/2005

4
POLLS ENTERPRISES
151 KEITH VALLEY RD
HORSHAM, PA 19044

RCRAInfo:
Owner: BADMAN, RICHARD
(215) 555-1212
EPA ID: PAD981945769
Contact: RALPH PENNINGTON
(215) 343-7705
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

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NY MANIFEST:
Document ID: NQA5363577
Manifest Status: K
Trans1 State ID: TAG#MA709
Trans2 State ID: Not reported
Generator Ship Date: 870630
Trans1 Recv Date: 870630
MAP FINDINGS

POLL ENTERPRISES (Continued)

Trans2 Recv Date: Not reported
TSD Site Recv Date: 870701
Part A Recv Date: 870810
Part B Recv Date: 870709
Generator EPA ID: PAD981945769
Trans1 EPA ID: NJD067387514
Trans2 EPA ID: Not reported
TSDF ID: NYD043815703
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00770
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 014
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 87
Facility Type: Generator
EPA ID: PAD981945769
Facility Name: POLLUTION ENTERPRISES INCORPORATED
Facility Address: 151 KEITH VALLEY ROAD
Facility City: HORSHAM
Facility Zip 4: Not reported
Country: Not reported
County: Not reported
Mailing Name: POLLUTION ENTERPRISES INCORPORATED
Mailing Contact: Not reported
Mailing Address: 151 KEITH VALLEY ROAD
Mailing City: HORSHAM
Mailing State: PA
Mailing Zip: 19044
Mailing Zip4: Not reported
Mailing Country: Not reported
Mailing Phone: 215-343-7705

Click this hyperlink while viewing on your computer to access additional NY MANIFEST: detail in the EDR Site Report.

5

FIORE-DEFLAVIS, INCORPORATION
222 VALLEY RD
WARRINGTON, PA  18976

CERC-NFRAP: 1003866015
CERC-NFRAP: 1003866015

CERC-NFRAP:
Site ID: 0302444
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Site Description: SITE IS LOCATION OF CONTRACTING COMPANY. SITE MAY BE CURRENTLY INACTIVE.

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 06/19/1987
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
### Fiori-DeFlavis, Incorporation (Continued)

- **Date Completed:** 12/19/1988
- **Priority Level:** NFRAP (No Further Remedial Action Planned)
- **Action:** ARCHIVE SITE
- **Date Started:** Not reported
- **Date Completed:** 12/19/1988
- **Priority Level:** Not reported

### Historic Feed Inventory:

- **Site ID:** 1-085
- **Inspect Date:** 08/25/00
- **Facility Status:** INACTIVE
- **Facility Type:** Not reported

### Merit Metals Products Corp

#### Address:
- **Address:** 242 Valley Rd
- **City:** Warrington, PA 18976

#### CERCLIS:

- **Site ID:** 0300708
- **Federal Facility:** Not a Federal Facility
- **NPL Status:** Not on the NPL
- **Non NPL Status:** SIP Start Needed

#### Site Description:
- THE SITE IS THE LOCATION OF A NON-FERROUS HARDWARE MANUFACTURING FACILITY.

#### CERCLIS Assessment History:

- **Action:** DISCOVERY
  - **Date Started:** Not reported
  - **Date Completed:** 06/19/1987
  - **Priority Level:** Not reported

- **Action:** PRELIMINARY ASSESSMENT
  - **Date Started:** Not reported
  - **Date Completed:** 12/19/1988
  - **Priority Level:** High

- **Action:** SITE INSPECTION
  - **Date Started:** Not reported
  - **Date Completed:** 03/28/1990
  - **Priority Level:** High
MAP FINDINGS

MERIT METALS PRODS CORP (Continued)

RCRAInfo:
Owner: Not reported
EPA ID: PAD004006839
Contact: JAMES SEELY
(215) 555-1212
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

VCP:
Rec ID: 1150
Activity ID: Not reported
Municipality: Warrington
MERIT METALS PRODS CORP (Continued)

Region: Southeast
Site Size: Not reported
Cleanup: Statewide Health
Cleanup Indicator: Not reported
Response Date: 7/3/2001
Category Desc: Chlorinated Solvents, Inorganics, Lead, PCB, Pesticides
Land Designation: Not reported

PA MANIFEST:
Manifest Number: PAH073359
Manifest Type: T
Generator Epa Id: PAD004006839
Generator Date: 02/19/2004
Mailing Address: 242 VALLEY RD
Mailing City,St,Zip: WARRINGTON, PA 18976
Contact Name: ADAM STEFANOWICZ JR
Contact Phone: 215-343-2500
TSD Epa Id: PAD987266715
TSD Date: 02/19/2004
TSD Facility Name: SAFETY KLEEN SYSTEMS INC 2-139-01
TSD Facility Address: 77 TOWPATH RD
TSD Facility City: FAIRLESS HILLS
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D001
Container Number: 1.00000
Container Type: DF
Waste Quantity: 5.00000
Unit: G
Handling Code: Not reported
Tsp Epa Id: TXR000050930
Date Tsp Sig: 02/19/2004

Click this hyperlink while viewing on your computer to access
4 additional PA MANIFEST: record(s) in the EDR Site Report.

ACT 2-DEED:
Record ID: 321
Region: Southeast
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 7/3/2001
Category Description: Chlorinated Solvents, Inorganics, Lead, PCB, Pesticides
Land Designation Code: Not reported

NY MANIFEST:
Document ID: NYC4263941
Manifest Status: K
Trans1 State ID: XB15431
Trans2 State ID: Not reported
Generator Ship Date: 970613
Trans1 Recv Date: 970613
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970620
### MERIT METALS PRODS CORP (Continued)

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<td>Quantity</td>
<td>00025</td>
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<td>Units</td>
<td>G - Gallons (liquids only)*</td>
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<td>Container Type</td>
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<tr>
<td>Facility Address</td>
<td>242 VALLEY ROAD</td>
</tr>
<tr>
<td>Facility City</td>
<td>WARRINGTON</td>
</tr>
<tr>
<td>Facility Zip 4</td>
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<td>Mailing Contact</td>
<td>FRANK SODER</td>
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<tr>
<td>Mailing Phone</td>
<td>215-343-2500</td>
</tr>
</tbody>
</table>

Click this hyperlink while viewing on your computer to access
13 additional NY MANIFEST: record(s) in the EDR Site Report.

### EARTHBORENE EQUIPMENT & SERVICE

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<tr>
<td>Owner</td>
<td>TAYLOR RICHARD</td>
</tr>
<tr>
<td></td>
<td>(215) 443-0770</td>
</tr>
<tr>
<td>EPA ID</td>
<td>PAD987343506</td>
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<tr>
<td>Contact</td>
<td>RICHARD TAYLOR</td>
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<tr>
<td></td>
<td>(215) 443-0770</td>
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<tr>
<td>Classification</td>
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<tr>
<td>TSDF Activities</td>
<td>Not reported</td>
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</tbody>
</table>

Click this hyperlink while viewing on your computer to access
EARTHBORNE EQUIPMENT & SERVICE (Continued)

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

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PA MANIFEST:
Manifest Number: PAH111269
Manifest Type: T
Generator Epa Id: PAD987343506
Generator Date: 03/01/2004
Mailing Address: 35 EASTON RD
Mailing City,St,Zip: WARRINGTON, PA 18976-2515
Contact Name: WALTER, CURT
Contact Phone: 215-443-0770
TSD Epa Id: PAD987266715
TSD Date: 03/01/2004
TSD Facility Name: SAFETY KLEEN SYSTEMS INC 2-139-01
TSD Facility Address: 77 TOWPATH RD
TSD Facility City: FAIRLESS HILLS
TSD Facility State: PA
Page Number: 1.00000
Line Number: 1.00000
Waste Number: 1.00000
Container Number: D001
Container Type: DF
Waste Quantity: 5.00000
Unit: G
Handling Code: Not reported
Tsp Epa Id: TXR000050930
Date Tsp Sig: 03/01/2004

Click this hyperlink while viewing on your computer to access
5 additional PA MANIFEST: record(s) in the EDR Site Report.

6
AMOCO 4344
57 EASTON RD
WARRINGTON, PA

LUST: S102603678
LUST Id: 60-00466
LUST Type: Undergroung Storage Tank Containing Petroleum
LUST Status: Cleanup Completed
LUST Status Date: 1997-03-03 00:00:00
Release Date: 1989-08-05 00:00:00
Region: South East
Description: AMOCO 4344
Facility Id: 09-00466
AMOCO 4344 (Continued)

- **Facility Type:** Underground Storage Tank Containing Petroleum
- **Facility Status:** Cleanup Completed
- **Status Date:** 1997-03-03 00:00:00
- **Release Date:** 1989-08-05 00:00:00
- **Region:** South East
- **Description:** AMOCO 4344

---

7. **CERCLIS:**

- **Site ID:** 0303820
- **Federal Facility:** Federal Facility
- **NPL Status:** Currently on the Final NPL
- **Non NPL Status:** Not reported

**CERCLIS Site Contact Name(s):**

- **Contact Name:** LISA M. BRADFORD
- **Contact Tel:** (215) 814-3363
- **Contact Title:** Remedial Project Manager (RPM)

**CERCLIS Site Alias Name(s):**

- **Alias Name:** WILLOW GROVE NAVAL AIR & AIR RES. STN.
  - **Address:** RT 611
  - **City:** WILLOW GROVE, PA 19090
- **Alias Name:** WILLOW GROVE NAVAL AIR & AIR RES. STN.
  - **Address:** Not reported
  - **City:** Not reported
- **Alias Name:** NAS WILLOW GROVE *
  - **Address:** Not reported
  - **City:** Not reported
- **Alias Name:** WILLOW GROVE JOINT RESERVE BASE
  - **Address:** Not reported
  - **City:** PA
- **Alias Name:** USA WILLOW GROVE ARF
  - **Address:** Not reported
  - **City:** PA
- **Alias Name:** WILLOW GROVE NAVAL AIR STATION
  - **Address:** RT 611
  - **City:** WILLOW GROVE, PA 37000
- **Alias Name:** WILLOW GROVE NAVAL AIR AND AIR RESERVE STATION
  - **Address:** RT 611
  - **City:** WILLOW GROVE, PA 19040
- **Site Description:** LANDFILLING, OPEN BURNING, SPILLS LEAKS.

**CERCLIS Assessment History:**

- **Action:** PRELIMINARY ASSESSMENT
- **Date Started:** Not reported
<table>
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<tr>
<th>Action</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>Priority Level</th>
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<tbody>
<tr>
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<td>PRELIMINARY ASSESSMENT</td>
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<td>FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY</td>
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### NAVAL AIR WARFARE CTR (Continued) 1000124975

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**FINDS:**
Other Pertinent Environmental Activity Identified at Site
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA’s programs. The vision for ICIS is to replace EPA’s independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

PCS (Permit Compliance System) 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.

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.

SDWIS [WS] (Safe Drinking Water Information System (Water System)). Water Systems can have one or more water system facilities. The water system will
### NAVAL AIR WARFARE CTR (Continued)

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<tr>
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**Site Details:**
- **Site Name:** WILLOW GROVE NAVAL AIR AND AIR RESERVE STATION
- **Status Date:** 09/29/1995
- **Site City:** HORSHAM
- **Site State:** PA
- **Federal Site:** Federal Facility
- **HRS Score:** 50.00
- **GW Score:** 100.00
- **SW Score:** 0.00
- **Air Score:** Not reported
- **Soil Score:** Not reported
- **DC Score:** Not reported
- **FE Score:** Not reported

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
NAVAL AIR WARFARE CTR (Continued)

Site Status: Final
Status Date: 09/29/1995
Site City: HORSHAM
Site State: PA
Federal Site: Federal Facility
HRS Score: 0.00
GW Score: 0.00
SW Score: 0.00
Air Score: Not reported
Soil Score: Not reported
DC Score: Not reported
FE Score: Not reported

Substance Details:
Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: A046
CAS #: 1336-36-3
Substance: POLYCHLORINATED BIPHENYLS
Pathway: GROUND WATER PATHWAY
Scoring: 4

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: C596
CAS #: 540-59-0
Substance: DICHLOROETHENE, 1,2-
Pathway: GROUND WATER PATHWAY
Scoring: 2

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: U076
CAS #: 75-34-3
Substance: DICHLOROETHANE, 1,1-
Pathway: GROUND WATER PATHWAY
Scoring: 2

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: U078
CAS #: 75-35-4
Substance: DICHLOROETHENE, 1,1-
Pathway: GROUND WATER PATHWAY
Scoring: 2

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: U210
CAS #: 127-18-4
Substance: TETRACHLOROETHENE
Pathway: GROUND WATER PATHWAY
Scoring: 2

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: U227
CAS #: 79-00-5
Substance: TRICHLOROETHANE, 1,1,2-
Pathway: NO PATHWAY INDICATED
NAVAL AIR WARFARE CTR (Continued)

Scoring: 1
Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: U228
CAS #: 79-01-6
Substance: TRICHLOROETHYLENE (TCE)
Pathway: GROUND WATER PATHWAY
Scoring: 2
Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: Not reported
CAS #: Not reported
Substance: Not reported
Pathway: Not reported
Scoring: Not reported

Summary Details:

"Conditions at Proposal (August 23, 1994): Willow Grove Naval Air Station (WGNAS) occupies an airfield established in 1919, approximately 25 miles north of Philadelphia, Pennsylvania. The adjacent facility, Willow Grove Air Reserve Station (WGARS), was known as Willow Grove Air Reserve Facility before October 1992. The two facilities perform similar operations, jointly use onsite waste disposal facilities, and have nearby sources. There are no barriers between the facilities that prevent migration of contaminants, and the same people are affected by the contaminants. Therefore, WGNAS and WGARS are regarded as one site. Aircraft operations at Willow Grove began during the 1920s, when the facility was named Pitcairn Airfield.

d. The US Navy acquired the airfield in 1942 and jet training began there in 1949. WGNAS and WGARS expanded and, by 1986, encompassed 1,015 acres. Of that area, 162 acres are owned by the Air Force Reserve and operated as WGARS. Most of WGARS was acquired from private owners; the remainder was acquired from the Navy. WGNAS and WGARS provide materials, facilities, services, and training in direct support of all units assigned to them. Activities that generate, store, or dispose of hazardous waste at the facilities can be grouped into four categories: aircraft maintenance, base civil engineering, fuel operation, and personnel training. There are four landfills on WGNAS and WGARS property, several hazardous waste storage areas, a wastewater retention basin, a wastewater treatment plant, and numerous other structures, including aircraft hangars, training facilities, maintenance shops, office buildings, fuel tanks, and barracks.

Three sources of potential contamination have been evaluated at the site: Privet Road Landfill, Source 1N; the Fire Training Area, Source 5N; and the Washrack Area, Source 1A. Analysis of ground water samples collected from wells located near these sources detected eight compounds at high levels of contamination. Those compounds are trichloroethene (TCE), tetrachloroethene (PCE), polychlorinated biphenyls (PCBs), 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, and 1,2-dichloroethene. Analysis of ground water samples obtained from a drinking water well at WGNAS showed levels of PCE above health-based benchmarks. Approximately 821 employees at the 2 facilities are served by a contaminated well.

Status (September 1995): EPA is currently considering..."
NAVAL AIR WARFARE CTR (Continued)

Site Status Details:
- NPL Status: Final
- Proposed Date: 08/23/1994
- Final Date: 09/29/1995
- Deleted Date: Not reported

RCRA Info:
- Owner: US NAVAL AIR STATION WILLOW GROVE PA
  (215) 443-6267
- EPA ID: PA4170000158
- Contact: ROBERT EARLSTON
  (215) 443-6267
- Classification: Large Quantity Generator
- TSDF Activities: Not reported

BIENNIAL REPORTS:
- Last Biennial Reporting Year: 2003

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<td>5.00</td>
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<td>4246.00</td>
<td>D008</td>
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<td>D011</td>
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Violation Status: Violations exist
- Regulation Violated: Not reported
- Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
- Date Violation Determined: 03/06/1990
- Actual Date Achieved Compliance: 09/22/1992
  - Enforcement Action: WRITTEN INFORMAL
  - Enforcement Action Date: 05/01/1990
  - Penalty Type: Not reported

Regulation Violated: Not reported
- Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
- Date Violation Determined: 03/06/1990
- Actual Date Achieved Compliance: 09/22/1992

Regulation Violated: Not reported
- Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
- Date Violation Determined: 01/24/1989
- Actual Date Achieved Compliance: 09/22/1992
  - Enforcement Action: FINAL FEDERAL FACILITY COMPLIANCE AGREEMENT
  - Enforcement Action Date: 06/20/1991
  - Penalty Type: Not reported

Regulation Violated: Not reported
- Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
- Date Violation Determined: 09/29/1989
- Actual Date Achieved Compliance: Not reported
  - Enforcement Action: FEDERAL FACILITY REFERRAL TO EPA HQ

TC01761271.2r Page 21 of 82
There are 8 violation record(s) reported at this site:

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#### PA MANIFEST:
- **Manifest Number:** PAH073937
- **Manifest Type:** T
- **Generator Epa Id:** PA4170000158
- **Generator Date:** 01/15/2004
- **Mailing Address:** CODE 992P BLDG 642
- **Mailing City,St,Zip:** WILLOW GROVE, PA 19090
- **Contact Name:** WILLIAM N HEIL
- **Contact Phone:** 215-443-6938
- **TSD EPA Id:** PAD987266715
- **TSD Date:** 01/15/2004
- **TSD Facility Name:** SAFETY KLEEN SYSTEMS INC 2-139-01
- **TSD Facility Address:** 77 TOWPATH RD
- **TSD Facility City:** FAIRLESS HILLS
- **TSD Facility State:** PA
- **Page Number:** 1.00000
- **Line Number:** 1.00000
- **Waste Number:** D039
- **Container Number:** 1.00000
- **Container Type:** DM
- **Waste Quantity:** 15.00000
- **Unit:** G
- **Handling Code:** Not reported
- **TSP EPA Id:** TXR000050930
- **Date TSP Sig:** 01/15/2004

*Click this hyperlink while viewing on your computer to access 43 additional PA MANIFEST: record(s) in the EDR Site Report.*

#### RI MANIFEST:
- **Manifest Docket Number:** CTF0016922
- **Waste Description:** TOLUENE/ACETONE
- **Quantity:** 200.00
- **Wt/Vol Units:** P
- **Item Number:** 1
- **Transporter Name:** SEALAND
- **Transporter EPA ID:** CTD983872748
- **GEN Cert Date:** 5/20/1992 0:00:00
- **Transporter Recpt Date:** Not reported
- **Transporter 2 Recpt Date:** Not reported
- **TSDF Recpt Date:** Not reported
- **EPA ID:** PA4170000158
- **Number Of Containers:** 0
- **Container Type:** Not reported
- **Waste Code 1:** D001

TC01761271.2r  Page 23 of 82
NAVAL AIR WARFARE CTR (Continued)

| Waste Code 2: | Not reported |
| Waste Code 3: | Not reported |
| Waste Code 4: | Not reported |
| Waste Code 5: | Not reported |
| Waste Code 6: | Not reported |
| Comment: | Not reported |
| Fee Exempt Code: | Not reported |
| TSDF Name: | CT TRTMT |
| TSDF ID: | CTD000604488 |
| Data Source: | Not reported |
| Date Imported: | Not reported |
| Transporter 2 Name: | Not reported |
| Transporter 2 ID: | Not reported |
| Quantity in LBS.: | 0 |
| Fee Reported: | Not reported |

NY MANIFEST:

| Document ID: | NYB5685399 |
| Manifest Status: | C |
| Trans1 State ID: | 10742PNY |
| Trans2 State ID: | Not reported |
| Generator Ship Date: | 951004 |
| Trans1 Recv Date: | 951004 |
| Trans2 Recv Date: | Not reported |
| TSD Site Recv Date: | 951005 |
| Part A Recv Date: | 951020 |
| Part B Recv Date: | 951019 |
| Generator EPA ID: | PA4170000158 |
| Trans1 EPA ID: | NYD980769947 |
| Trans2 EPA ID: | Not reported |
| TSDF ID: | NYD000418175 |
| Waste Code: | D009 - MERCURY 0.2 MG/L TCLP |
| Quantity: | 00070 |
| Units: | P - Pounds |
| Number of Containers: | 001 |
| Container Type: | DF - Fiberboard or plastic drums (glass) |
| Handling Method: | R Material recovery of more than 75 percent of the total material. |
| Specific Gravity: | 100 |
| Year: | 95 |
| Facility Type: | Generator |
| EPA ID: | PA4170000158 |
| Facility Name: | UNITED STATES MILITARY |
| Facility Address: | WILLOW GROVE N.A.S. |
| Facility City: | WILLOW GROVE |
| Facility Zip 4: | Not reported |
| Country: | Not reported |
| County: | Not reported |
| Mailing Name: | UNITED STATES MILITARY |
| Mailing Contact: | Not reported |
| Mailing Address: | WILLOW GROVE N.A.S. B.78/RT611 |
| Mailing City: | WILLOW GROVE |
| Mailing State: | PA |
| Mailing Zip: | 19090 |
| Mailing Zip4: | Not reported |
| Mailing Country: | Not reported |
| Mailing Phone: | 215-443-6297 |
## NAVAL AIR WARFARE CTR (Continued)

Click this hyperlink while viewing on your computer to access
153 additional NY MANIFEST: record(s) in the EDR Site Report.

### NJ MANIFEST:
- **Manifest Code:** NJA3172581
- **EPA ID:** PA4170000158
- **Date Shipped:** 20040218
- **TSDF EPA ID:** NJD002454544
- **Transporter EPA ID:** NJD002454544
- **Transporter 2 EPA ID:** Not reported
- **Date Trans1 Transported Waste:** 040218
- **Date Trans2 Transported Waste:** 000000
- **Date TSDF Received Waste:** 040218
- **Tranporter 1 Decal:** Not reported
- **Tranporter 2 Decal:** Not reported
- **Data Entry Number:** 03190421
- **Reference Manifest Number:** Not reported
- **Waste Load Rejected (Y/N):** No
- **Reason Load Was Rejected:** Not reported
- **Waste Code:** F005
- **Quantity:** 40
- **Unit:** P
- **Hand Code:** T04

### Manifest Code:
- **Manifest Code:** NJA5037294
- **EPA ID:** PA4170000158
- **Date Shipped:** 20040218
- **TSDF EPA ID:** NJD002454544
- **Transporter EPA ID:** NJD002454544
- **Transporter 2 EPA ID:** Not reported
- **Date Trans1 Transported Waste:** 040218
- **Date Trans2 Transported Waste:** 000000
- **Date TSDF Received Waste:** 040218
- **Tranporter 1 Decal:** Not reported
- **Tranporter 2 Decal:** Not reported
- **Data Entry Number:** 03190421
- **Reference Manifest Number:** Not reported
- **Waste Load Rejected (Y/N):** No
- **Reason Load Was Rejected:** Not reported
- **Waste Code:** D011
- **Quantity:** 46
- **Unit:** P
- **Hand Code:** T04

### Waste Code:
- **Waste Code:** D001
- **Quantity:** 180
- **Unit:** P
- **Hand Code:** T04

### Waste Code:
- **Waste Code:** D007
- **Quantity:** 131
- **Unit:** P
- **Hand Code:** T04
### NAVAL AIR WARFARE CTR (Continued)

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<tr>
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- **Manifest Code:** NJA3172571
- **EPA ID:** PA4170000158
- **Date Shipped:** 20040310
- **TSDF EPA ID:** NJD002454544
- **Transporter EPA ID:** PAD014286009
- **Transporter 2 EPA ID:** Not reported
- **Date Trans1 Transported Waste:** 040310
- **Date Trans2 Transported Waste:** 000000
- **Date TSDF Received Waste:** 040310
- **Tranporter 1 Decal:** Not reported
- **Tranporter 2 Decal:** Not reported
- **Data Entry Number:** 04020421
- **Reference Manifest Number:** Not reported
- **Was Load Rejected (Y/N):** No
- **Reason Load Was Rejected:** Not reported

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- **Manifest Code:** NJA3172572
- **EPA ID:** PA4170000158
- **Date Shipped:** 20040310
- **TSDF EPA ID:** NJD002454544
- **Transporter EPA ID:** PAD014286009
- **Transporter 2 EPA ID:** Not reported
- **Date Trans1 Transported Waste:** 040310
- **Date Trans2 Transported Waste:** 000000
- **Date TSDF Received Waste:** 040310
- **Tranporter 1 Decal:** Not reported
- **Tranporter 2 Decal:** Not reported
- **Data Entry Number:** 04020421
- **Reference Manifest Number:** Not reported
- **Was Load Rejected (Y/N):** No
- **Reason Load Was Rejected:** Not reported

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Manifest Code: NJA5030736
EPA ID: PA4170000158
Date Shipped: 20040609
TSDF EPA ID: NJD002454544
Transporter EPA ID: NJD002454544
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 040609
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 040609
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 06170425
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

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**NAVAL AIR WARFARE CTR** (Continued)
### NAVAL AIR WARFARE CTR (Continued)

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EPA ID: PA4170000158
Date Shipped: 20040922
TSDF EPA ID: NJD002454544
Transporter EPA ID: PAR000043752
Transporter 2 EPA ID: PAD014286009
Date Trans1 Transported Waste: 040922
Date Trans2 Transported Waste: 040922
Date TSDF Received Waste: 040923
NAVAL AIR WARFARE CTR (Continued)

Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 10250422
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Waste Code: D002
Quantity: 34
Unit: P
Hand Code: T04

Waste Code: D001
Quantity: 5
Unit: P
Hand Code: T04

CT MANIFEST:

Year: 1996
Manifest ID: PAE5587783
TSDF EPA ID: NCD077840148
TSDF Name: SAFETY KLEEN
TSDF Address: 6182 OLD MENDENHALL RD.
TSDF City,St,Zip: ARCHDALE, NC
TSDF Country: USA
TSDF Telephone: Not reported
Transport Date: 05/31/96
Transporter EPA ID: ILD984908202
Transporter Name: SAFETY KLEEN CORP
Transporter Country: USA
Transporter Phone: Not reported
Trans 2 Date: / / 
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
Trans 2 Address: Not reported
Trans 2 City,St,Zip: CT
Trans 2 Country: USA
Trans 2 Phone: Not reported
Generator EPA ID: PA4170000158
Generator Phone: 2154436930
Generator Address: Not reported
Generator City,State,Zip: Not reported
Generator Country: Not reported
Special Handling: Not reported
Discrepancies: Not reported
Date Shipped: 05/31/96
Date Received: / / 
Last modified date: 04/26/04
Last modified by: IG
Comments: Not reported

Click this hyperlink while viewing on your computer to access
35 additional CT MANIFEST: record(s) in the EDR Site Report.
There are 1 violation record(s) reported at this site:

Evaluation | Area of Violation | Date of Compliance
--- | --- | ---
Compliance Evaluation Inspection | GENERATOR-ALL REQUIREMENTS (OVERSIGHT) | 19961231

FINDS:

Other Pertinent Environmental Activity Identified at Site

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.

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.
FINDINGS:
Other Pertinent Environmental Activity Identified at Site

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

PCS (Permit Compliance System) 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.

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.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
Click this hyperlink while viewing on your computer to access
13 additional PA MANIFEST: record(s) in the EDR Site Report.
Click this hyperlink while viewing on your computer to access 1 additional NY MANIFEST: record(s) in the EDR Site Report.
WILLOW GROVE AIR FORCE RESERVE STA (Continued)

AST:
Mailing Name: USAF
Mailing Address: US AIR FORCE RESERVE
Mailing Address: 2164 MCGUIRE ST
Mailing City,St,Zip: WILLOW GROVE, PA 19090-5232
Municipality: Horsham
Client Id: 86710
Site ID: 458536
Other Id: 46-25723
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 008A
Tank Capacity: 2500
Date Installed: 1994-04-03
Substance: Aviation Gasoline
Tank Status: AVGAS
Inspection Code: Not reported
Tank Last Inspected: Not reported
Regulated Exp Date: 2007-02-04 00:00:00

Mailing Name: USAF
Mailing Address: US AIR FORCE RESERVE
Mailing Address: 2164 MCGUIRE ST
Mailing City,St,Zip: WILLOW GROVE, PA 19090-5232
Municipality: Horsham
Client Id: 86710
Site ID: 458536
Other Id: 46-25723
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 009A
Tank Capacity: 560
Date Installed: 2004-12-16
Substance: Other
Tank Status: OTHER
Inspection Code: Not reported
Tank Last Inspected: Not reported
Regulated Exp Date: 2007-02-04 00:00:00

ARCHIVE AST:
Facility ID: 46-25723
Site ID: Not reported
Tank ID: 44194
Tank Sequence #: 001A
Other ID: Not reported
Tank Code: Not reported
Client ID: Not reported
Municipality: Not reported
Install Date: 19580101
Status: CURRENTLY IN USE
Substance: AVIATION FUEL
Capacity: 00210000
Owner ID: 9973
Owner Name: 913 Airlift Wing
Owner Phone: 2154431108
Owner Address: US AIR FORCE RESERVE
Owner Address: 2164 MCGUIRE ST
Owner City,St,Zip: WILLOW GROVE, PA 19090-5232
### WILLOW GROVE AIR FORCE RESERVE STA (Continued)

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### HORSHAM MOTOR LODGE

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HORSHAM MOTOR LODGE (Continued)

Site Size: Not reported
Cleanup: Statewide Health
Cleanup Indicator: Not reported
Response Date: 10/1/2001
Category Desc: Not reported
Land Designation: Not reported

Rec ID: 1446
Activity ID: Not reported
Municipality: Horsham
Region: Southeast
Site Size: Not reported
Cleanup: Statewide Health
Cleanup Indicator: Not reported
Response Date: 10/1/2001
Category Desc: Unleaded Gasoline
Land Designation: Not reported

UNREG LTANKS:
Region: South East
Class: Cleanup of Tanks using authorities other than Act 32
Closed: Not reported
Contaminant: FUEL OIL #6

ACT 2-DEED:
Record ID: 445
Region: Southeast
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 10/1/2001
Category Description: Not reported
Land Designation Code: Not reported

11  WAWA FOOD MARKET #285  FINDS  1007213903
1510 EASTON RD  110016714420
HORSHAM, PA  19044

FINDS:
Other Pertinent Environmental Activity Identified at Site

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11  WAWA 285
1510 EASTON RD
HORSHAM, PA  19044

UST:
  Municipality Name: Horsham
  Client Id Number: 132506
  Mailing Name: WAWA INC
  Mailing Address: 260 W BALTIMORE PIKE
  Mailing Address 2: Not reported
  Mailing City,St,Zip: WAWA, PA 19063-5699
  Site ID: 583966
  Other Id: 46-38224
  2nd Facility Addr: Not reported
  Region Code: EP SE Rgnl Off
  Regulated Expiration: 2006-02-04 00:00:00
  Tank Seq No: 001
  Tank Code: UST
  Date Installed: 2001-06-01
  Capacity: 20000
  Substance: Gasoline
  Tank Status: Currently in Use
  Inspection Code: FOI
  Tank Last Dt Inspected: 2002-03-08 00:00:00
  Region Code: 4100

Municipality Name: Horsham
Client Id Number: 132506
Mailing Name: WAWA INC
Mailing Address: 260 W BALTIMORE PIKE
Mailing Address 2: Not reported
Mailing City,St,Zip: WAWA, PA 19063-5699
Site ID: 583966
Other Id: 46-38224
2nd Facility Addr: Not reported
Region Code: EP SE Rgnl Off
Regulated Expiration: 2006-02-04 00:00:00
Tank Seq No: 002
Tank Code: UST
Date Installed: 2001-06-01
Capacity: 20000
Substance: Gasoline
Tank Status: Currently in Use
Inspection Code: FOI
Tank Last Dt Inspected: 2002-03-08 00:00:00
Region Code: 4100
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#### 12 GULF 153494

**1069 COUNTY LINE RD**

**HATBORO, PA 19040**

**LUST:**

- Facility Id: 09-09111
- Facility Type: Underground Storage Tank Containing Petroleum
- Facility Status: Interim Remedial Actions Initiated or Completed
- Status Date: Not reported
- Release Date: 2001-12-21 00:00:00
- Region: South East
- Description: CUMBERLAND GULF 1069

**ARCHIVE UST:**

- Facility Id: 566425
- Site ID: Not reported
- Tank Id: Not reported
- Other Id: Not reported
- Client Date: Not reported
- Install Date: 01/01/1981
- Substance: GAS
- Owner Id: Not reported
- Owner Name: Not reported
- Owner Address: Not reported
- Owner City,St,Zip: Not reported
- Owner Phone: Not reported
- County Code: Not reported
- Resp Party Name: Not reported
- RP Address: Not reported
- RP Address 2: Not reported
- RP City,St,Zip: Not reported
- Region Code: Not reported
- Region Code Name: Not reported
- Regulated Expire Date: Not reported
- Inspection Code: Not reported
- Last Inspection: Not reported
- Status Code End Date: Not reported
- Tank Substance End Date: Not reported

- Facility Id: 566425
- Site ID: Not reported
- Tank Id: Not reported
- Other Id: Not reported
- Client Date: Not reported
- Install Date: 01/01/1981
- Substance: GAS
- Owner Id: Not reported
- Owner Name: Not reported
- Owner Address: Not reported

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TC01761271.2r  Page 40 of 82
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<td>Tank Substance End Date</td>
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GULF 153494 (Continued)

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Region Code: Not reported
Region Code Name: Not reported
Regulated Expire Date: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Status Code End Date: Not reported
Tank Substance End Date: Not reported

Facility Id: 566425
Tank Id: Not reported
Other Id: Not reported
Client Date: Not reported
Install Date: 01/01/1985
Substance: USDOL
Owner Id: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City, St, Zip: Not reported
Owner Phone: Not reported
County Code: Not reported
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City, St, Zip: Not reported
Region Code: Not reported
Region Code Name: Not reported
Regulated Expire Date: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Status Code End Date: Not reported
Tank Substance End Date: Not reported

12

PROPATO BROS INC
1131 W COUNTY LINE RD
CHALFONT, PA

LUST: S105799976

Facility Id: 09-43316
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Inactive
Status Date: 1999-12-31 00:00:00
Release Date: 1999-03-05 00:00:00
Region: South East
Description: PROPATO BROS INC
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.

**D C A INCORPORATED**
1424 EASTON ROAD
HORSHAM, PA 19044

- **Owner:** D C A INC
  (215) 555-1212
- **EPA ID:** PAD108223504
- **Contact:** WILLIAM RAPP
  (215) 443-5580
- **Classification:** Small Quantity Generator
- **TSDF Activities:** Not reported
- **Violation Status:** No violations found

**FINDS:**
Other Pertinent Environmental Activity Identified at Site

**C & C FORD SALES**
1100 EASTON ROAD - ROUTE 611
HORSHAM, PA 19044

- **Owner:** OPERNAME
  (215) 555-1212
- **EPA ID:** PAD014227524
- **Contact:** Not reported
- **Classification:** Small Quantity Generator
- **TSDF Activities:** Not reported
- **Violation Status:** Violations exist

**Regulation Violated:** 25 pa code 265.173(a)
**Area of Violation:** GENERATOR-GENERAL REQUIREMENTS
**Date Violation Determined:** 12/30/1998
**Actual Date Achieved Compliance:** 05/18/1999

**Regulation Violated:** 25 pa code 262.34(a)(4)
**Area of Violation:** GENERATOR-GENERAL REQUIREMENTS
**Date Violation Determined:** 12/30/1998
**Actual Date Achieved Compliance:** 12/30/1998

**Regulation Violated:** 25 pa code 265.201(b)(2)
**Area of Violation:** GENERATOR-GENERAL REQUIREMENTS
**Date Violation Determined:** 12/30/1998
**Actual Date Achieved Compliance:** 05/28/1999

**Regulation Violated:** 25 pa code 265.201(c)(4)
**Area of Violation:** GENERATOR-GENERAL REQUIREMENTS
**Date Violation Determined:** 12/30/1998
C & C FORD SALES (Continued)

Actual Date Achieved Compliance: 05/28/1999
Regulation Violated: 25 pa code 265.201(e)(1)(ii)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 12/30/1998
Actual Date Achieved Compliance: 05/18/1999
Regulation Violated: 25 pa code 262.11
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 12/30/1998
Actual Date Achieved Compliance: 05/18/1999

There are 6 violation record(s) reported at this site:

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<tr>
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<tr>
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FINDS:

Other Pertinent Environmental Activity Identified at Site

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.

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 MANIFEST:

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<tr>
<th>Manifest Number:</th>
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<tr>
<td>Mailing Address:</td>
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<tr>
<td>Mailing City, St, Zip:</td>
<td>HORSHAM, PA 19044</td>
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<tr>
<td>Contact Name:</td>
<td>LUDWIG EICHNER</td>
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<tr>
<td>Contact Phone:</td>
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C & C FORD SALES (Continued) 1000105902

Container Type: DM
Waste Quantity: 200.00000
Unit: P
Handling Code: Not reported
Tsp Epa Id: PAD014146179
Date Tsp Sig: 02/02/2005

Click this hyperlink while viewing on your computer to access
2 additional PA MANIFEST: record(s) in the EDR Site Report.

NY MANIFEST:
Document ID: NYA9475367
Manifest Status: C
Trans1 State ID: PAYE19054
Trans2 State ID: Not reported
Generator Ship Date: 890515
Trans1 Recv Date: 890515
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890519
Part A Recv Date: 890517
Part B Recv Date: 890526
Generator EPA ID: PAD014227524
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NYD980753784
Waste Code: F003 - UNKNOWN
Quantity: 00027
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 89
Facility Type: Generator
EPA ID: PAD014227524
Facility Name: C & C FORD BODY SHOP
Facility Address: EASTON ROAD
Facility City: HORSHAM
Facility Zip 4: Not reported
Country: Not reported
County: C & C FORD SALES (Continued) 1000105902

Click this hyperlink while viewing on your computer to access
43 additional NY MANIFEST: record(s) in the EDR Site Report.
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**C & C FORD SALES**  
1100 EASTON RD  
HORSHAM, PA 19044

- **UST:**
  - Municipality Name: Horsham
  - Client Id Number: 51980
  - Mailing Name: C & C FORD SALES INC
  - Mailing Address: 1100 EASTON RD
  - Mailing Address 2: Not reported
  - Mailing City,St,Zip: HORSHAM, PA 19044
  - Site ID: 247404
  - Other Id: 46-00626
  - 2nd Facility Addr: Not reported
  - Region Code: EP SE Rgnl Off
  - Regulated Expiration: 2006-02-04 00:00:00
  - Tank Seq No: 001
  - Date Installed: 1989-04-01
  - Capacity: 6000
  - Substance: Gasoline
  - Tank Status: Currently in Use
  - Inspection Code: FOI
  - Tank Last Dt Inspected: 2002-01-02 00:00:00
  - Region Code: 4100

**FINDS:**
- Other Pertinent Environmental Activity Identified at Site

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.

**DOUBLE VISIONS**  
1138-42 EASTON RD  
HORSHAM, PA 19044

- **FINDS:**
  - EPA ID: 1007664705
  - Mailing City,St,Zip: HORSHAM, PA 19044

**EDON CORPORATION**  
1160 EASTON RD  
HORSHAM, PA 19044

- **RCRA-SQG**
  - Owner: OPERNAME
  - EPA ID: PAD042715342
  - Contact: Not reported
  - Classification: Small Quantity Generator
  - TSDF Activities: Not reported

**BIENNIAL REPORTS:**
- Last Biennial Reporting Year: 2003

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TC01761271.2r  Page 46 of 82
## FINDS:

Other Pertinent Environmental Activity Identified at Site

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

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.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
### EDON CORPORATION (Continued)

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<th>Date Tsp Sig</th>
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Click this hyperlink while viewing on your computer to access 23 additional PA MANIFEST record(s) in the EDR Site Report.

---

### OMNIPAC LLC

**1196 EASTON ROAD**

**HORSHAM, PA 19044**

**RCRAInfo:**

- **Owner:** OPERNAME
  
  (215) 555-1212

- **EPA ID:** PAD002516565

- **Contact:** JAMES PREM
  
  (215) 443-9999

**Classification:** Small Quantity Generator

**TSDF Activities:** Not reported

**Violation Status:** Violations exist

- **Regulation Violated:** Not reported
- **Area of Violation:** GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
- **Date Violation Determined:** 09/30/1987
- **Actual Date Achieved Compliance:** 04/30/1990

- **Enforcement Action:** WRITTEN INFORMAL
- **Enforcement Action Date:** 09/21/1988
- **Penalty Type:** Proposed Monetary Penalty

- **Regulation Violated:** Not reported
- **Area of Violation:** GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
- **Date Violation Determined:** 09/30/1987
- **Actual Date Achieved Compliance:** 06/03/1988

- **Enforcement Action:** WRITTEN INFORMAL
- **Enforcement Action Date:** 10/01/1987
- **Penalty Type:** Not reported

There are 2 violation record(s) reported at this site:

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<tr>
<th>Evaluation</th>
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<tbody>
<tr>
<td>Compliance Evaluation Inspection</td>
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**FINDS:**

Other Pertinent Environmental Activity Identified at Site

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the
national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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<tr>
<td>Contact Name: JANICE WATTON</td>
</tr>
<tr>
<td>Contact Phone: 215-441-4644</td>
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<tr>
<td>TSD Epai: KYD053348108</td>
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<tr>
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Click this hyperlink while viewing on your computer to access 11 additional PA MANIFEST: record(s) in the EDR Site Report.

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</table>
Click this hyperlink while viewing on your computer to access 8 additional NY MANIFEST record(s) in the EDR Site Report.
FINDS:
Other Pertinent Environmental Activity Identified at Site

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

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14  FLEXO FIRST INC
1196 EASTON RD
HORSHAM, PA  19044

RCRAInfo:
Owner: ROGER KEHR
(666) 666-6666
EPA ID: PAD987358579
Contact: JAMES PREM
(215) 957-4300
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

14  EMC INDUSTRIES INC
1200 EASTON RD
HORSHAM, PA  19044

RCRAInfo:
Owner: EMC INDUSTRIES INC
(215) 555-1212
EPA ID: PAD099097123
Contact: MARK MESSA
(215) 441-4308
Classification: Small Quantity Generator
TSDF Activities: Not reported
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.

**EMC INDUSTRIES (Continued)**

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

**AST:**
- Mailing Name: CENTOCOR INC
- Mailing Address: 200 GREAT VALLEY PKY
- Mailing Address: Not reported
- Mailing City, St, Zip: MALVERN, PA 19355-1307
- Municipality: Horsham
- Client Id: 81006
- Site Id: 583961
- Other Id: 46-38106
- 2nd Facility Addr: Not reported
- Region Code: 4100
- Region Code Name: EP SE Rgnl Off
- Tank Code: AST
- Tank Seq Num: 001A
- Tank Capacity: 2200
- Date Installed: 2000-08-01
- Substance: Diesel Fuel
- Tank Status: DIESEL
- Inspection Code: Not reported
- Tank Last Inspected: Not reported
- Regulated Exp Date: 2006-02-04 00:00:00

**LEEDS & NORTHRUP**

**FINDS**

**RCRA-SQG** 1000151149

**PAD071608301**
LEEDS & NORTHRUP (Continued)

RCRAInfo:
  Owner: OPERNAME
  (215) 555-1212
  EPA ID: PAD071608301
  Contact: EARL ARMITAGE
            (215) 616-2420
  Classification: Small Quantity Generator
  TSDF Activities: Not reported
  Violation Status: No violations found

FINDS:
  Other Pertinent Environmental Activity Identified at Site

  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.
<table>
<thead>
<tr>
<th>Map ID</th>
<th>Direction</th>
<th>Distance</th>
<th>Distance (ft.)</th>
<th>Site</th>
<th>EDR ID Number</th>
<th>Database(s)</th>
<th>EPA ID Number</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4100</td>
<td></td>
<td></td>
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</table>

**MAP FINDINGS**

<table>
<thead>
<tr>
<th>Region Code:</th>
<th>Not reported</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank Last Dt Inspected:</td>
<td>FOI</td>
</tr>
<tr>
<td>Currently in Use</td>
<td></td>
</tr>
</tbody>
</table>

**UST:**

- **Facility Id:** 46-32134
- **Facility Type:** Underground Storage Tank Containing Petroleum
- **Facility Status:** Interim Remedial Actions Initiated or Completed
- **Status Date:** Not reported
- **Release Date:** 1995-12-28 00:00:00
- **Region:** South East
- **Description:** GAS STAR

**UST:**

- **Municipality Name:** Horsham
- **Client Id Number:** 184260
- **Mailing Name:** JOT FUEL INC
- **Mailing Address:** 2328 FERNCROFT CIR
- **Mailing Address 2:** Not reported
- **Mailing City,St,Zip:** BOOTHWYN, PA 19061
- **Site ID:** 465986
- **Other Id:** 46-32134
- **2nd Facility Addr:** Not reported
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2007-02-04 00:00:00
- **Tank Seq No:** 007
- **Tank Code:** UST
- **Date Installed:** 1996-11-05
- **Capacity:** 12000
- **Substance:** Gasoline
- **Tank Status:** Currently in Use
- **Inspection Code:** FOI
- **Tank Last Dt Inspected:** Not reported
- **Region Code:** 4100

**UST:**

- **Municipality Name:** Horsham
- **Client Id Number:** 184260
- **Mailing Name:** JOT FUEL INC
- **Mailing Address:** 2328 FERNCROFT CIR
- **Mailing Address 2:** Not reported
- **Mailing City,St,Zip:** BOOTHWYN, PA 19061
- **Site ID:** 465986
- **Other Id:** 46-32134
- **2nd Facility Addr:** Not reported
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2007-02-04 00:00:00
- **Tank Seq No:** 006
- **Tank Code:** UST
- **Date Installed:** 1996-11-05
- **Capacity:** 8000
- **Substance:** Gasoline
- **Tank Status:** Currently in Use
- **Inspection Code:** FOI
- **Tank Last Dt Inspected:** Not reported
- **Region Code:** 4100

**UST:**

- **Municipality Name:** Horsham
- **Client Id Number:** 184260
- **Mailing Name:** JOT FUEL INC
- **Mailing Address:** 2328 FERNCROFT CIR
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- **Mailing City,St,Zip:** BOOTHWYN, PA 19061
- **Site ID:** 465986
- **Other Id:** 46-32134
- **2nd Facility Addr:** Not reported
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2007-02-04 00:00:00
- **Tank Seq No:** 006
- **Tank Code:** UST
- **Date Installed:** 1996-11-05
- **Capacity:** 8000
- **Substance:** Gasoline
- **Tank Status:** Currently in Use
- **Inspection Code:** FOI
- **Tank Last Dt Inspected:** Not reported
- **Region Code:** 4100

**UST:**

- **Municipality Name:** Horsham
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- **Capacity:** 8000
- **Substance:** Gasoline
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- **Tank Last Dt Inspected:** Not reported
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### Map Findings

<table>
<thead>
<tr>
<th>Map ID</th>
<th>Direction</th>
<th>Distance (ft.)</th>
<th>Site</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>17</td>
<td>HORSHAM, PA 19044</td>
<td>986 EASTON ROAD: NEXT DOOR TO CALLER ON RT 611</td>
<td>986 EASTON ROAD: NEXT DOOR TO CALLER ON RT 611</td>
<td>ERNS 96473459</td>
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Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

### Findings

<table>
<thead>
<tr>
<th>RCRA-SQG</th>
<th>FINDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA MANIFEST</td>
<td>PAD987343928</td>
</tr>
</tbody>
</table>

**TINIUS OLSEN TESTING MACH CO**

**1005 EASTON RD**

**HORSHAM, PA 19044**

**RCRAInfo:**

- **Owner:** TINIUS OLSEN TESTING MACH CO
- **EPA ID:** PAD987343928
- **Contact:** C_ROBERT TAIT III
- **Classification:** Conditionally Exempt Small Quantity Generator
- **TSDF Activities:** Not reported
- **Violation Status:** No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

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 MANIFEST:**

- **Manifest Number:** NJA5107752
- **Manifest Type:** T
- **Generator Epa Id:** PAD987343928
- **Generator Date:** 03/23/2005
- **Mailing Address:** PO BOX 429
- **Mailing City,St,Zip:** WILLOW GROVE, PA 19090
- **Contact Name:** ROBERT C TAIT
- **Contact Phone:** 215-675-7100
- **TSD Epa Id:** NJD002454544
- **TSD Date:** 03/23/2005
- **TSD Facility Name:** MARISOL INC
- **TSD Facility Address:** 125 FACTORY LN
- **TSD Facility City:** MIDDLESEX
- **TSD Facility State:** NJ
- **Page Number:** 1.00000
- **Line Number:** 1.00000
- **Waste Number:** F003
- **Container Number:** 4.00000
- **Container Type:** DM
**TINIUS OLSEN TESTING MACH CO** (Continued)

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<tr>
<td>Unit</td>
<td>G</td>
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<tr>
<td>Handling Code</td>
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<td>Tsp Epa Id</td>
<td>NJD002454544</td>
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**NY MANIFEST:**

- **Document ID:** NYB8444124
- **Manifest Status:** Not reported
- **Trans1 State ID:** NJD986607380
- **Trans2 State ID:** Not reported
- **Generator Ship Date:** 01/30/1998
- **Trans1 Recv Date:** 01/30/1998
- **Trans2 Recv Date:** Not reported
- **TSD Site Recv Date:** 02/03/1998
- **Part A Recv Date:** Not reported
- **Part B Recv Date:** Not reported
- **Generator EPA ID:** PAD987343928
- **Trans1 EPA ID:** NYD049178296
- **Trans2 EPA ID:** Not reported
- **TSDF ID:** NYJA334
- **Waste Code:** D002 - NON-LISTED CORROSIVE WASTES
- **Quantity:** 00005
- **Units:** G - Gallons (liquids only)* (8.3 pounds)
- **Number of Containers:** 001
- **Container Type:** DF - Fiberboard or plastic drums (glass)
- **Handling Method:** T Chemical, physical, or biological treatment.
- **Specific Gravity:** 01.00
- **Year:** 98
- **Facility Type:** Generator
- **EPA ID:** PAD987343928
- **Facility Name:** TINIUS OLSEN CO
- **Facility Address:** EASTON ROAD
- **Facility City:** WILLOW GROVE
- **Facility Zip 4:** Not reported
- **Country:** Not reported
- **County:** Not reported
- **Mailing Name:** TINIUS OLSEN CO
- **Mailing Contact:** MARK FERRY
- **Mailing Address:** EASTON ROAD
- **Mailing City:** WILLOW GROVE
- **Mailing State:** PA
- **Mailing Zip:** 19090
- **Mailing Zip4:** Not reported
- **Mailing Country:** Not reported
- **Mailing Phone:** 215-675-7100

**Click this hyperlink while viewing on your computer to access additional NY MANIFEST: detail in the EDR Site Report.**

---

**NJ MANIFEST:**

- **Manifest Code:** NJA5107752
- **EPA ID:** PAD987343928

**Click this hyperlink while viewing on your computer to access additional PA MANIFEST: detail in the EDR Site Report.**
## TINUIUS OLSEN TESTING MACH CO (Continued)

<table>
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<tr>
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<tr>
<td>Transporter EPA ID:</td>
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<tr>
<td>Transporter 2 EPA ID:</td>
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<tr>
<td>Date Trans1 Transported Waste:</td>
<td>050323</td>
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<td>Date Trans2 Transported Waste:</td>
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<tr>
<td>Date TSDF Received Waste:</td>
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<tr>
<td>Transporter 1 Decal:</td>
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<td>Transporter 2 Decal:</td>
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<tr>
<td>Data Entry Number:</td>
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<td>Reference Manifest Number:</td>
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<td>Was Load Rejected (Y/N):</td>
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<tr>
<td>Reason Load Was Rejected:</td>
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<td>Waste Code:</td>
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<td>Quantity:</td>
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<tr>
<td>Unit:</td>
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<td>Hand Code:</td>
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| Manifest Code:        | NJA5278535 |
| EPA ID:               | PAD987343928 |
| Date Shipped:         | 20051109   |
| TSDF EPA ID:          | NJD002454544 |
| Transporter EPA ID:   | NJD002454544 |
| Transporter 2 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 051109   |
| Date Trans2 Transported Waste: | 000000   |
| Date TSDF Received Waste: | 051109   |
| Transporter 1 Decal:  | Not reported |
| Transporter 2 Decal:  | Not reported |
| Data Entry Number:    | 01170622   |
| Reference Manifest Number: | Not reported |
| Was Load Rejected (Y/N): | No         |
| Reason Load Was Rejected: | Not reported |
| Waste Code:           | F003        |
| Quantity:             | 100         |
| Unit:                 | G           |
| Hand Code:            | T04         |

<p>| Manifest Code:        | NJA5034555 |
| EPA ID:               | PAD987343928 |
| Date Shipped:         | 20040519   |
| TSDF EPA ID:          | NJD002454544 |
| Transporter EPA ID:   | NJD002454544 |
| Transporter 2 EPA ID: | Not reported |
| Date Trans1 Transported Waste: | 040519   |
| Date Trans2 Transported Waste: | 000000   |
| Date TSDF Received Waste: | 040519   |
| Transporter 1 Decal:  | Not reported |
| Transporter 2 Decal:  | Not reported |
| Data Entry Number:    | 05270421   |
| Reference Manifest Number: | Not reported |
| Was Load Rejected (Y/N): | No       |
| Reason Load Was Rejected: | Not reported |</p>
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<th>TINIUS OLSEN TESTING MACH CO (Continued)</th>
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<th>WILLOW GROVE NAVAL AIR STATION</th>
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<td>WILLOW GROVE NAVAL AIR STATION</td>
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<td>WILLOW GROVE, PA</td>
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<td></td>
<td>ERNS 91226272</td>
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<tr>
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<tr>
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<td>ERNS 90191133</td>
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<tbody>
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<tr>
<td></td>
<td>WILLOW GROVE, PA 19090</td>
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<td></td>
<td>ERNS 92291606</td>
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<tr>
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<th>WILLOW GROVE NAVAL AIR STATION</th>
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<tbody>
<tr>
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<tr>
<td></td>
<td>WILLOW GROVE, PA</td>
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<tr>
<td></td>
<td>ERNS 92267798</td>
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<table>
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<tr>
<th>Map ID</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>U001095204</td>
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</table>

**Site ID: 46-44053**

**Facility ID:** 46-44053  
**Tank ID:** 122722  
**Other ID:** Not reported  
**Client ID:** Not reported  
**Install Date:** 19930201  
**Substance:** AVIATION FUEL  
**Capacity:** 00210000

**Owner ID:** 17965  
**Owner Name:** NAVAL AIR STA JRB WILLOW GROVE  
**Owner Phone:** 2157732104  
**Owner Address:** BUILDING 78 CODE 89  
**Owner Address 2:** RTE 611 & COUNTY LINE RD  
**Owner City,St,Zip:** WILLOW GROVE, PA 19090-5021  
**County Code:** 46  
**RP Address:** Not reported  
**RP Address 2:** Not reported  
**RP City,St,Zip:** Not reported  
**Region Code:** Not reported  
**Region Code Name:** Not reported  
**Regulated Exp Date:** Not reported  
**Inspection Code:** Not reported  
**Last Inspection:** Not reported  
**Status Code End Date:** Not reported  
**Tank Substance End Date:** Not reported

**Facility ID:** 46-44053  
**Tank ID:** 122722  
**Other ID:** Not reported  
**Client ID:** Not reported  
**Install Date:** 19930201  
**Substance:** POTASSIUM ACETATE  
**Capacity:** 00042000

**Owner ID:** 17965  
**Owner Name:** NAVAL AIR STA JRB WILLOW GROVE  
**Owner Phone:** 2157732104  
**Owner Address:** BUILDING 78 CODE 89  
**Owner Address 2:** RTE 611 & COUNTY LINE RD  
**Owner City,St,Zip:** WILLOW GROVE, PA 19090-5021  
**County Code:** 46  
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**RP Address 2:** Not reported  
**RP City,St,Zip:** Not reported  
**Region Code:** Not reported  
**Region Code Name:** Not reported  
**Regulated Exp Date:** Not reported  
**Inspection Code:** Not reported  
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**Status Code End Date:** Not reported  
**Tank Substance End Date:** Not reported

**Facility ID:** 46-44053  
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**Client ID:** Not reported  
**Install Date:** 19930201  
**Substance:** AVIATION FUEL  
**Capacity:** 00210000

**Owner ID:** 17965  
**Owner Name:** NAVAL AIR STA JRB WILLOW GROVE  
**Owner Phone:** 2157732104  
**Owner Address:** BUILDING 78 CODE 89  
**Owner Address 2:** RTE 611 & COUNTY LINE RD  
**Owner City,St,Zip:** WILLOW GROVE, PA 19090-5021  
**County Code:** 46  
**RP Address:** Not reported  
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**RP City,St,Zip:** Not reported  
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**Status Code End Date:** Not reported  
**Tank Substance End Date:** Not reported

**Facility ID:** 46-44053  
**Tank ID:** 122722  
**Other ID:** Not reported  
**Client ID:** Not reported  
**Install Date:** 19930201  
**Substance:** AVIATION FUEL  
**Capacity:** 00210000

**Owner ID:** 17965  
**Owner Name:** NAVAL AIR STA JRB WILLOW GROVE  
**Owner Phone:** 2157732104  
**Owner Address:** BUILDING 78 CODE 89  
**Owner Address 2:** RTE 611 & COUNTY LINE RD  
**Owner City,St,Zip:** WILLOW GROVE, PA 19090-5021  
**County Code:** 46  
**RP Address:** Not reported  
**RP Address 2:** Not reported  
**RP City,St,Zip:** Not reported  
**Region Code:** Not reported  
**Region Code Name:** Not reported  
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**Inspection Code:** Not reported  
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**Status Code End Date:** Not reported  
**Tank Substance End Date:** Not reported

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**Tank ID:** 122722  
**Other ID:** Not reported  
**Client ID:** Not reported  
**Install Date:** 19930201  
**Substance:** AVIATION FUEL  
**Capacity:** 00210000

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**Owner Phone:** 2157732104  
**Owner Address:** BUILDING 78 CODE 89  
**Owner Address 2:** RTE 611 & COUNTY LINE RD  
**Owner City,St,Zip:** WILLOW GROVE, PA 19090-5021  
**County Code:** 46  
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**Tank Substance End Date:** Not reported

**Facility ID:** 46-44053  
**Tank ID:** 122722  
**Other ID:** Not reported  
**Client ID:** Not reported  
**Install Date:** 19930201  
**Substance:** AVIATION FUEL  
**Capacity:** 00210000

**Owner ID:** 17965  
**Owner Name:** NAVAL AIR STA JRB WILLOW GROVE  
**Owner Phone:** 2157732104  
**Owner Address:** BUILDING 78 CODE 89  
**Owner Address 2:** RTE 611 & COUNTY LINE RD  
**Owner City,St,Zip:** WILLOW GROVE, PA 19090-5021  
**County Code:** 46  
**RP Address:** Not reported  
**RP Address 2:** Not reported  
**RP City,St,Zip:** Not reported  
**Region Code:** Not reported  
**Region Code Name:** Not reported  
**Regulated Exp Date:** Not reported  
**Inspection Code:** Not reported  
**Last Inspection:** Not reported  
**Status Code End Date:** Not reported  
**Tank Substance End Date:** Not reported
NAVAL AIR STA JRB WILLOW GROVE  (Continued)  U001095204

Install Date:  19701001  Status:  CURRENTLY IN USE
Substance:  TRANSMISSION FLUID  Capacity:  00001385
Owner ID:  17965
Owner Name:  NAVAL AIR STA JRB WILLOW GROVE
Owner Phone:  2157732104
Owner Address:  BUILDING 78 CODE 89
Owner Address 2:  RTE 611 & COUNTY LINE RD
Owner City,St,Zip:  WILLOW GROVE, PA 19090-5021
County Code:  46
Resp Party Name:  Not reported
RP Address:  Not reported
RP Address 2:  Not reported
RP City,St,Zip:  Not reported
Region Code:  Not reported
Region Code Name:  Not reported
Regulated Exp Date:  Not reported
Inspection Code:  Not reported
Last Inspection:  Not reported
Status Code End Date:  Not reported
Tank Substance End Date:  Not reported

17  HORSHAM MEM USARC  RCRA-SQG  1004778436
936 EASTON RD  FINDS  PAR000502534
HORSHAM, PA  19044

RCRAInfo:
Owner:  99TH REGIONAL SUPPORT COMMAND
(724) 693-2332
EPA ID:  PAR000502534
Contact:  KENDRA BORKA
(215) 443-1643
Classification:  Conditionally Exempt Small Quantity Generator
TSDF Activities:  Not reported
Violation Status:  No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

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.
**GILBERTSVILLE READY MIX PLT**  
252 WILSON AVE  
GILBERTSVILLE, PA  19525

**UST:**
- Municipality Name: Douglass
- Client Id Number: 25375
- Mailing Name: BERKS PROD CORP
- Mailing Address: PO BOX 421
- Mailing Address 2: Not reported
- Mailing City,St,Zip: READING, PA 19603
- Site ID: 454471
- Other Id: 46-07105
- 2nd Facility Addr: Not reported
- Region Code: EP SE Rgnl Off
- Regulated Expiration: 2007-02-04 00:00:00
- Tank Seq No: 016
- Tank Code: UST
- Date Installed: 1989-02-01
- Capacity: 6000
- Substance: Diesel Fuel
- Tank Status: Currently in Use
- Inspection Code: FOI
- Tank Last Dt Inspected: 2005-06-01 00:00:00
- Region Code: 4100

**MAPLE HILL APT**  
213 MAPLE AVE  
HORSHAM TWP., PA

**UNREG LTANKS:**
- Region: South East
- Class: Cleanup of Tanks using authorities other than Act 32
- Closed: Not reported
- Contaminant: BTEX

**HATBORO HORSHAM OPR**  
224 MAPLE AVE  
HORSHAM, PA  19044

**LUST:**
- Facility Id: 46-22595
- Facility Type: Underground Storage Tank Containing Petroleum
- Facility Status: Inactive
- Status Date: 1999-12-31 00:00:00
- Release Date: 1990-10-23 00:00:00
- Region: South East
- Description: HATBORO HORSHAM BUS GARAGE

**UST:**
- Municipality Name: Horsham
- Client Id Number: 74011
- Mailing Name: HATBORO HORSHAM SCH DIST
- Mailing Address: 229 MEETINGHOUSE RD
- Mailing Address 2: Not reported
- Mailing City,St,Zip: HORSHAM, PA 19044
- Site ID: 583652
- Other Id: 46-22595
HATBORO HORSHAM OPR (Continued)

<table>
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| Municipality Name:   | Horsham |
| Client Id Number:    | 74011 |
| Owner:               | ENZYMATICS INC |
| (215) 674-3288 |
| EPA ID:              | PAD987378882 |
| Contact:             | CHRISTOPHER ZALESKY |
| (215) 674-3288 |
| Classification:      | Conditionally Exempt Small Quantity Generator |
| TSD Activities:      | Not reported |
| Violation Status:    | No violations found |

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

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.
ENZYMATICS INC (Continued)

under RCRA.

20  LEES HOAGIE HOUSE  
870-72 EASTON RD  
HORSHAM, PA  19044  

FINDS:  
Other Pertinent Environmental Activity Identified at Site

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.

20  INTERSECTION EASTON ROAD (RT 611) & MAPLE AVENUE  
INTERSECTION EASTON ROAD (RT 611) & MAPLE AVENUE  
HORSHAM, PA  

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

21  DRESSER RAND CO  
203 PRECISION RD  
HORSHAM, PA  19044  

RCRAInfo:
Owner: INGERSOLL RAND CO’S  
(215) 555-1212  
EPA ID: PAD114339823  
Contact: JEROME G LEMOINE  
(215) 441-0400  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:  
Other Pertinent Environmental Activity Identified at Site

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.
DRESSER RAND CO (Continued)

NJ MANIFEST:

Manifest Code: NJA5115469
EPA ID: PAD114339823
Date Shipped: 20051012
TSDF EPA ID: NJD002454544
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 051012
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 051012
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Data Entry Number: 12080521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Waste Code: D001
Quantity: 50
Unit: G
Hand Code: T04

Waste Code: D001
Quantity: 50
Unit: G
Hand Code: T04

NJ MANIFEST:

Manifest Code: NJA5276053
EPA ID: PAD114339823
Date Shipped: 20060301
TSDF EPA ID: NJD002454544
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 060301
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 060301
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Data Entry Number: 04170621
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Waste Code: D001
Quantity: 150
Unit: G
Hand Code: T04

Waste Code: D001
Quantity: 50
Unit: G
Hand Code: T04
### Map Findings

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<th>Site</th>
<th>EDR ID Number</th>
<th>EPA ID Number</th>
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#### PHARM MFG RESEARCH SVC INC

202 PRECISION DR  
HORSHAM, PA 19044

**RCRAInfo:**
- **Owner:** AMERICAN CYANAMID CO  
  (215) 555-1212
- **EPA ID:** PAD981937618
- **Contact:** WP NELSON  
  (215) 672-5400
- **Classification:** Small Quantity Generator
- **TSDF Activities:** Not reported
- **Violation Status:** No violations found

**FINDS:**
- Other Pertinent Environmental Activity Identified at Site

- **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.

- **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.

#### GAFTOMSKI RES

400 WATSON AVE  
HORSHAM TWP., PA

**UNREG LTANKS:**
- **Region:** South East
- **Class:** Cleanup of Tanks using authorities other than Act 32
- **Closed:** Not reported
- **Contaminant:** OTHER

#### SAW MILL CLNR

403 NORRISTOWN ROAD  
HORSHAM, PA 19044

**RCRA-SQG** 1000124297  
**FINDS** PAD981114440
SAWMILL CLNR (Continued)

RCRAInfo:
- Owner: OPERNAME
  (215) 555-1212
- EPA ID: PAD981114440
- Contact: Not reported
- Classification: Conditionally Exempt Small Quantity Generator
- TSDF Activities: Not reported
- Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

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.

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.
23 PJ AUTO REPAIR
401 NORRISTOWN RD
HORSHAM, PA 19044

LUST:
Facility Id: 46-22973
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Inactive
Status Date: 1999-12-31 00:00:00
Release Date: 1997-07-31 00:00:00
Region: South East
Description: NOC

ARCHIVE UST:
Facility Id: 46-22973
Site Id: Not reported
Tank Id: 83833
Tank Sequence #: 004
Other Id: Not reported
Tank Code: Not reported
Client Date: Not reported
Municipality: Not reported
Install Date: 19681001
Status: CURRENTLY IN USE
Substance: Used Oil (all forms)
Capacity: 00000500
Owner Id: 15724
Owner Name: JADCZAK RAYMOND
Owner Address: 401 NORRISTOWN RD
Owner Address 2: Not reported
Owner City,St,Zip: HORSHAM, PA 19044
Owner Phone: 2156729950
County Code: 46
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City,St,Zip: Not reported
Region Code: Not reported
Region Code Name: Not reported
Regulated Expire Date: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Status Code End Date: Not reported
Tank Substance End Date: Not reported

Facility Id: Not reported
Site Id: 583662
Tank Id: Not reported
Tank Sequence #: 005
Other Id: 46-22973
Tank Code: UST
Client Date: 167928
Municipality: Horsham
Install Date: 07/29/97
Status: Currently In Use
Substance: GAS
Capacity: 12000
Owner Id: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported
County Code: Not reported
Resp Party Name: RAYMOND JADCZAK
RP Address: 401 NORRISTOWN RD
RP Address 2: Not reported
RP City,St,Zip: HORSHAM, PA 19044
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Regulated Expire Date: 02/04/06
### PJ AUTO REPAIR (Continued)

**Inspection Code:** FOI  
**Last Inspection:** 17-Apr-02  
**Status Code End Date:** Not reported  
**Tank Substance End Date:** Not reported

#### Site Information
- **Facility Id:** Not reported  
- **Tank Id:** Not reported  
- **Site ID:** 583662  
- **Tank Sequence #:** 006  
- **Tank Code:** UST

#### Owner Information
- **Owner Id:** Not reported  
- **Owner Name:** Not reported  
- **Owner Address:** Not reported  
- **Owner Address 2:** Not reported  
- **Owner City,St,Zip:** Not reported  
- **Owner Phone:** Not reported  
- **County Code:** Not reported

#### RP Information
- **Resp Party Name:** RAYMOND JADCZAK  
- **RP Address:** 401 NORRISTOWN RD  
- **RP Address 2:** Not reported  
- **RP City,St,Zip:** HORSHAM, PA 19044  
- **Region Code:** 4100  
- **Region Code Name:** EP SE Rgnl Off  
- **Regulated Expire Date:** 02/04/06  
- **Inspection Code:** FOI  
- **Last Inspection:** 17-Apr-02  
- **Status Code End Date:** Not reported  
- **Tank Substance End Date:** Not reported

#### Additional Details
- **Capacity:** 7000
- **Substance:** GAS
- **Currently In Use:** 07/29/97  
- **Install Date:** 07/29/97  
- **Horsham:** Municipality  
- **167928:** Client Date

---

**Facility Id:** Not reported  
**Tank Id:** Not reported  
**Site ID:** 583662  
**Tank Sequence #:** 007  
**Tank Code:** UST

#### Owner Information
- **Owner Id:** Not reported  
- **Owner Name:** Not reported  
- **Owner Address:** Not reported  
- **Owner Address 2:** Not reported  
- **Owner City,St,Zip:** Not reported  
- **Owner Phone:** Not reported  
- **County Code:** Not reported

#### RP Information
- **Resp Party Name:** RAYMOND JADCZAK  
- **RP Address:** 401 NORRISTOWN RD  
- **RP Address 2:** Not reported  
- **RP City,St,Zip:** HORSHAM, PA 19044  
- **Region Code:** 4100  
- **Region Code Name:** EP SE Rgnl Off  
- **Regulated Expire Date:** 02/04/06  
- **Inspection Code:** FOI  
- **Last Inspection:** 17-Apr-02  
- **Status Code End Date:** Not reported  
- **Tank Substance End Date:** Not reported

#### Additional Details
- **Capacity:** 9000
- **Substance:** DIESEL
- **Currently In Use:** 07/29/97  
- **Install Date:** 07/29/97  
- **Horsham:** Municipality

---

TC01761271.2r Page 68 of 82
MAP FINDINGS

**UNREG LTANKS:**

- **Region:** South East
- **Class:** Cleanup of Tanks using authorities other than Act 32
- **Closed:** 4/20/1998
- **Contaminant:** FUEL OIL #2

**RCRA SG FINDS PA MANIFEST**

- **Owner:** PUBLIC STOCKHOLDERS
  - (215) 555-1212
- **EPA ID:** PA002345338
- **Contact:** STEVEN R DIX
  - (215) 672-2200
- **Classification:** Small Quantity Generator
- **TSDF Activities:** Not reported

**Violation Status:** Violations exist

**Regulation Violated:** 25PAcode265a.179
**Area of Violation:** GENERATOR-PRE-TRANSPORT REQUIREMENTS
**Date Violation Determined:** 02/21/2003
**Actual Date Achieved Compliance:** 05/15/2003
**Enforcement Action:** WRITTEN INFORMAL
**Enforcement Action Date:** 03/05/2003
**Penalty Type:** Not reported

**Regulation Violated:** 40cfr265.174
**Area of Violation:** GENERATOR-PRE-TRANSPORT REQUIREMENTS
**Date Violation Determined:** 02/21/2003
**Actual Date Achieved Compliance:** 05/15/2003
**Enforcement Action:** WRITTEN INFORMAL
**Enforcement Action Date:** 03/05/2003
**Penalty Type:** Not reported

**Regulation Violated:** 40cfr262.34(a)(2)
**Area of Violation:** GENERATOR-PRE-TRANSPORT REQUIREMENTS
**Date Violation Determined:** 02/21/2003
**Actual Date Achieved Compliance:** 05/15/2003
**Enforcement Action:** WRITTEN INFORMAL
**Enforcement Action Date:** 03/05/2003
**Penalty Type:** Not reported

**Regulation Violated:** act97 6018.403(b)
**Area of Violation:** GENERATOR-GENERAL REQUIREMENTS
**Date Violation Determined:** 02/21/2003
**Actual Date Achieved Compliance:** 05/15/2003
**Enforcement Action:** WRITTEN INFORMAL
**Enforcement Action Date:** 03/05/2003
**Penalty Type:** Not reported

**Regulation Violated:** Not reported
**Area of Violation:** GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
**Date Violation Determined:** 08/13/1987
**DREXEL INDUSTRIES INC (Continued)**

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**FINDS:**

Other Pertinent Environmental Activity Identified at Site

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

**PA MANIFEST:**

- **Manifest Number:** PAH044267
- **Manifest Type:** T
- **Generator Epa Id:** PAD002345338
- **Generator Date:** 06/25/2004
- **Mailing Address:** MAPLE AVE
### DREXEL INDUSTRIES INC (Continued)

| Mailing City, St., Zip:        | HORSHAM, PA 19044               |
| Contact Name:                  | FRED L BLOCKLINGER              |
| Contact Phone:                 | 215-672-2200                    |
| TSD EPA Id:                    | PAD067098822                    |
| TSD Date:                      | 06/30/2004                      |
| TSD Facility Name:             | CYCLE CHEM                      |
| TSD Facility Address:          | 550 INDUSTRIAL DR               |
| TSD Facility City:             | LEWISBERRY                      |
| TSD Facility State:            | PA                               |
| Page Number:                   | 1.00000                         |
| Line Number:                   | 1.00000                         |
| Waste Number:                  | D001                            |
| Container Number:              | 1.00000                         |
| Container Type:                | CF                              |
| Waste Quantity:                | 1100.00000                      |
| Unit:                          | P                               |
| Handling Code:                 | Not reported                     |
| TSP EPA Id:                    | PAD987271020                    |
| Date Tsp Sig:                  | 06/25/2004                      |

Click this hyperlink while viewing on your computer to access additional PA MANIFEST: detail in the EDR Site Report.

---

### DREXEL INDUSTRIES

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<td>Violation occurred:</td>
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<tr>
<td>Inspector:</td>
<td>L. PAPPPALARDO, AF</td>
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<td>Facility Function:</td>
<td>Manufacturer/Importer</td>
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| Region:    | 02                |
| Inspected Date: | Not reported |
| Inspected Date: | Not reported        |
| Violation occurred: | No              |
| Inspector: | L. PAPPPALARDO, AF |
| Investigation Type: | Section 6 PCB Federal Conducted |
| Facility Function: | Manufacturer/Importer |
| Investig Reason: | Not reported     |
| Legislation Code: | TSCA            |

| Region:    | 02                |
| Inspected Date: | Not reported |
| Inspected Date: | Not reported        |
| Violation occurred: | No              |
| Inspector: | L. PAPPPALARDO, AF |
| Investigation Type: | Section 8 Confidential Inspections |
| Facility Function: | Manufacturer/Importer |
| Investig Reason: | Not reported     |
| Legislation Code: | TSCA            |
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**RCRAInfo:**
- **Owner:** SOUDER MERRILL  
  (215) 674-8565  
  EPA ID: PAR000016832
- **Contact:** MERRILL SOUDER  
  (215) 674-9495
- **Classification:** Conditionally Exempt Small Quantity Generator
- **TSDF Activities:** Not reported
- **Violation Status:** No violations found

**FINDS:**
Other Pertinent Environmental Activity Identified at Site

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.

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### AUDIO TECH (Continued)

notification, permit, compliance, and corrective action activities required under RCRA.

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#### FINDS:

- **Other Pertinent Environmental Activity Identified at Site**

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.

### 25 C & L RIVET CO

247 BROADWAY AVE
HORSHAM, PA 19044

<table>
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</table>

**RCRA-SQG FINDS**

### 26 HORSHAM GULF

660 EASTON RD
HORSHAM, PA 19044

**LUST**

<table>
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<tr>
<th>Facility Id:</th>
<th>Facility Type:</th>
<th>Facility Status:</th>
<th>Status Date:</th>
<th>Release Date:</th>
<th>Region:</th>
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**ARCHIVE UST**

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<th>Status Date:</th>
<th>Release Date:</th>
<th>Region:</th>
<th>Description:</th>
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**TC01761271.2r Page 73 of 82**
HORSHAM GULF  (Continued)

Facility Type: Undergound Storage Tank Containing Petroleum
Facility Status: Interim Remedial Actions Initiated or Completed

Status Date: 2004-02-13 00:00:00
Release Date: 2004-02-13 00:00:00
Region: South East
Description: NOC

ARCHIVE UST:

Facility Id: 583338
Tank Id: Not reported
Other Id: Not reported
Client Date: Not reported
Install Date: 09/26/1996
Substance: GAS
Owner Id: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported
County Code: Not reported
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City,St,Zip: Not reported
Region Code: Not reported
Region Code Name: Not reported
Regulated Expire Date: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Status Code End Date: Not reported
Tank Substance End Date: Not reported

Facility Id: 583338
Tank Id: Not reported
Other Id: Not reported
Client Date: Not reported
Install Date: 09/26/1996
Substance: GAS
Owner Id: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Owner Phone: Not reported
County Code: Not reported
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City,St,Zip: Not reported
Region Code: Not reported
Region Code Name: Not reported
Regulated Expire Date: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Status Code End Date: Not reported
Tank Substance End Date: Not reported
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Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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.

SDWIS [WS] (Safe Drinking Water Information System (Water System)). Water Systems can have one or more water system facilities. The water system will purchase water from several facilities. Drinking water information is stored in EPA’s SDWIS, which contains information about public water systems and their violations of EPA’s regulations for safe drinking water. These statutes and accompanying regulations establish maximum contaminant levels (MCL), treatment techniques, and monitoring and reporting requirements to ensure that water provided to customers is safe for human consumption.
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**UST:**

- **Municipality Name:** Horsham
- **Client Id Number:** 132506
- **Mailing Name:** WAWA INC
- **Mailing Address:** 260 W BALTIMORE PIKE
- **Mailing Address 2:** Not reported
- **Mailing City,St,Zip:** WAWA, PA 19063-5699
- **Site ID:** 583968
- **Other Id:** 46-38242
- **2nd Facility Addr:** Not reported
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2006-02-04 00:00:00
- **Tank Seq No:** 2006-02-04 00:00:00
- **Regulated Expiration:** EP SE Rgnl Off
- **Region Code:** Not reported
- **2nd Facility Addr:** 46-38242
- **Region Code:** EP SE Rgnl Off
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- **Tank Seq No:** 2006-02-04 00:00:00

**UST:**

- **Municipality Name:** Horsham
- **Client Id Number:** 132506
- **Mailing Name:** WAWA INC
- **Mailing Address:** 260 W BALTIMORE PIKE
- **Mailing Address 2:** Not reported
- **Mailing City,St,Zip:** WAWA, PA 19063-5699
- **Site ID:** 583968
- **Other Id:** 46-38242
- **2nd Facility Addr:** Not reported
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2006-02-04 00:00:00
- **Tank Seq No:** 2006-02-04 00:00:00
- **Regulated Expiration:** EP SE Rgnl Off
- **Region Code:** Not reported
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- **Region Code:** EP SE Rgnl Off
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- **Tank Seq No:** 2006-02-04 00:00:00

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- **Municipality Name:** Horsham
- **Client Id Number:** 132506
- **Mailing Name:** WAWA INC
- **Mailing Address:** 260 W BALTIMORE PIKE
- **Mailing Address 2:** Not reported
- **Mailing City,St,Zip:** WAWA, PA 19063-5699
- **Site ID:** 583968
- **Other Id:** 46-38242
- **2nd Facility Addr:** Not reported
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2006-02-04 00:00:00
- **Tank Seq No:** 2006-02-04 00:00:00
- **Regulated Expiration:** EP SE Rgnl Off
- **Region Code:** Not reported
- **2nd Facility Addr:** 46-38242
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2006-02-04 00:00:00
- **Tank Seq No:** 2006-02-04 00:00:00

**UST:**

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- **Client Id Number:** 132506
- **Mailing Name:** WAWA INC
- **Mailing Address:** 260 W BALTIMORE PIKE
- **Mailing Address 2:** Not reported
- **Mailing City,St,Zip:** WAWA, PA 19063-5699
- **Site ID:** 583968
- **Other Id:** 46-38242
- **2nd Facility Addr:** Not reported
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- **Tank Seq No:** 2006-02-04 00:00:00
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- **Tank Seq No:** 2006-02-04 00:00:00

**UST:**

- **Municipality Name:** Horsham
- **Client Id Number:** 132506
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- **Mailing Address:** 260 W BALTIMORE PIKE
- **Mailing Address 2:** Not reported
- **Mailing City,St,Zip:** WAWA, PA 19063-5699
- **Site ID:** 583968
- **Other Id:** 46-38242
- **2nd Facility Addr:** Not reported
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2006-02-04 00:00:00
- **Tank Seq No:** 2006-02-04 00:00:00
- **Regulated Expiration:** EP SE Rgnl Off
- **Region Code:** Not reported
- **2nd Facility Addr:** 46-38242
- **Region Code:** EP SE Rgnl Off
- **Regulated Expiration:** 2006-02-04 00:00:00
- **Tank Seq No:** 2006-02-04 00:00:00
### WAWA HORSHAM (Continued)

#### Details:
- **EPA ID Number**: U003831289
- **Region Code**: 2002-03-08
- **Tank Last Dt Inspected**: 2002-03-08 00:00:00
- **Currently in Use**: Gasoline
- **Capacity**: 20000
- **Inspection Code**: FOI
- **Distance**: 20000
- **EPA ID Number Database(s)**: Site

#### Transporter Information:
- **Transporter 1 Decal**: 050901
- **Date Trans1 Transported Waste**: 050831
- **Date Trans2 Transported Waste**: 050901
- **Transporter 1 EPA ID**: NJD000692061
- **Transporter 2 EPA ID**: NJD080631369
- **TSDF EPA ID**: NJD002454544
- **Date Shipped**: 20050831
- **Manifest Code**: NJA5264307
- **Hand Code**: T04
- **Reason Load Was Rejected**: Not reported
- **Tranporter 1 Decal**: 050803
- **Date Trans1 Transported Waste**: 050728
- **Date Trans2 Transported Waste**: 050803
- **Date TSDF Received Waste**: 050803
- **Transporter 2 Decal**: Not reported

#### Violation Status:
- **Violation Status**: No violations found

### WAWA FOOD MARKET #271

#### Details:
- **RCRA-SQG EPA ID Number**: 1007113907
- **NJ MANIFEST EPA ID Number**: PAR000502526
- **RCRAInfo**:
  - **Owner**: WAWA INC
  - **EPA ID**: PAR000502526
  - **Contact**: MATTHEW WINTERS
  - **EPA ID**: PAR000502526
  - **Classification**: Conditionally Exempt Small Quantity Generator
  - **TSDF Activities**: Not reported
  - **Violation Status**: No violations found

#### NJ MANIFEST:
- **Manifest Code**: NJA5264307
- **EPA ID**: PAR000502526
- **Date Shipped**: 20050728
- **TSDF EPA ID**: NJD002454544
- **Transporter EPA ID**: NJD080631369
- **Transporter 2 EPA ID**: NJD000692061
- **Date Trans1 Transported Waste**: 050728
- **Date Trans2 Transported Waste**: 050803
- **Date TSDF Received Waste**: 050803
- **Tranporter 1 Decal**: Not reported
- **Tranporter 2 Decal**: Not reported
- **Data Entry Number**: 09070535
- **Reference Manifest Number**: Not reported
- **Was Load Rejected (Y/N)**: No
- **Reason Load Was Rejected**: Not reported
- **Waste Code**: D018
- **Unit**: P
- **Quantity**: 150

#### RCRAInfo:
- **RCRA-SQG EPA ID**: 1007113907
- **NJ MANIFEST EPA ID**: PAR000502526

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TC01761271.2r  Page 77 of 82
### Map Findings

<table>
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<tr>
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**WAWA FOOD MARKET #271 (Continued)**

- **Manifest Code:** NJA5275139
- **EPA ID:** PAR000502526
- **Date Shipped:** 20060202
- **TSDF EPA ID:** NJD002454544
- **Transporter EPA ID:** NJD080631369
- **Transporter 2 EPA ID:** NJD002454544
- **Date Trans1 Transferred:** 060202
- **Date Trans2 Transferred:** 060209
- **Date TSDF Received:** 060209
- **Tranporter 1 Decal:** Not reported
- **Tranporter 2 Decal:** Not reported
- **Data Entry Number:** 03230621
- **Reference Manifest Number:** Not reported
- **Was Load Rejected (Y/N):** No
- **Reason Load Was Rejected:** Not reported
- **Waste Code:** D018
- **Quantity:** 150
- **Unit:** P
- **Hand Code:** T04

---

**DAVES AUTO BODY**

- **RCRA-SQG:** 1000569453
- **Address:** 550 EASTON RD
- **City:** HORTHAM, PA 19044
- **EPA ID:** PAD987337243

**RCRA Info:**

- **Owner:** OPERNAME (215) 555-1212
- **EPA ID:** PAD987337243
- **Contact:** Not reported
- **Classification:** Small Quantity Generator
- **TSDF Activities:** Not reported
- **Violation Status:** No violations found

---

TC01761271.2r  Page 78 of 82
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.

FINDS:
Other Pertinent Environmental Activity Identified at Site

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FINDS:
Other Pertinent Environmental Activity Identified at Site

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RYDER TRANSP SVC 1079A
430 HORSHAM RD
HORSHAM, PA 19044

LUST:

Facility Id: 46-44215
Facility Type: Underground Storage Tank Containing Petroleum

Facility Status: Inactive
Status Date: 1999-12-31 00:00:00
Release Date: 1998-07-17 00:00:00
Region: South East
Description: RYDER TRUCK RENTAL INC

UST:

Municipality Name: Horsham
Client Id Number: 129982
Mailing Name: RYDER TRUCK RENTAL
Mailing Address: 3600 NW 82ND AVE 4B E & FS
Mailing Address 2: Not reported
Mailing City,St,Zip: MIAMI, FL 33166
Site ID: 584613
Other Id: 46-44215
2nd Facility Addr: Not reported
Region Code: EP SE Rgnl Off
Regulated Expiration: 2007-02-04 00:00:00
Tank Seq No: 003
Tank Code: UST
Date Installed: 1991-01-01
Capacity: 10000
Substance: Diesel Fuel

Tank Status: Currently in Use

Inspection Code: FOI
Tank Last Dt Inspected: 2002-02-21 00:00:00
Region Code: 4100

Municipality Name: Horsham
Client Id Number: 129982
Mailing Name: RYDER TRUCK RENTAL
Mailing Address: 3600 NW 82ND AVE 4B E & FS
Mailing Address 2: Not reported
Mailing City,St,Zip: MIAMI, FL 33166
Site ID: 584613
Other Id: 46-44215
2nd Facility Addr: Not reported
Region Code: EP SE Rgnl Off
Regulated Expiration: 2007-02-04 00:00:00
Tank Seq No: 004
Tank Code: UST
Date Installed: 1991-01-01
Capacity: 8000
Substance: Diesel Fuel

Tank Status: Currently in Use

Inspection Code: FOI
Tank Last Dt Inspected: 2002-02-21 00:00:00
Region Code: 4100
LUST:
- Facility Id: 46-41439
- Facility Type: Underground Storage Tank Containing Petroleum
- Facility Status: Interim Remedial Actions Initiated or Completed
- Status Date: Not reported
- Release Date: 1990-02-23 00:00:00
- Region: South East
- Description: NOC

UST:
- Municipality Name: Horsham
- Client Id Number: 186021
- Mailing Name: GETTY PETRO MKT INC
- Mailing Address: 1500 HEMPSTEAD TPKE
- Mailing Address 2: Not reported
- Mailing City,St,Zip: EAST MEADOW, NY 11554
- Site ID: 584189
- Other Id: 46-41439
- 2nd Facility Addr: Not reported
- Region Code: EP SE Rgnl Off
- Regulated Expiration: 2007-02-04 00:00:00
- Tank Seq No: 007
- Tank Code: UST
- Date Installed: 1990-06-01
- Capacity: 12000
- Substance: Gasoline
- Tank Status: Currently in Use
- Inspection Code: FOI
- Tank Last Dt Inspected: Not reported
- Region Code: 4100
### GETTY 69230 (Continued)

**Map ID:** 4100  
**Direction:** Not reported  
**Distance:** 4100  
**Site:** EAST MEADOW, NY 11554

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<tr>
<td>Mailing Name</td>
<td>GETTY PETRO MKT INC</td>
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<tr>
<td>Mailing Address</td>
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### SAYLOR RES

**Address:** 550 EASTON RD  
**City:** HORSHAM, PA

- **VCP Code:** S105423792  
- **Client Id Number:** 1450

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### BORRAJO RES

**Address:** 327 OLIVE ST  
**City:** HORSHAM TWP., PA

- **UNREG LTANKS Code:** S105919029  
- **Client Id Number:** N/A

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*TC01761271.2r Page 82 of 82*
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City

AMBLER
AMBLER
CHALFONT
CHALFONT
CHARLESTON
CHARLESTON
CHARLESTON
GIBSONIA
GLENOLDEN
HAMILTON TWP
HARRISON
HARTSVILLE
HATBORO
HATBORO
HATBORO
HATBORO
HATBORO
HORSHAM
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INYLAND
POTTSTOWN
WARMINSTER
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WARMINSTER
WARMINSTER
WARMINSTER
WARMISTER
WARRINGTON
WARRINGTON
WARRINGTON
WARRINGTON
WARRINGTON

SHADY GROVE EL SCH
SUNOCO SVC STA
EXXON MOBIL CORPORATION
GETTY 69237
CHARLESTON CORRECTIONAL FACILITY
MARTIN RESIDENCE
CHARLESTON AGWAY
FEDEX FREIGHT EAST
MOBIL STATION NO 13-258
PROPOSED RITE AID PHARMACY
WILSON/PINZKA PROPERTY
THE RIVER BEND SITE
SUNOCO SVC STA
SUNOCO 0007 6182
HATBORO BOROUGH AUTHORITY
EXXON SVC STA
MOBIL OIL CORP SS# 757
HORSHAM VILLAGE MALL
ALL CLEAN DISPOSAL INC
QUEST DIAGNOSTICS INC
MICROSURGICAL SYSTEMS
MAURER BROS HAULING
LEXIN PHARMACEUTICALS
BETZ EQUIPMENT SYSTEMS
PLYMOUTH MEETING ASSOCIATES
DATACON
IVYMOR CONTR
POTTSTOWN INDUSTRIES COMPLEX
USEPA - REGION 3
LAD INC
NAVAL AIR DEVELOPMENT CENTER
U.S. NAVAL AIR DEVELOPMENT CENTER
WILLOW DALE EL SCH
SUNOCO SVC STA
NAVAL AIR DEVELOPMENT CENTER
NAVAL AIR DEVELOPMENT CENTER
MEADOWOOD CONDO
NAVAL AIR DEVELOPMENT CENTER
SUNOCO SVC STA
FRANKFORD CLEANERS
LEGENDARY CARS INC
LOWES OF WARRINGTON PA 0735
SPARANGO/PENROSE DUMP

Site Name

ORPHAN SUMMARY

TC01761271.2r Page 1 of 2

M
NEC HORSHAM RD & 1146 LIMEKILN
RT 202 & COUNTY LINE RD
ROUTE 202 & COUNTY LINE RD
RR1 BOX 1400 - ROUTE 15
BRADFORD ROAD
POB 150 ROUTE 11A
2081 C KRAMER RD
MCDADE & ASHLAND
1601-27 CHAMBERS / 300-22 CEDAR
303 SWEDESBORO RD (AKA RTE 322)
CREEK RD
3250 E COUNTY LINE RD
3250 E COUNTY LINE RD
120 EAST MONTGOMERY AVENUE
555 OLD YORK RD
YORK & COUNTY LINE RDS
BLAIR MILL RD
PO BOX D
900 BUSINESS CENTER DR
135 GIBRALTAR ROAD
GOVERNORS RD
PENNA BUSINESS CAMPUS
200 PRECISION DRIVE
100 TOURNAMENT DRIVE
207 WITMER ROAD
GINKO IND PARK
MAPLE ST. & BUTLER PIKE
960 CREEK RD
871 CREEK RD
JACKSONVILLE ROAD
JACKSONVILLE ROAD
M
610 OLD YORK RD
STREET & JACKSONVILLE ROADS
STREET AND JACKSONVILLE ROADS
STREET & VALLEY ROADS
STREET AND JACKSONVILLE ROADS
RT 611 & ST RD
RT 611 & BRISTOL RD
2065 D BUNNELL RD
425 EASTON RD
STREET RD / RT 611

Site Address
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Zip

FINDS
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RCRA-SQG, FINDS
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VCP
NJ Release, VCP
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RCRA-SQG, FINDS
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RCRA-SQG
NJ MANIFEST
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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.

**FEDERAL RECORDS**

**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.

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<tr>
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**NPL Site Boundaries**

Sources:

- EPA’s Environmental Photographic Interpretation Center (EPIC)
  Telephone: 202-564-7333

- EPA Region 1 Telephone 617-918-1143
- EPA Region 3 Telephone 215-814-5418
- EPA Region 4 Telephone 404-562-8033
- EPA Region 5 Telephone 312-886-6686
- EPA Region 6 Telephone 214-655-6569
- EPA Region 7 Telephone 913-551-7247
- EPA Region 8 Telephone 303-312-6774
- EPA Region 9 Telephone 415-947-4246
- EPA Region 10 Telephone 206-553-8665

**Proposed NPL:** Proposed National Priority List Sites

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**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.

<table>
<thead>
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NPL RECOVERY: 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.

Date of Government Version: 10/15/1991  Source: EPA
Date Data Arrived at EDR: 02/02/1994  Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994  Last EDR Contact: 08/21/2006
Number of Days to Update: 56  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006  Source: EPA
Date Data Arrived at EDR: 06/22/2006  Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006  Last EDR Contact: 09/21/2006
Number of Days to Update: 62  Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 07/17/2006  Source: EPA
Date Data Arrived at EDR: 08/02/2006  Telephone: 703-413-0223
Date Made Active in Reports: 09/12/2006  Last EDR Contact: 09/18/2006
Number of Days to Update: 41  Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006  Source: EPA
Date Data Arrived at EDR: 03/17/2006  Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006  Last EDR Contact: 09/05/2006
Number of Days to Update: 27  Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information
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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

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<tr>
<td>Number of Days to Update:</td>
<td>56</td>
<td>Next Scheduled EDR Contact: 11/20/2006</td>
</tr>
</tbody>
</table>

**ERNS:** Emergency Response Notification System  
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

<table>
<thead>
<tr>
<th>Date of Government Version:</th>
<th>12/31/2005</th>
<th>Source: National Response Center, United States Coast Guard</th>
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<tr>
<td>Date Data Arrived at EDR:</td>
<td>01/12/2006</td>
<td>Telephone: 202-260-2342</td>
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<td>Date Made Active in Reports:</td>
<td>02/21/2006</td>
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<tr>
<td>Data Release Frequency:</td>
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**HMIRS:** Hazardous Materials Information Reporting System  
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

<table>
<thead>
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<th>Date of Government Version:</th>
<th>07/03/2006</th>
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<td>07/19/2006</td>
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<td>Date Made Active in Reports:</td>
<td>08/23/2006</td>
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<td>Number of Days to Update:</td>
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<td>Next Scheduled EDR Contact: 10/16/2006</td>
</tr>
<tr>
<td>Data Release Frequency:</td>
<td>Annually</td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Date of Government Version:</th>
<th>03/21/2006</th>
<th>Source: Environmental Protection Agency</th>
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<tbody>
<tr>
<td>Date Data Arrived at EDR:</td>
<td>03/27/2006</td>
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<tr>
<td>Date Made Active in Reports:</td>
<td>05/22/2006</td>
<td>Last EDR Contact: 09/07/2006</td>
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<td>Number of Days to Update:</td>
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<td>Next Scheduled EDR Contact: 10/02/2006</td>
</tr>
<tr>
<td>Data Release Frequency:</td>
<td>Varies</td>
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</table>

**US INST CONTROL:** Sites with Institutional Controls  
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.

<table>
<thead>
<tr>
<th>Date of Government Version:</th>
<th>03/21/2006</th>
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<td>Number of Days to Update:</td>
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</tr>
<tr>
<td>Data Release Frequency:</td>
<td>Varies</td>
<td></td>
</tr>
</tbody>
</table>
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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177
Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

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: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA’s Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA’s Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/13/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 55
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Semi-Annually

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: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

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: 07/10/2006
Date Data Arrived at EDR: 07/21/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 47
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually
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: 11/04/2005
Date Data Arrived at EDR: 11/29/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/18/2006
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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006
Date Data Arrived at EDR: 07/21/2006
Date Made Active in Reports: 08/22/2006
Number of Days to Update: 32

Source: EPA
Telephone: 202-566-6064
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

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: 12/31/2004
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Annually

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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/17/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Every 4 Years

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: 07/14/2006
Date Data Arrived at EDR: 07/18/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 50

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Quarterly
FTTS INSP:  FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 07/14/2006  Source: EPA
Date Data Arrived at EDR: 07/18/2006  Telephone:  202-566-1667
Date Made Active in Reports: 09/06/2006  Last EDR Contact: 09/18/2006
Number of Days to Update: 50  Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Quarterly

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: 12/31/2004  Source: EPA
Date Data Arrived at EDR: 05/11/2006  Telephone:  202-564-4203
Date Made Active in Reports: 05/22/2006  Last EDR Contact: 07/17/2006
Number of Days to Update: 11  Next Scheduled EDR Contact: 10/16/2006
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: 02/13/2006  Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006  Telephone:  202-564-5088
Date Made Active in Reports: 05/11/2006  Last EDR Contact: 07/17/2006
Number of Days to Update: 20  Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Quarterly

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: 07/07/2006  Source: EPA
Date Data Arrived at EDR: 08/09/2006  Telephone:  202-566-0500
Date Made Active in Reports: 09/06/2006  Last EDR Contact: 08/09/2006
Number of Days to Update: 28  Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Annually

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: 07/10/2006  Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006  Telephone:  301-415-7169
Date Made Active in Reports: 09/06/2006  Last EDR Contact: 07/03/2006
Number of Days to Update: 48  Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

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: 05/16/2006  Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006  Telephone:  303-231-5959
Date Made Active in Reports: 08/23/2006  Last EDR Contact: 09/27/2006
Number of Days to Update: 56  Next Scheduled EDR Contact: 12/25/2006
Data Release Frequency: Semi-Annually
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: 07/21/2006
Date Data Arrived at EDR: 07/25/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 43
Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: No Update Planned

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: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48
Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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: 02/01/2006
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 03/15/2006
Number of Days to Update: 26
Source: Department Environmental Protection
Telephone: 717-783-7816
Last EDR Contact: 08/18/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

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: 05/05/2004
Date Data Arrived at EDR: 05/26/2004
Date Made Active in Reports: 06/24/2004
Number of Days to Update: 29
Source: Department of Environmental Protection
Telephone: 717-783-7816
Last EDR Contact: 08/16/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies
### SWF/LF: Operating Facilities

<table>
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### HIST LF: Abandoned Landfill Inventory

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.

<table>
<thead>
<tr>
<th>Date of Government Version: 01/04/2005</th>
<th>Source: Department of Environmental Protection</th>
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<tr>
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<td>Data Release Frequency: Varies</td>
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</table>

### 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.

<table>
<thead>
<tr>
<th>Date of Government Version: 12/20/1994</th>
<th>Source: Department of Environmental Protection</th>
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<td>Date Made Active in Reports: 08/11/2005</td>
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<td>Number of Days to Update: 30</td>
<td>Next Scheduled EDR Contact: 12/19/2005</td>
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<tr>
<td>Data Release Frequency: No Update Planned</td>
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</table>

### 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.

<table>
<thead>
<tr>
<th>Date of Government Version: 06/02/1999</th>
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### 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.

<table>
<thead>
<tr>
<th>Date of Government Version: 06/14/2006</th>
<th>Source: Department of Environmental Protection</th>
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<tr>
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<td>Number of Days to Update: 37</td>
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</tr>
<tr>
<td>Data Release Frequency: Semi-Annually</td>
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</table>

### UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

<table>
<thead>
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<th>Date of Government Version: 04/12/2002</th>
<th>Source: Department of Environmental Protection</th>
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<td>Data Release Frequency: No Update Planned</td>
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</table>
**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.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Source</th>
<th>Telephone</th>
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<tr>
<td>06/01/2006</td>
<td>Department of Environmental Protection</td>
<td>717-772-5599</td>
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**Date Data Arrived at EDR:** 06/07/2006

**Date Made Active in Reports:** 06/30/2006

**Number of Days to Update:** 23

**Next Scheduled EDR Contact:** 10/09/2006

**Data Release Frequency:** Varies

**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.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
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**Date Data Arrived at EDR:** 06/07/2006

**Date Made Active in Reports:** 07/12/2006

**Number of Days to Update:** 35

**Next Scheduled EDR Contact:** 10/09/2006

**Data Release Frequency:** Varies

**LAST:** Storage Tank Release Sites

Leaking Aboveground Storage Tank Incident Reports.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Source</th>
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<tr>
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<td>Department of Environmental Protection</td>
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**Date Data Arrived at EDR:** 07/12/2006

**Date Made Active in Reports:** 08/18/2006

**Number of Days to Update:** 37

**Next Scheduled EDR Contact:** 10/09/2006

**Data Release Frequency:** Semi-Annually

**AST:** Listing of Pennsylvania Regulated Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Source</th>
<th>Telephone</th>
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<tr>
<td>06/01/2006</td>
<td>Department of Environmental Protection</td>
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**Date Data Arrived at EDR:** 06/07/2006

**Date Made Active in Reports:** 06/30/2006

**Number of Days to Update:** 23

**Next Scheduled EDR Contact:** 10/09/2006

**Data Release Frequency:** Varies

**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.

<table>
<thead>
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<th>Date of Government Version</th>
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<td>06/01/2006</td>
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**Date Data Arrived at EDR:** 06/07/2006

**Date Made Active in Reports:** 07/12/2006

**Number of Days to Update:** 35

**Next Scheduled EDR Contact:** 10/09/2006

**Data Release Frequency:** Varies

**MANIFEST:** Manifest Information

Hazardous waste manifest information.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Source</th>
<th>Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/31/2005</td>
<td>Department of Environmental Protection</td>
<td>N/A</td>
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**Date Data Arrived at EDR:** 05/04/2006

**Date Made Active in Reports:** 06/06/2006

**Number of Days to Update:** 33

**Next Scheduled EDR Contact:** 12/11/2006

**Data Release Frequency:** 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.

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.

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.

VCP: Voluntary Cleanup Program Sites
Sites involved in the Voluntary Cleanup Program

DRYCLEANERS: Drycleaner Facility Locations
A listing of drycleaner facility locations.
GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Sites

- Date of Government Version: 06/20/2006
- Date Data Arrived at EDR: 06/21/2006
- Date Made Active in Reports: 07/12/2006
- Number of Days to Update: 21
- Source: Department of Environmental Protection
- Telephone: 717-783-7509
- Last EDR Contact: 09/11/2006
- Next Scheduled EDR Contact: 11/13/2006
- Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

- Date of Government Version: 12/31/2004
- Date Data Arrived at EDR: 05/03/2006
- Date Made Active in Reports: 06/06/2006
- Number of Days to Update: 34
- Source: Department of Environmental Protection
- Telephone: 717-787-9702
- Last EDR Contact: 07/24/2006
- Next Scheduled EDR Contact: 10/23/2006
- Data Release Frequency: Annually

TRIBAL RECORDS

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: 12/31/2004
- Date Data Arrived at EDR: 02/08/2005
- Date Made Active in Reports: 08/04/2005
- Number of Days to Update: 177
- Source: USGS
- Telephone: 202-208-3710
- Last EDR Contact: 08/11/2006
- Next Scheduled EDR Contact: 11/06/2006
- Data Release Frequency: Semi-Annually

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: 06/08/2006
- Date Data Arrived at EDR: 06/09/2006
- Date Made Active in Reports: 06/28/2006
- Number of Days to Update: 19
- Source: EPA Region 1
- Telephone: 617-918-1313
- Last EDR Contact: 08/21/2006
- Next Scheduled EDR Contact: 11/20/2006
- 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: 06/06/2006
- Date Data Arrived at EDR: 06/09/2006
- Date Made Active in Reports: 07/28/2006
- Number of Days to Update: 49
- Source: EPA Region 8
- Telephone: 303-312-6271
- Last EDR Contact: 08/21/2006
- Next Scheduled EDR Contact: 11/20/2006
- Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land


- Date of Government Version: 06/08/2006
- Date Data Arrived at EDR: 06/09/2006
- Date Made Active in Reports: 07/28/2006
- Number of Days to Update: 49
- Source: EPA Region 10
- Telephone: 206-553-2857
- Last EDR Contact: 08/21/2006
- Next Scheduled EDR Contact: 11/20/2006
- Data Release Frequency: Quarterly

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: 06/01/2006
- Date Data Arrived at EDR: 06/23/2006
- Date Made Active in Reports: 08/02/2006
- Number of Days to Update: 40
- Source: Environmental Protection Agency
- Telephone: 415-972-3372
- Last EDR Contact: 08/21/2006
- Next Scheduled EDR Contact: 11/20/2006
- Data Release Frequency: Quarterly
INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska
Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/10/2006
Date Made Active in Reports: 09/12/2006
Number of Days to Update: 64
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
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: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.
Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/30/2006
Number of Days to Update: 21
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 49
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
Date of Government Version: 06/30/2006
Date Data Arrived at EDR: 07/03/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 65
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land
**INDIAN UST R7: Underground Storage Tanks on Indian Land**

Date of Government Version: 06/01/2006  
Date Data Arrived at EDR: 07/10/2006  
Date Made Active in Reports: 09/12/2006  
Number of Days to Update: 64  
Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Varies

**EDR PROPRIETARY RECORDS**

**Manufactured Gas Plants:** 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

**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: 12/31/2004  
Date Data Arrived at EDR: 02/17/2006  
Date Made Active in Reports: 04/07/2006  
Number of Days to Update: 49  
Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 09/11/2006  
Next Scheduled EDR Contact: 12/11/2006  
Data Release Frequency: Annually

**NJ MANIFEST:** Manifest Information  
Hazardous waste manifest information.

Date of Government Version: 06/01/2006  
Date Data Arrived at EDR: 07/06/2006  
Date Made Active in Reports: 08/01/2006  
Number of Days to Update: 26  
Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 07/05/2006  
Next Scheduled EDR Contact: 10/02/2006  
Data Release Frequency: Annually
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: 05/02/2006  
Date Data Arrived at EDR: 05/31/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 27  
Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/30/2006  
Next Scheduled EDR Contact: 11/27/2006  
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 09/30/2005  
Date Data Arrived at EDR: 05/09/2006  
Date Made Active in Reports: 05/24/2006  
Number of Days to Update: 15  
Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 09/18/2006  
Next Scheduled EDR Contact: 12/18/2006  
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 06/29/2006  
Date Made Active in Reports: 07/31/2006  
Number of Days to Update: 32  
Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 08/15/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 05/02/2006  
Number of Days to Update: 46  
Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 07/25/2006  
Next Scheduled EDR Contact: 10/09/2006  
Data Release Frequency: Annually

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.

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, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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EDR Report
Shedandoah Woods Housing
The EDR Radius Map
with GeoCheck®

Shenandoah Woods Housing
Orion Drive
Willow Grove, PA  18974

Inquiry Number: 1761930.2s

September 25, 2006
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

ORION DRIVE
WILLOW GROVE, PA 18974

COORDINATES

Latitude (North): 40.197100 - 40° 11’ 49.6”
Longitude (West): 75.054100 - 75° 3’ 14.8”
Universal Transverse Mercator: Zone 18
UTM X (Meters): 495395.2
UTM Y (Meters): 4449424.5
Elevation: 351 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40075-B1 HATBORO, PA
Most Recent Revision: 2001

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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:

FEDERAL RECORDS

Proposed NPL.............. Proposed National Priority List Sites
Delisted NPL.............. National Priority List Deletions
NPL RECOVERY............ Federal Superfund Liens
CERC-NFRAP............... CERCLIS No Further Remedial Action Planned
RCRA-LQG................ Resource Conservation and Recovery Act Information
ERNS....................... Emergency Response Notification System
HMIRS..................... Hazardous Materials Information Reporting System
US INST CONTROL......... Sites with Institutional Controls
FUDS...................... Formerly Used Defense Sites
US BROWNFIELDS......... A Listing of Brownfields Sites
## EXECUTIVE SUMMARY

| CONSENT | Superfund (CERCLA) Consent Decrees |
| UMTRA | Uranium Mill Tailings Sites |
| ODI | Open Dump Inventory |
| TRIS | Toxic Chemical Release Inventory System |
| TSCA | Toxic Substances Control Act |
| FTTS | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| SSTS | Section 7 Tracking Systems |
| ICIS | Integrated Compliance Information System |
| PADS | PCB Activity Database System |
| MLTS | Material Licensing Tracking System |
| MINES | Mines Master Index File |
| FINDS | Facility Index System/Facility Registry System |
| RAATS | RCRA Administrative Action Tracking System |

### STATE AND LOCAL RECORDS

| SHWS | Hazardous Sites Cleanup Act Site List |
| HSCTA | HSCA Remedial Sites Listing |
| SWF/LF | Operating Facilities |
| HIST LF | Abandoned Landfill Inventory |
| LUST | Storage Tank Release Sites |
| UNREG LTANKS | Unregulated Tank Cases |
| UST | Listing of Pennsylvania Regulated Underground Storage Tanks |
| ARCHIVE UST | Archived Underground Storage Tank Sites |
| LAST | Storage Tank Release Sites |
| AST | Listing of Pennsylvania Regulated Aboveground Storage Tanks |
| ARCHIVE AST | Archived Aboveground Storage Tank Sites |
| PA MANIFEST | Manifest Information |
| ACT 2-DEED | Act 2-Deed Acknowledgment Sites |
| ENG CONTROLS | Engineering Controls Site Listing |
| INST CONTROL | Institutional Controls Site Listing |
| VCP | Voluntary Cleanup Program Sites |
| DRYCLEANERS | Drycleaner Facility Locations |
| BROWNFIELDS | Brownfields Sites |
| AIRS | Permit and Emissions Inventory Data |

### TRIBAL RECORDS

| INDIAN RESERV | Indian Reservations |
| INDIAN LUST | Leaking Underground Storage Tanks on Indian Land |
| INDIAN UST | Underground Storage Tanks on Indian Land |

### EDR PROPRIETARY RECORDS

- Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
- EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
- EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.
FEDERAL RECORDS

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/05/2006 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
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<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>0 - 1/8</td>
<td>0</td>
<td>6</td>
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</tbody>
</table>

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 06/19/2006 has revealed that there are 2 CERCLIS sites within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
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<td>ST JACKSONVILLE RDD</td>
<td>0 - 1/8</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>CASEY VILLAGE AREA TCE/PCE PLU</td>
<td>DAVISVILLE AND RAMBLER</td>
<td>1/8 - 1/4 SE</td>
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<td>21</td>
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</tbody>
</table>

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2006 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<table>
<thead>
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<td>0 - 1/8</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1
EXECUTIVE SUMMARY

RCRA-TSDF site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
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RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
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<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>

ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 03/21/2006 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<table>
<thead>
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<th>Address</th>
<th>Dist / Dir</th>
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DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<table>
<thead>
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RODS: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 07/10/2006 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
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Due to poor or inadequate address information, the following sites were not mapped:

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<tr>
<td>HASKINS RESEARCH</td>
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<td>CHALFONT CORP</td>
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<tr>
<td>CONSTRUCTION DEMOLITION RECYCLING</td>
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<tr>
<td>HOVNANIAN HOMES - WOODS AT NORTH HAMPTON</td>
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## MAP FINDINGS SUMMARY

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<th>Database</th>
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# MAP FINDINGS SUMMARY

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<th>Database</th>
<th>Target Property</th>
<th>Search Distance (Miles)</th>
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<th>1/8 - 1/4</th>
<th>1/4 - 1/2</th>
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**NOTES:**

TP = Target Property
NR = Not Requested at this Search Distance
Sites may be listed in more than one database
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<tr>
<th>DOD Region</th>
<th>Site Description</th>
<th>Site Address</th>
<th>EPA ID Number</th>
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<tbody>
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<td>U.S. NAVAL AIR DEVELOPMENT CENTER</td>
<td>The Naval Air Development Center is a 734-acre naval facility located in</td>
<td>PA</td>
<td>CUSA029246</td>
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</table>

FEDERAL LANDS:
- Feature 1: Navy DOD
- Feature 2: Not reported
- Feature 3: Not reported
- Agency: DOD
- Name 1: U.S. Naval Air Development Center
- Name 2: Not reported
- Name 3: Not reported
- State: PA

CERCLIS:
- Site ID: 0302466
- Federal Facility: Federal Facility
- NPL Status: Currently on the Final NPL
- Non NPL Status: Not reported

CERCLIS Site Contact Name(s):
- Contact Name: DENNIS ORENSHAW
- Contact Tel: (215) 814-3361
- Contact Title: Remedial Project Manager (RPM)

CERCLIS Site Alias Name(s):
- Alias Name: NAVAL AIR DEVELOPMENT CENTER (8 WASTE AREAS)
- Alias Address: ST & JACKSONVILLE ROAD
- WARMINSTER TOWNSHIP, PA 18974
- Alias Name: NAVAL AIR WARFARE CENTER *
- Alias Address: Not reported
- Alias Address: Not reported
- Alias Name: NAVAL AIR DEVELOPMENT CENTER
- Alias Address: Not reported
- Alias Address: PA
- Alias Name: FORMER NAVAIRWARCEN WARMINSTER - 8 WASTE AREAS
- Alias Address: JACKSONVILLE ROAD AND ROUTE 132
- WARMINSTER, PA 17003
- Alias Name: NAVAL AIR DEVELOPMENT CENTER(8 AREAS)
- Alias Address: ST & JACKSONVILLE RD
- WARMINSTER, PA 18974
- Alias Name: NAVAL AIR DEVELOPMENT CENTER (8 AREAS)
- Alias Address: Not reported
- Alias Address: Not reported
- Site Description: The Naval Air Development Center is a 734-acre naval facility located in
Warminster Township, Bucks County, Pennsylvania. The Naval facility was renamed Naval Air Warfare Center (NAWC) Aircraft Division Warminster. The site lies in a populated suburban area and is surrounded by private homes, various commercial and industrial activities, and a golf course. On-site areas include various buildings and other complexes connected by paved roads, the runway and ramp area, mowed fields, and a small wooded area. NAWC currently has about 2,000 employees, and 1,000 people reside at the enlisted men’s housing area year round. The closest off-base home is about 200 feet away from the NAWC property line. Residential development is located along the length of the southern property line of NAWC and to a lesser extent, along the northern property line. Industrial development is located along the west and northwest perimeter of NAWC property. Both residents and industry in the immediate vicinity of the site extensively use groundwater as a source of water. The site is located on a ridge, generally oriented east-west, with gentle on-site slopes that average three to five percent. NAWC is situated on an upland area divided between two local drainage basins, the Little Neshaminy Creek Basin on the north and the Southampton Creek Basin on the south. The northern 65 percent of the site (including Area C) drains toward the north through several swales and storm sewers into small unnamed tributaries of the Little Neshaminy Creek. The southern 35 percent of the facility drains toward the south to the headwaters of Southampton Creek, a tributary of Pennypack Creek. Both local drainage basins lie within the regional drainage basin of the Delaware River. Several of the tributaries of Little Neshaminy and Southampton Creeks originate at, or near, the outfall points of culverts adjacent to the NAWC property boundary. To date, eight areas on current NAWC property have been identified as areas used for the disposal of wastes containing hazardous substances. None of these areas are currently used for waste disposal. For investigative purposes, sites 1, 2, and 3 have been grouped into Area A, sites 5, 6, and 7 have been grouped into Area B, and sites 4, 8, and other miscellaneous areas collectively comprise Area C. The Navy has investigated hazardous substance releases at the Site in three phases. A Phase I remedial investigation (RI), Phase II RI and a Focused RI, which is currently in progress. The EPA has determined this off-site groundwater contamination may present an imminent threat to human health. To achieve significant risk reduction quickly, the Navy has organized work to date into three operable units as follows: OU-1: Contaminated groundwater attributable to Areas A and B OU-2: Contaminated off-site private wells OU-3: Contaminated groundwater attributable to Area C. The Pennsylvania Department of Environmental Resources (PA DER) recommended excavation and disposal of fire residuals and contaminated soils at Site 8 in October 1986. The Site was proposed for inclusion on the National Priorities List (NPL) also in 1986, and placed on the final NPL on October 4, 1989. By October 1988, the double soil berms on Site 8 had been removed. Naval Air Warfare Center (NAWC) personnel reported that these berms, fire residuals, trapped liquids, and soil from eroded areas had been analyzed and removed. The berm material was deposited in an area adjacent to Site 8 and the area was regraded. The Phase I Remedial Investigation (RI) was initiated in late 1988. The RI was completed and the Phase I RI Report was released on September 11, 1990. Phase I initiated the investigation of sites 1 through 8 by screening these sites for volatile organic compounds via soil gas analysis, electromagnetic surveys, soil borings, and by installing and sampling shallow monitoring wells. On September 20, 1990, the Navy and EPA signed an Interagency Agreement (IAG) which established a procedural framework for developing and implementing investigative and response actions at the Site in accordance with CERCLA and the National Contingency Plan. The Phase II RI was initiated in late 1991. This work included installing additional monitoring wells, analyzing groundwater, and evaluating aquifer characteristics. Four off-site wells were sampled during the Phase II RI. Based on the results on the
investigations of Phases I and II, the Navy completed RI and Feasibility Study (FS) Reports addressing contaminated groundwater in OU-1 in April 1993. In October 1993, a focused RI was initiated to further investigate the nature and extent of contaminated groundwater attributable to Areas A, B, and C, as well as in the vicinity of the main building complex at the base (Area D). On September 29, 1993, the Navy Jointly signed a Record of Decision with the EPA for OU-1. The ROD for OU-1 selected an interim remedy which included the pumping and treatment of groundwater to limit the migration of contaminated groundwater attributable to Areas A and B. From April 28, 1993 through September 30, 1994, the Navy sampled more than 500 wells to assess the impact of contaminated groundwater attributable to NAWC on off-site groundwater users in Areas A and B. Seven residential wells sampled exceeded EPA Removal Action Levels, while an additional thirty-nine residential wells exceeded Maximum Contaminant Levels (MCLs). At least part of this contamination is potentially attributable to the Site. In response, the Navy has conducted a CERCLA removal action, installing a water treatment system in each residence whether either EPA Removal Action Levels or MCLs have been exceeded. The EPA determined this off-site groundwater contamination may present an imminent threat to human health. In response, the EPA and the Navy have conducted additional CERCLA removal action work which provided residences exceeding EPA Removal Action Levels, as well as residences in the immediate path of the groundwater contamination, with connections to public water supply systems. The work completed under this Removal Action is considered to be Operable Unit Two (OU-2). In August 1994, The Navy released a Focused Feasibility Study (FFS) Report for OU-3 (contaminated groundwater attributable to Area C) at the Site. The FFS for OU-3 developed several remedial alternatives for addressing contaminated groundwater attributable to Area C. From June 1994 through December 1994, the EPA initiated and completed construction of the removal action for OU-2. In January 1995, the Navy initiated construction of the remedy for OU-1.

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 09/01/1979
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 11/01/1979
Priority Level: Low

Action: SITE INSPECTION
Date Started: 03/13/1984
Date Completed: 06/07/1985
Priority Level: High

Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: 05/17/1985
Date Completed: 10/21/1985
Priority Level: Being considered for proposal to the NPL

Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 06/10/1986
Priority Level: Not reported

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
NAVAL AIR DEVEL CTR

Date Started: Not reported
Date Completed: 08/15/1986
Priority Level: No PRPs Identified

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 10/04/1989
Priority Level: Not reported

Action: FEDERAL INTERAGENCY AGREEMENT
Date Started: 06/15/1989
Date Completed: 09/20/1990
Priority Level: Not reported

Action: INTERAGENCY AGREEMENT NEGOTIATIONS
Date Started: 06/15/1989
Date Completed: 09/20/1990
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 07/14/1993
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/20/1990
Date Completed: 07/14/1993
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/20/1990
Date Completed: 09/29/1993
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 09/29/1993
Priority Level: Not reported

Action: Restoration Advisory Board
Date Started: 12/15/1993
Date Completed: Not reported
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN
Date Started: 09/02/1993
Date Completed: 05/04/1994
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN
Date Started: 11/04/1993
Date Completed: 07/06/1994
Priority Level: Not reported

Action: FEDERAL FACILITY REMOVAL
Date Started: 05/14/1993
Date Completed: 07/12/1994
### NAVAL AIR DEVEL CTR (Continued)

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| Date Started: | 03/10/1995 |
| Date Completed: | 09/13/1996 |
| Priority Level: | Not reported |

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| Date Started: | 06/14/1994 |
| Date Completed: | 09/19/1996 |
| Priority Level: | Not reported |

| Action: FEDERAL FACILITY REMOVAL |
| Date Started: | 08/02/1996 |
| Date Completed: | 12/23/1996 |
| Priority Level: | Not reported |

| Action: FEDERAL FACILITY REMEDIATION INVESTIGATION/FEASIBILITY STUDY |
| Date Started: | 06/27/1994 |
| Date Completed: | 09/30/1997 |
| Priority Level: | Not reported |

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| Priority Level: | Not reported |

| Action: REMEDIAL INVESTIGATION |
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| Date Completed: | 09/29/1999 |
| Priority Level: | Not reported |

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**NAVAL AIR DEVEL CTR (Continued)**
NAVAL AIR DEVEL CTR (Continued)  1000124988

Date Completed: 06/26/2000  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 06/20/2000  
Date Completed: 07/19/2000  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 10/01/1993  
Date Completed: 09/06/2000  
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported  
Date Completed: 09/06/2000  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 10/01/1993  
Date Completed: 09/06/2000  
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported  
Date Completed: 09/06/2000  
Priority Level: Not reported

Action: PRELIMINARY CLOSE-OUT REPORT PREPARED  
Date Started: Not reported  
Date Completed: 09/06/2000  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 09/30/1998  
Date Completed: 09/06/2000  
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported  
Date Completed: 09/06/2000  
Priority Level: Final Remedy Selected at Site

Action: FEDERAL FACILITY FIVE YEAR REVIEW  
Date Started: 03/30/2001  
Date Completed: 01/17/2002  
Priority Level: Not reported

Action: FIVE YEAR REVIEW REPORT DUE  
Date Started: Not reported  
Date Completed: 01/17/2002  
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 06/26/2000  
Date Completed: 07/10/2002  
Priority Level: Not reported
NAVIAL AIR DEVEL CTR (Continued)

Action: FEDERAL FACILITY REMEDIAL ACTION
Date Started: 09/30/1990
Date Completed: 09/30/1991
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Date Completed: 09/30/1992
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Action: FEDERAL FACILITY REMEDIAL ACTION
Date Started: 07/31/1993
Date Completed: 08/30/1994
Priority Level: Not reported

Action: FIVE YEAR REVIEW REPORT DUE
Date Started: Not reported
Date Completed: Not reported
Priority Level: Not reported

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Event: RFI Imposition
Event Date: 08/24/1998
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 09/30/1995
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 12/01/1991
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 09/30/1991
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 09/30/1990

RCRAInfo:
Owner: U S NAVY
(215) 355-2559
EPA ID: PA6170024545
Contact: JOSEPH CLAY
(215) 441-3113
Classification: TSDF
TSDF Activities: Not reported

EDR ID Number: 1000124988
NAVAL AIR DEVEL CTR  (Continued)

Violation Status: Violations exist

Regulation Violated: TSD-OTHER REQUIREMENTS
Area of Violation:
Date Violation Determined: 09/25/1991
Actual Date Achieved Compliance: 10/23/1991
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/09/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/27/1991
Actual Date Achieved Compliance: 03/02/1992
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/09/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 03/27/1991
Actual Date Achieved Compliance: 03/02/1992

Regulation Violated: TSD-OTHER REQUIREMENTS
Area of Violation:
Date Violation Determined: 03/27/1991
Actual Date Achieved Compliance: 03/02/1992

Regulation Violated: Not reported
Area of Violation: TSD-LAND BAN REQUIREMENTS
Date Violation Determined: 03/27/1991
Actual Date Achieved Compliance: 03/02/1992
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/14/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/27/1991
Actual Date Achieved Compliance: 03/02/1992
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/14/1991
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined: 08/28/1990
Actual Date Achieved Compliance: 09/13/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/13/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/19/1989
Actual Date Achieved Compliance: 03/02/1992
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/23/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 01/25/1989
Actual Date Achieved Compliance: 03/02/1992

Regulation Violated: Not reported
Area of Violation: TSD-LAND BAN REQUIREMENTS
NAVAL AIR DEVEL CTR (Continued) 1000124988

Date Violation Determined: 01/25/1989
Actual Date Achieved Compliance: 03/02/1992
Regulation Violated: Not reported
Area of Violation: TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 09/28/1988
Actual Date Achieved Compliance: 09/11/1989
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/28/1988
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/15/1988
Actual Date Achieved Compliance: 06/19/1989
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/24/1988
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/12/1987
Actual Date Achieved Compliance: 05/07/1987
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/23/1987
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/22/1985
Actual Date Achieved Compliance: 03/02/1992

There are 13 violation record(s) reported at this site:

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Region: 03
Federal: Federal
Final Date: 10/04/1989
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Summary Details:

"Conditions at proposal (June 10, 1986): The Naval Air Development Center (NADC) covers 734 acres in Warminster Township, Bucks County, Pennsylvania. NADC was commissioned in 1944. Its main mission is research, development, testing, and evaluation for naval aircraft systems. The center also conducts studies in antisubmarine warfare systems and software development. Waste-generating activities include aircraft maintenance and repair, pest control, fire-fighting training, machine and plating shop operations, spray painting, and various materials research and testing activities in NADC laboratories. Wastes generated include paints, solvents, industrial waste water treatment sludge, and waste oils. Eight waste areas covering more than 2 acres are included in this NPL site. Navy contractors detected 1,1-dichloroethane, chromium, and nickel in ground water on the base. No significant contamination was detected in nearby surface water. The waste areas potentially affect the Stockton Formation aquifer, which provides water for over 100,000 persons within 3 miles of the site. Local surface water bodies are used for recreational and industrial purposes. NADC is participating in the Installation Restoration Program, established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. The Navy has completed Phase I (records search) and Phase II (confirmation study). As part of these efforts, NADC’s contractor installed monitoring wells and completed a ground water quality study. Ground water continues to be monitored. Status (October 4, 1989): The Navy has drafted a work plan for a remedial investigation to determine the type and extent of contamination at the site. EPA, the Pennsylvania Department of Environmental Resources, and the Navy are negotiating a CERCLA Section 120 Interagency Agreement for oversight of all CERCLA activities at NADC."

TC1761930.2s  Page 17
NAVAL AIR DEVEL CTR (Continued)

Site Status Details:
- NPL Status: Final
- Proposed Date: 06/10/1986
- Final Date: 10/04/1989
- Deleted Date: Not reported

CORRACTS Data:

EPA Id: PA6170024545
Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 09/30/1991
Corrective Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
2002 NAICS Title: Not reported

EPA Id: PA6170024545
Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 09/30/1995
Corrective Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
2002 NAICS Title: Not reported

EPA Id: PA6170024545
Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 12/01/1991
Corrective Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
2002 NAICS Title: Not reported

ROD:
- Full-text of USEPA Record of Decision(s) is available from EDR.

NJ MANIFEST:
- Manifest Code: NJA5260694
- EPA ID: PA6170024545
- Date Shipped: 20050616
- TSDF EPA ID: NJD980536593
- Transporter EPA ID: NJD080631369
- Transporter 2 EPA ID: NJD000692061
- Date Trans1 Transported Waste: 050616
- Date Trans2 Transported Waste: 050620
NAVAL AIR DEVEL CTR (Continued)

Date TSDF Received Waste: 050620
Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: 07220521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Waste Code: D001
Quantity: 400
Unit: P
Hand Code: S01

Waste Code: D002
Quantity: 320
Unit: P
Hand Code: S01

Waste Code: D001
Quantity: 755
Unit: P
Hand Code: S01

US Engineering Control Sites:
EPA ID: PA6170024545
Site ID: 0302466
EPA Region: 03
County: BUCKS
Event Code: Not reported
Actual Date: Not reported
Action ID: 003
Action Name: FF RA
Action Completion date: 07/11/2002
Planned Completion date: 03/30/2003
Operable Unit: 04
Contaminated Media: Groundwater
Contam. Media num.: 3273365.00000
Engineering Control: Pump And Treat
Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 03/10/1995
Planned Completion date: 12/31/1994
Operable Unit: 04
Contaminated Media: Groundwater
Contam. Media num.: 3270741.00000
Engineering Control: Pump And Treat
Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/1997
### NAVAL AIR DEVEL CTR (Continued)

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<td>Trans2 State ID:</td>
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<td>Generator Ship Date:</td>
<td>911015</td>
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<td>911101</td>
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<td>911104</td>
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<td>Container Type:</td>
<td>CM - Metal boxes, cases, roll-offs</td>
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<td>Specific Gravity:</td>
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<td>STREET ROAD</td>
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Click this hyperlink while viewing on your computer to access

181 additional NY MANIFEST: record(s) in the EDR Site Report.
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<th>Direction</th>
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<th>Distance (ft.)</th>
<th>Elevation</th>
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<th>Database(s)</th>
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<th>EDR ID Number</th>
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<td>1/8-1/4</td>
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<td>340 ft.</td>
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<td>CERCLIS</td>
<td>PA0000283945</td>
<td>1000885481</td>
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**CERCLIS:**
- Site ID: 0304969
- Federal Facility: Not a Federal Facility
- NPL Status: Not on the NPL
- Non NPL Status: PA Start Needed

**Site Description:** RESIDENTIAL DEVELOPMENT IN WARMINSTER/BUCKS COUNTY/PA.

**CERCLIS Assessment History:**
- **Action:** DISCOVERY
  - **Date Started:** Not reported
  - **Date Completed:** 05/11/1994
  - **Priority Level:** Not reported
- **Action:** PRELIMINARY ASSESSMENT
  - **Date Started:** 08/01/1997
  - **Date Completed:** 06/01/1998
  - **Priority Level:** Low

**FINDS:**
Other Pertinent Environmental Activity Identified at Site

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.
## ORPHAN SUMMARY

<table>
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<tr>
<th>City</th>
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<td>STORYBOOK HOMES/MANFRED DEREWAL</td>
<td>PARMENTIER RD</td>
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<td>CERC-NFRAP</td>
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<tr>
<td>SOUTHampton</td>
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<td>CONSTRUCTION DEMOLITION RECYCLING</td>
<td>1060 IND BLVD</td>
<td>18966</td>
<td>SWFLF</td>
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<td>HASKINS RESEARCH</td>
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<td>ICIS</td>
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<td>CHALFONT CORP</td>
<td>NEWTOWN RD</td>
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<td>CERC-NFRAP</td>
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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.

**FEDERAL RECORDS**

**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: 07/05/2006 | Source: EPA |
| Date Data Arrived at EDR: 08/02/2006 | Telephone: N/A |
| Date Made Active in Reports: 09/12/2006 | Last EDR Contact: 08/02/2006 |
| Number of Days to Update: 41 | Next Scheduled EDR Contact: 10/30/2006 |

**NPL Site Boundaries**

Sources:

- EPA’s Environmental Photographic Interpretation Center (EPIC)
  - Telephone: 202-564-7333

- EPA Region 1
  - Telephone 617-918-1143

- EPA Region 2
  - Telephone 215-814-5418

- EPA Region 3
  - Telephone 404-562-8033

- EPA Region 4
  - Telephone 312-886-6686

- EPA Region 5
  - Telephone 206-553-8665

- EPA Region 6
  - Telephone 214-655-6659

- EPA Region 7
  - Telephone 913-551-7247

- EPA Region 8
  - Telephone 303-312-6774

- EPA Region 9
  - Telephone 415-947-4246

**Proposed NPL:** Proposed National Priority List Sites

| Date of Government Version: 07/05/2006 | Source: EPA |
| Date Data Arrived at EDR: 08/02/2006 | Telephone: N/A |
| Date Made Active in Reports: 09/12/2006 | Last EDR Contact: 08/02/2006 |
| Number of Days to Update: 41 | Next Scheduled EDR Contact: 10/30/2006 |

**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: 07/05/2006 | Source: EPA |
| Date Data Arrived at EDR: 08/02/2006 | Telephone: N/A |
| Date Made Active in Reports: 09/12/2006 | Last EDR Contact: 08/02/2006 |
| Number of Days to Update: 41 | Next Scheduled EDR Contact: 10/30/2006 |

**Data Release Frequency:** Quarterly
NPL RECOVERY: 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.

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: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities
List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62
Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/21/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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.
This decision does not necessarily mean that there is no hazard associated with a given site; it only means that,
based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 07/17/2006
Date Data Arrived at EDR: 08/02/2006
Date Made Active in Reports: 09/12/2006
Number of Days to Update: 41
Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information
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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56
Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

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: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006
Date Data Arrived at EDR: 07/19/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 35
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/19/2006
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Annually

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: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
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: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 10/02/2006
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: 12/31/2004  Source:  USGS
Date Data Arrived at EDR: 02/08/2005  Telephone:  703-692-8801
Date Made Active in Reports: 08/04/2005  Last EDR Contact: 08/11/2006
Number of Days to Update: 177  Next Scheduled EDR Contact: 11/06/2006
   Data Release Frequency: Semi-Annually

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: 12/05/2005  Source:  U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006  Telephone:  202-528-4285
Date Made Active in Reports: 02/21/2006  Last EDR Contact: 09/18/2006
Number of Days to Update: 33  Next Scheduled EDR Contact: 01/01/2007
   Data Release Frequency: Varies

US BROWNFIELDS:  A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA’s Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities–especially those without EPA Brownfields Assessment Demonstration Pilots—minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA’s Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients—States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006  Source:  Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006  Telephone:  202-566-2777
Date Made Active in Reports: 09/06/2006  Last EDR Contact: 09/11/2006
Number of Days to Update: 55  Next Scheduled EDR Contact: 12/11/2006
   Data Release Frequency: Semi-Annually

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: 12/14/2004  Source:  Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005  Telephone:  Varies
Date Made Active in Reports: 04/25/2005  Last EDR Contact: 09/18/2006
Number of Days to Update: 69  Next Scheduled EDR Contact: 10/23/2006
   Data Release Frequency: Varies

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: 07/10/2006  Source:  EPA
Date Data Arrived at EDR: 07/21/2006  Telephone:  703-416-0223
Date Made Active in Reports: 09/06/2006  Last EDR Contact: 07/06/2006
Number of Days to Update: 47  Next Scheduled EDR Contact: 10/02/2006
   Data Release Frequency: Annually
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: 11/04/2005  Date Data Arrived at EDR: 11/28/2005  Date Made Active in Reports: 01/30/2006  Number of Days to Update: 63
Source: Department of Energy  Telephone: 505-845-0011  Last EDR Contact: 09/05/2006  Next Scheduled EDR Contact: 12/18/2006  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 258Subtitle 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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006  Date Data Arrived at EDR: 07/21/2006  Date Made Active in Reports: 08/22/2006  Number of Days to Update: 32
Source: EPA  Telephone: 202-564-6064  Last EDR Contact: 07/06/2006  Next Scheduled EDR Contact: 10/02/2006  Data Release Frequency: Quarterly

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: 12/31/2004  Date Data Arrived at EDR: 06/22/2006  Date Made Active in Reports: 08/23/2006  Number of Days to Update: 62
Source: EPA  Telephone: 202-566-0250  Last EDR Contact: 09/22/2006  Next Scheduled EDR Contact: 12/18/2006  Data Release Frequency: Annually

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: 12/31/2002  Date Data Arrived at EDR: 04/14/2006  Date Made Active in Reports: 05/30/2006  Number of Days to Update: 46
Source: EPA  Telephone: 202-260-5521  Last EDR Contact: 07/17/2006  Next Scheduled EDR Contact: 10/16/2006  Data Release Frequency: Every 4 Years

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: 07/14/2006  Date Data Arrived at EDR: 07/18/2006  Date Made Active in Reports: 09/06/2006  Number of Days to Update: 50
FTTS INSPI: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

- **Date of Government Version:** 07/14/2006
- **Source:** EPA
- **Telephone:** 202-566-1667
- **Date Data Arrived at EDR:** 07/18/2006
- **Last EDR Contact:** 09/18/2006
- **Next Scheduled EDR Contact:** 12/18/2006
- **Number of Days to Update:** 50
- **Data Release Frequency:** Quarterly

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:** 12/31/2004
- **Source:** EPA
- **Telephone:** 202-564-4203
- **Date Data Arrived at EDR:** 05/11/2006
- **Last EDR Contact:** 07/17/2006
- **Next Scheduled EDR Contact:** 10/16/2006
- **Number of Days to Update:** 11
- **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:** 02/13/2006
- **Source:** Environmental Protection Agency
- **Telephone:** 202-564-5088
- **Date Data Arrived at EDR:** 04/21/2006
- **Last EDR Contact:** 07/17/2006
- **Next Scheduled EDR Contact:** 10/16/2006
- **Number of Days to Update:** 20
- **Data Release Frequency:** Quarterly

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:** 07/07/2006
- **Source:** EPA
- **Telephone:** 202-566-0500
- **Date Data Arrived at EDR:** 08/09/2006
- **Last EDR Contact:** 08/09/2006
- **Next Scheduled EDR Contact:** 11/06/2006
- **Number of Days to Update:** 28
- **Data Release Frequency:** Annually

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:** 07/10/2006
- **Source:** Nuclear Regulatory Commission
- **Telephone:** 301-415-7169
- **Date Data Arrived at EDR:** 07/20/2006
- **Last EDR Contact:** 07/03/2006
- **Next Scheduled EDR Contact:** 10/02/2006
- **Number of Days to Update:** 48
- **Data Release Frequency:** Quarterly

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:** 05/16/2006
- **Source:** Department of Labor, Mine Safety and Health Administration
- **Telephone:** 303-231-5959
- **Date Data Arrived at EDR:** 06/28/2006
- **Last EDR Contact:** 06/28/2006
- **Next Scheduled EDR Contact:** 09/25/2006
- **Number of Days to Update:** 56
- **Data Release Frequency:** Semi-Annually
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: 07/21/2006  
Date Data Arrived at EDR: 07/25/2006  
Date Made Active in Reports: 09/06/2006  
Number of Days to Update: 43  
Source: EPA  
Telephone: N/A  
Last EDR Contact: 04/03/2006  
Next Scheduled EDR Contact: 07/03/2006  
Data Release Frequency: Quarterly

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  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35  
Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 09/05/2006  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: No Update Planned

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: 12/31/2003  
Date Data Arrived at EDR: 06/17/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 48  
Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/15/2006  
Next Scheduled EDR Contact: 12/11/2006  
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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: 02/01/2006  
Date Data Arrived at EDR: 02/17/2006  
Date Made Active in Reports: 03/15/2006  
Number of Days to Update: 26  
Source: Department Environmental Protection  
Telephone: 717-783-7816  
Last EDR Contact: 08/18/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Semi-Annually

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: 05/05/2004  
Date Data Arrived at EDR: 05/26/2004  
Date Made Active in Reports: 06/24/2004  
Number of Days to Update: 29  
Source: Department of Environmental Protection  
Telephone: 717-783-7816  
Last EDR Contact: 08/16/2006  
Next Scheduled EDR Contact: 11/13/2006  
Data Release Frequency: Varies
SWF/LF: Operating Facilities
- Date of Government Version: 03/15/2006
- Date Data Arrived at EDR: 03/31/2006
- Date Made Active in Reports: 05/04/2006
- Number of Days to Update: 34
- Source: Department of Environmental Protection
- Telephone: 717-787-7564
- Last EDR Contact: 09/21/2006
- Next Scheduled EDR Contact: 12/18/2006
- Data Release Frequency: Semi-Annually

HIST LF: Abandoned Landfill Inventory
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.
- 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: 09/18/2006
- Next Scheduled EDR Contact: 12/18/2006
- Data Release Frequency: Varies

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 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.
- 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

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.
- Date of Government Version: 06/14/2006
- Date Data Arrived at EDR: 07/12/2006
- Date Made Active in Reports: 08/18/2006
- Number of Days to Update: 37
- Source: Department of Environmental Protection
- Telephone: 717-783-7509
- Last EDR Contact: 07/12/2006
- Next Scheduled EDR Contact: 10/09/2006
- Data Release Frequency: Semi-Annually

UNREG LTANKS: Unregulated Tank Cases
Leaking storage tank cases from unregulated storage tanks.
- Date of Government Version: 04/12/2002
- Date Data Arrived at EDR: 08/14/2003
- Date Made Active in Reports: 08/29/2003
- Number of Days to Update: 15
- Source: Department of Environmental Protection
- Telephone: 717-783-7509
- Last EDR Contact: 08/14/2003
- Next Scheduled EDR Contact: N/A
- Data Release Frequency: No Update Planned
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: 06/01/2006 | Source: Department of Environmental Protection
| Date Data Arrived at EDR: 06/07/2006 | Telephone: 717-772-5599
| Date Made Active in Reports: 06/30/2006 | Last EDR Contact: 07/11/2006
| Number of Days to Update: 23 | Next Scheduled EDR Contact: 10/09/2006
| Data Release Frequency: Varies |

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: 06/01/2006 | Source: Department of Environmental Protection
| Date Data Arrived at EDR: 06/07/2006 | Telephone: 717-772-5599
| Date Made Active in Reports: 07/12/2006 | Last EDR Contact: 07/11/2006
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 10/09/2006
| Data Release Frequency: Varies |

LAST: Storage Tank Release Sites
Leaking Aboveground Storage Tank Incident Reports.

| Date of Government Version: 06/14/2006 | Source: Department of Environmental Protection
| Date Data Arrived at EDR: 07/12/2006 | Telephone: 717-783-7509
| Date Made Active in Reports: 08/18/2006 | Last EDR Contact: 07/12/2006
| Number of Days to Update: 37 | Next Scheduled EDR Contact: 10/09/2006
| Data Release Frequency: Varies |

AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks
Registered Aboveground Storage Tanks.

| Date of Government Version: 06/01/2006 | Source: Department of Environmental Protection
| Date Data Arrived at EDR: 06/07/2006 | Telephone: 717-772-5599
| Date Made Active in Reports: 06/30/2006 | Last EDR Contact: 07/11/2006
| Number of Days to Update: 23 | Next Scheduled EDR Contact: 10/09/2006
| Data Release Frequency: Semi-Annually |

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: 06/01/2006 | Source: Department of Environmental Protection
| Date Data Arrived at EDR: 06/07/2006 | Telephone: 717-772-5599
| Date Made Active in Reports: 07/12/2006 | Last EDR Contact: 07/11/2006
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 10/09/2006
| Data Release Frequency: Varies |

MANIFEST: Manifest Information
Hazardous waste manifest information.

| Date of Government Version: 12/31/2005 | Source: Department of Environmental Protection
| Date Data Arrived at EDR: 05/04/2006 | Telephone: N/A
| Date Made Active in Reports: 06/06/2006 | Last EDR Contact: 09/11/2006
| Number of Days to Update: 33 | Next Scheduled EDR Contact: 12/11/2006
| Data Release Frequency: 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: 06/20/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 21
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

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: 03/08/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 21
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

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: 03/08/2006
Date Data Arrived at EDR: 05/16/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 21
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites involved in the Voluntary Cleanup Program

Date of Government Version: 06/20/2006
Date Data Arrived at EDR: 08/21/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 21
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Locations

A listing of drycleaner facility locations.

Date of Government Version: 07/20/2006
Date Data Arrived at EDR: 07/20/2006
Date Made Active in Reports: 08/18/2006
Number of Days to Update: 29
Next Scheduled EDR Contact: 10/16/2006
Data Release Frequency: Varies
BROWNFIELDS: Brownfields Sites

Date of Government Version: 06/20/2006
Date Data Arrived at EDR: 06/21/2006
Date Made Active in Reports: 07/12/2006
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 11/13/2006
Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/03/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 34

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Annually

TRIBAL RECORDS

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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

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: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/28/2006
Number of Days to Update: 19

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
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: 06/06/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land


Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

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: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly
INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2006  Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006  Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006  Last EDR Contact: 08/21/2006
Number of Days to Update: 64  Next Scheduled EDR Contact: 11/20/2006
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: 01/04/2005  Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005  Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005  Last EDR Contact: 08/21/2006
Number of Days to Update: 38  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006  Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006  Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006  Last EDR Contact: 08/21/2006
Number of Days to Update: 21  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004  Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004  Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005  Last EDR Contact: 08/21/2006
Number of Days to Update: 37  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006  Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006  Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006  Last EDR Contact: 08/21/2006
Number of Days to Update: 49  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006  Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006  Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006  Last EDR Contact: 08/21/2006
Number of Days to Update: 49  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006  Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006  Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006  Last EDR Contact: 08/21/2006
Number of Days to Update: 65  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land
INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/10/2006
Date Made Active in Reports: 09/12/2006
Number of Days to Update: 64
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: 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 Historical Auto Stations: EDR Proprietary Historic Gas 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.

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 Historical Cleaners: EDR Proprietary Historic Dry 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.

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
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: 12/31/2004
- Date Data Arrived at EDR: 02/17/2006
- Date Made Active in Reports: 04/07/2006
- Number of Days to Update: 49
- Source: Department of Environmental Protection
- Telephone: 860-424-3375
- Last EDR Contact: 09/11/2006
- Next Scheduled EDR Contact: 12/11/2006
- Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

- Date of Government Version: 06/01/2006
- Date Data Arrived at EDR: 07/06/2006
- Date Made Active in Reports: 08/01/2006
- Number of Days to Update: 26
- Source: Department of Environmental Protection
- Telephone: N/A
- Last EDR Contact: 07/05/2006
- Next Scheduled EDR Contact: 10/02/2006
- Data Release Frequency: Annually

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: 05/02/2006
- Date Data Arrived at EDR: 05/31/2006
- Date Made Active in Reports: 06/27/2006
- Number of Days to Update: 27
- Source: Department of Environmental Conservation
- Telephone: 518-402-8651
- Last EDR Contact: 08/30/2006
- Next Scheduled EDR Contact: 11/27/2006
- Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

- Date of Government Version: 09/30/2005
- Date Data Arrived at EDR: 05/09/2006
- Date Made Active in Reports: 05/24/2006
- Number of Days to Update: 15
- Source: Department of Environmental Management
- Telephone: 401-222-2797
- Last EDR Contact: 09/18/2006
- Next Scheduled EDR Contact: 12/18/2006
- Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

- Date of Government Version: 12/31/2005
- Date Data Arrived at EDR: 06/29/2006
- Date Made Active in Reports: 07/31/2006
- Number of Days to Update: 32
- Source: Department of Environmental Conservation
- Telephone: 802-241-3443
- Last EDR Contact: 08/15/2006
- Next Scheduled EDR Contact: 11/13/2006
- Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

- Date of Government Version: 12/31/2005
- Date Data Arrived at EDR: 03/17/2006
- Date Made Active in Reports: 05/02/2006
- Number of Days to Update: 46
- Source: Department of Natural Resources
- Telephone: N/A
- Last EDR Contact: 07/25/2006
- Next Scheduled EDR Contact: 10/09/2006
- Data Release Frequency: Annually
Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
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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.

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, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION
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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.
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 SSW

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.
**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**

Target Property County: BUCKS, PA

Flood Plain Panel at Target Property: 00000000000

Additional Panels in search area: 4209880015B, 4209900002C, 4209890001C

**NATIONAL WETLAND INVENTORY**

NWI Quad at Target Property: HATBORO

**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.

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>LOCATION</th>
<th>GENERAL DIRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Reported</td>
<td>FROM TP</td>
<td>GROUNDWATER FLOW</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Era:</th>
<th>Mesozoic</th>
</tr>
</thead>
<tbody>
<tr>
<td>System:</td>
<td>Triassic</td>
</tr>
<tr>
<td>Series:</td>
<td>Triassic</td>
</tr>
<tr>
<td>Code:</td>
<td>Tr</td>
</tr>
</tbody>
</table>

GEOLOGIC AGE IDENTIFICATION

| Category: | Stratified Sequence |

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: URBAN LAND
Soil Surface Texture: variable
Hydrologic Group: Not reported
Soil Drainage Class: Not reported
Hydric Status: Soil does not meet the requirements for a hydric soil.
Corrosion Potential - Uncoated Steel: Not Reported
Depth to Bedrock Min: > 10 inches
Depth to Bedrock Max: > 99 inches

Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper</td>
<td>Lower</td>
</tr>
<tr>
<td>1</td>
<td>0 inches</td>
<td>0 inches</td>
</tr>
</tbody>
</table>

Soil Map ID: 2

Soil Component Name: LAWRENCEVILLE
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. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.
Hydric Status: Soil does not meet the requirements for a hydric soil.
Corrosion Potential - Uncoated Steel: MODERATE
Depth to Bedrock Min: > 60 inches
Depth to Bedrock Max: > 60 inches
## Soil Layer Information

<table>
<thead>
<tr>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layer 1</td>
<td>0 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>Max: 2.00 Min: 0.60</td>
</tr>
<tr>
<td>Layer 2</td>
<td>9 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>Max: 2.00 Min: 0.60</td>
</tr>
<tr>
<td>Layer 3</td>
<td>25 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>Max: 0.60 Min: 0.20</td>
</tr>
<tr>
<td>Layer 4</td>
<td>44 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>Max: 0.60 Min: 0.20</td>
</tr>
</tbody>
</table>

### Soil Map ID: 3

**Soil Component Name:** UDORTHEENTS

**Soil Surface Texture:** silt loam

**Hydrologic Group:** Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

**Soil Drainage Class:** Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

**Hydric Status:** Soil does not meet the requirements for a hydric soil.

**Corrosion Potential - Uncoated Steel:** HIGH

**Depth to Bedrock Min:** > 20 inches

**Depth to Bedrock Max:** > 60 inches
## Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>6 inches</td>
<td>silt loam</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
</tr>
<tr>
<td>2</td>
<td>6 inches</td>
<td>60 inches</td>
<td>very channery - silt loam</td>
<td>COARSE-GRAINED SOILS, Gravels, Clean Gravels, Well-graded gravel, COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.</td>
</tr>
</tbody>
</table>

### Soil Map ID: 4

- **Soil Component Name:** URBAN LAND
- **Soil Surface Texture:** variable
- **Hydrologic Group:** Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.
- **Soil Drainage Class:** Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

- **Hydric Status:** Soil does not meet the requirements for a hydric soil.
- **Corrosion Potential - Uncoated Steel:** Not Reported
- **Depth to Bedrock Min:** > 10 inches
- **Depth to Bedrock Max:** > 99 inches

### Soil Properties

- **Permeability Rate (in/hr):**
  - Max: 6.00
  - Min: 0.20
  - Max: 8.40
  - Min: 4.50

- **Soil Reaction (pH):**
  - Max: 8.40
  - Min: 4.50
## Soil Map ID: 5

### Soil Component Name:
URBAN LAND

### Soil Surface Texture:
variable

### Hydrologic Group:
Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

### Soil Drainage Class:
Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

### Hydric Status:
Soil does not meet the requirements for a hydric soil.

### Corrosion Potential - Uncoated Steel:
Not Reported

### Depth to Bedrock Min:
> 10 inches

### Depth to Bedrock Max:
> 10 inches

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>10 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay.</td>
<td>Max: 2.00</td>
<td>Min: 0.60</td>
</tr>
<tr>
<td>2</td>
<td>0 inches</td>
<td>0 inches</td>
<td>variable</td>
<td>Not reported</td>
<td>Not reported</td>
<td></td>
<td>Max: 0.00</td>
</tr>
<tr>
<td>3</td>
<td>49 inches</td>
<td>66 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 2.00</td>
<td>Min: 0.60</td>
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**Soil Map ID:** 5

**Soil Component Name:** URBAN LAND

**Soil Surface Texture:** variable

**Hydrologic Group:** Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

**Soil Drainage Class:** Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

**Hydric Status:** Soil does not meet the requirements for a hydric soil.

**Corrosion Potential - Uncoated Steel:** Not Reported

**Depth to Bedrock Min:** > 10 inches

**Depth to Bedrock Max:** > 10 inches
**SOIL LAYER INFORMATION**

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Classification</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
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<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>6 inches</td>
<td>variable</td>
<td>Not reported</td>
<td>Not reported</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Min: 0.00</td>
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</table>

**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**

<table>
<thead>
<tr>
<th>DATABASE</th>
<th>SEARCH DISTANCE (miles)</th>
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<tbody>
<tr>
<td>Federal USGS</td>
<td>1.000</td>
</tr>
<tr>
<td>Federal FRDS PWS</td>
<td>Nearest PWS within 1 mile</td>
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<tr>
<td>State Database</td>
<td>1.000</td>
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**FEDERAL USGS WELL INFORMATION**

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>WELL ID</th>
<th>LOCATION FROM TP</th>
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<tbody>
<tr>
<td>A1</td>
<td>USGS2165189</td>
<td>0 - 1/8 Mile SSW</td>
</tr>
<tr>
<td>A2</td>
<td>USGS2165188</td>
<td>0 - 1/8 Mile SSW</td>
</tr>
<tr>
<td>A3</td>
<td>USGS2165187</td>
<td>0 - 1/8 Mile SSW</td>
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<tr>
<td>B7</td>
<td>USGS2165228</td>
<td>0 - 1/8 Mile ENE</td>
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<tr>
<td>B8</td>
<td>USGS2165226</td>
<td>0 - 1/8 Mile ENE</td>
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<tr>
<td>B9</td>
<td>USGS2165227</td>
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<td>C13</td>
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<td>B18</td>
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<td>E19</td>
<td>USGS2165229</td>
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<td>C20</td>
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### Federal USGS Well Information

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Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.

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**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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Note: The site had been pumped recently.
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 12  
  **Hole Diameter:** 12
- **Top Of Hole:** 12
- **Bottom Of Hole:** 203  
  **Hole Diameter:** 8

**Screen Opening Information:**
- **Top Open Interval:** 180
- **Bottom Open Interval:** 200  
  **Diameter Open Interval:** 4
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

**Geohydrologic Information:**
- **AAPG:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/18/1993 00:00:00

**Remarks Information:**
- **Remark:** LSD=LS (MANHOLE COVER TYPE WELL CAP)
- **Remark Date:** 11/18/1993 00:00:00

---

**A5**

**SSW**

**0 - 1/8 Mile**

**Lower**

**WELLID:** 401146075031702  
**LOCALWELLN:** BK 2542

**COUNTY:** BUCKS  
**AAPG:** 231SCKNM

**TOPOGRAPHY:** VALLEY FLAT

**WELDEPTH:** 85

**ELEVATION:** 340

**ELEVMETHOD:** Not Reported

**ACCURACYOF:** 5

**HYDROLOGIC:** 02040201

**LATLONGACCURACY:** Not Reported

**QUAD:** HATBORO

**TYPESITE:** WELL

**DATECREATE:** Not Reported  
**DATEUPDATE:** Not Reported

**SOURCE DEPTH DATA:** USGS OR PAGS

**MUNICIPALITY:** WARMINSTER TWP.

**LATITUDE:** 40.19611

**LONGITUDE:** -75.05472
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

| **DEPTH TO BED:** | 0 |
| **DATE DRILLED:** | Not Reported |
| **PAGWIS ID:** | 42459 |

**Agency Use Section:**
- **Agency Use of Site:** ANODE
- **Agency Use Date:** 05/31/1995 00:00:00

**Construction Information:**
- **Construction Date:** 11/08/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 12
- **Casing:** STEEL
- **Top Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 8
- **Bottom Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 4

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 12
- **Hole Diameter:** 12
- **Top Of Hole:** 12
- **Bottom Of Hole:** 153
- **Hole Diameter:** 8

**Screen Opening Information:**
- **Top Open Interval:** 70
- **Bottom Open Interval:** 85
- **Diameter Open Interval:** 4
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

**Geohydrologic Information:**
- **A A P G:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/08/1993 00:00:00

**Remarks Information:**
- **Remark:** LSD=LS MANHOLE COVER TYPE WELL CAP
- **Remark Date:** 11/08/1993 00:00:00
Map ID: A6  
Direction: SSW  
Distance: 0 - 1/8 Mile  
Elevation:  

Database: PA WELLS  
EDR ID Number: PA1000000056836  

### Well Information
- **WELLID:** 401146075031703  
- **LOCALWELLN:** BK 2544  
- **COUNTY:** BUCKS  
- **AAPG:** 231SCKNM  
- **TOPOGRAPHY:** VALLEY FLAT  
- **WELDEPTH:** 50  
- **ELEVATION:** 340  
- **ELEVMETHOD:** Not Reported  
- **ACCURACYOF:** 5  
- **HYDROLOGIC:** 02040201  
- **LATLONGACCURACY:** Not Reported  
- **QUAD:** HATBORO  
- **TYPEOFSITE:** WELL  
- **DATECREATE:** Not Reported  
- **DATEUPDATE:** Not Reported  
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  

### Casing Information
- **SCREEN:** Finish  
- **AIR ROTARY:** Method Cons  
- **USGS OR PAGS:** Source Cons Data  
- **11/24/1993 00:00:00:** Construction Date  
- **0330:** Driller  
- **HATBORO:** MUNICIPALITY  
- **WARMINSTER TWP.:** LATITUDEDD  
- **40.19611:** LATITUDEDD  
- **-75.05472:** LONGITUDEDD  
- **0:** DEPTHTOBED  
- **Not Reported:** DATEDRILLE  
- **42460:** PAGWIS ID  

### Construction Information
- **ANODE:** Agency Use of Site  
- **05/31/1995 00:00:00:** Agency Use Date  

### Casing Information:
- **Top Of Casing:** 0  
- **Bottom Of Casing:** 12  
- **Casing:** STEEL  
- **Casing Diameter:** 8  
- **Casing Wall Thickness:** Not Reported

- **Top Of Casing:** 0  
- **Bottom Of Casing:** 50  
- **Casing:** PVC OR OTHER PLASTIC  
- **Casing Diameter:** 4  
- **Casing Wall Thickness:** Not Reported

### Hole Information:
- **Top Of Hole:** 0  
- **Bottom Of Hole:** 12  
- **Hole Diameter:** 12

- **Top Of Hole:** 12  
- **Bottom Of Hole:** 53  
- **Hole Diameter:** 8
Screen Opening Information:
Top Open Interval: 35
Bottom Open Interval: 50
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 11/24/1993 00:00:00

Remarks Information:
Remark: LSD=LS MANHOLE COVER TYPE WELL CAP
Remark Date: 11/24/1993 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
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**B10 ENE 0 - 1/8 Mile Lower**

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- **LOCALWELLN:** BK 2552  
- **COUNTY:** BUCKS  
- **AAPG:** 231SCKNM  
- **TOPOGRAPHY:** VALLEY FLAT  
- **WELDEPTH:** 75  
- **ELEVATION:** 362  
- **ELEVMETHOD:** Not Reported  
- **ACCURACYOF:** 5  
- **HYDROLOGIC:** 02040201  
- **LATLONGACCURACY:** Not Reported  
- **QUAD:** HATBoro  
- **TYPEOFSITE:** WELL  
- **DATECREATE:** Not Reported  
- **DATEUPDATE:** Not Reported  
- **DAIRELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAG pest. survey)  
- **SOURCE DEPTH DATA:** USGS OR PAGS  
- **MUNICIPALITY:** WARMINSTER TWP.  
- **LATITUDEDD:** 40.19722  
- **LONGITUDEDD:** -75.05333  
- **DEPTHTOBED:** 0  
- **DATEDRILLE:** Not Reported  
- **PAGWIS ID:** 42468

#### Agency Use Section:
- **Agency Use of Site:** ANODE  
- **Agency Use Date:** 05/31/1995 00:00:00

#### Construction Information:
- **Construction Date:** 11/17/1993 00:00:00  
- **Driller:** 0330  
- **Source Cons Data:** USGS OR PAGS  
- **Method Cons:** AIR ROTARY  
- **Finish:** SCREEN

#### Casing Information:
- **Top Of Casing:** 0  
  - **Casing Wall Thickness:** Not Reported  
  - **Casing Diameter:** 8  
  - **Bottom Of Casing:** 12  
  - **Casing:** STEEL

- **Top Of Casing:** 0  
  - **Casing Wall Thickness:** Not Reported  
  - **Casing Diameter:** 4  
  - **Bottom Of Casing:** 75  
  - **Casing:** PVC OR OTHER PLASTIC

#### Hole Information:
- **Top Of Hole:** 0  
  - **Hole Diameter:** 12  
  - **Bottom Of Hole:** 12

- **Top Of Hole:** 0  
  - **Hole Diameter:** 8  
  - **Bottom Of Hole:** 78
### Screen Opening Information:
- Top Open Interval: 60
- Bottom Open Interval: 75
- Diameter Open Interval: 4
- Open Interval Material: PLASTIC
- Opening: SCREEN

### Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

### Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

### Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/17/1993 00:00:00

### Remarks Information:
- Remark: LSD= 2.0
- Remark Date: 11/17/1993 00:00:00

### Other ID Information:
- Other Identifier: HN-08-I
- Other I D Assignor: OWNER PA

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**B12 ENE 0 - 1/8 Mile Lower**

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- **Agency Use Date:** 05/31/1995 00:00:00

### Construction Information:
- **Construction Date:** 11/17/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 12.5
- **Casing:** STEEL
  - **Casing Wall Thickness:** Not Reported
  - **Casing Diameter:** 8
- **Top Of Casing:** 0
- **Bottom Of Casing:** 45
- **Casing:** PVC OR OTHER PLASTIC
  - **Casing Wall Thickness:** Not Reported
  - **Casing Diameter:** 4

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 12.5
  - **Hole Diameter:** 12
- **Top Of Hole:** 12
- **Bottom Of Hole:** 53
  - **Hole Diameter:** 8

### Screen Opening Information:
- **Top Open Interval:** 25
- **Bottom Open Interval:** 45
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information:
- **A A P G:** 231SCKNMA
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/17/1993 00:00:00

### Remarks Information:
- **Remark:** MP=1.7
- **Remark Date:** 11/17/1993 00:00:00

### Other ID Information:
- **Other Identifier:** HN-8-S
- **Other I D Assignor:** OWNER PA
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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Ground-water levels, Number of Measurements: 0

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**C14**

**SE**

**0 - 1/8 Mile**

**Lower**

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<td>Source of depth data:</td>
<td>logs</td>
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</tr>
<tr>
<td>Real time data flag:</td>
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<td></td>
<td></td>
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<tr>
<td>Daily flow data end date:</td>
<td>Not Reported</td>
<td>Daily flow data count:</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Peak flow data begin date:</td>
<td>Not Reported</td>
<td>Peak flow data end date:</td>
<td>Not Reported</td>
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### Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<tbody>
<tr>
<td>1998-05-07</td>
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Note: Water level was affected by atmospheric pressure.

---

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

<table>
<thead>
<tr>
<th>D15</th>
<th>D16</th>
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<tbody>
<tr>
<td>NW</td>
<td>NW</td>
</tr>
<tr>
<td>0 - 1/8 Mile Higher</td>
<td>0 - 1/8 Mile Higher</td>
</tr>
<tr>
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**Agency cd:** USGS  
**Site name:** BK 2947  
**Latitude:** 401153  
**Longitude:** 0750320  
**Dec Ion:** -75.05517033  
**Coo accr:** S  
**Dec latlong datum:** NAD83  
**State:** 42  
**Country:** US  
**Location map:** HATBORO  
**Altitude:** 370  
**Altitude accuracy:** 5  
**Hydrologic:** Lower Delaware. New Jersey, Pennsylvania. Area = 1050 sq.mi.  
**Topographic:** Hillside (slope)  
**Site type:** Ground-water other than Spring  
**Date inventoried:** 19980507  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer:** STOCKTON FORMATION, MIDDLE MEMBER  
**Well depth:** 48.5  
**Source of depth data:** geologist  
**Real time data flag:** 0  
**Daily flow data end date:** 0000-00-00  
**Peak flow data begin date:** 0000-00-00  
**Peak flow data count:** 0  
**Water quality data end date:** 0000-00-00  
**Ground water data begin date:** 1998-05-07  
**Ground water data count:** 1  

**Ground-water levels, Number of Measurements: 0**

<table>
<thead>
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<th>Date</th>
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<tbody>
<tr>
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</tbody>
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---

**FED USGS**  
**USGS2165254**

---

**FED USGS**  
**USGS2165255**

---

**FED USGS**  
**USGS2165254**

---
Note: Water level was affected by atmospheric pressure.
Ground water data begin date: 1998-05-08
Ground water data end date: 1998-05-08
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below</th>
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</thead>
<tbody>
<tr>
<td>1998-05-08</td>
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Note: Water level was affected by atmospheric pressure.

B18
ENE
0 - 1/8 Mile
Lower

Agency cd: USGS
Site name: BK 2945
Latitude: 401152
Longitude: 0750310
Dec lon: -75.05239248
Coor acc: S
Dec lat: 40.19788653
Coor meth: M
Dec latlong datum: NAD83
Map scale: 24000
Altitude: 350
Altitude method: M
Altitude accuracy: 5
Altitude datum: NGVD29
Topographic: Upland draw
Site type: Ground-water other than Spring
Date construction: 19980429
Date inventoried: 19980508
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 42
Hole depth: 93
Source of depth data: reporting agency (generally USGS)
Project number: 44423500
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Peak flow data end date: 0000-00-00
Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1998-05-08
Ground water data end date: 1998-05-08
Ground water data count: 1
### E19

#### West

#### 1/8 - 1/4 Mile

#### Lower

<table>
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<tr>
<td>1998-05-08 11.00</td>
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<tr>
<td>Note: Water level was affected by atmospheric pressure.</td>
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#### Agency cd: USGS

#### Site name: BK 2949

#### Longitude: 0750325

#### Dec ion: -75.05655927

#### Coor accr: S

#### Dec latlong datum: NAD83

#### State: 42

#### Country: US

#### Location map: HATBORO

#### Altitude: 350

#### Altitude accuracy: 5


#### Topographic: Hillside (slope)

#### Site type: Ground-water other than Spring

#### Date inventoried: 19980504

#### Local standard time flag: Y

#### Type of ground water site: Single well, other than collector or Ranney type

#### Aquifer: STOCKTON FORMATION, MIDDLE MEMBER

#### Well depth: 59

#### Source of depth data: geologist

#### Real time data flag: 0

#### Daily flow data end date: 0000-00-00

#### Peak flow data begin date: 0000-00-00

#### Peak flow data count: 0

#### Water quality data end date: 0000-00-00

#### Ground water data begin date: 1998-05-04

#### Ground water data count: 1

---

### C20

#### ESE

#### 1/8 - 1/4 Mile

#### Lower

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<tr>
<td>Agency cd</td>
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<tr>
<td>Site name</td>
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<tr>
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<tr>
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<td>Dec lat long datum</td>
<td>NAD83</td>
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</tr>
<tr>
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<td>Location map</td>
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<tr>
<td>Altitude</td>
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<tr>
<td>NGVD29 Altitude Datum</td>
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<td>groundwater other than Spring</td>
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<tr>
<td>Type of ground water site</td>
<td>Single well, other than collector or Ranney type</td>
<td></td>
</tr>
<tr>
<td>Aquifer Type</td>
<td>Unconfined single aquifer</td>
<td></td>
</tr>
<tr>
<td>Well depth</td>
<td>140</td>
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</tr>
<tr>
<td>Hole depth</td>
<td>Not Reported</td>
<td></td>
</tr>
<tr>
<td>Source of depth data</td>
<td>logs</td>
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<td>Real time data flag</td>
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<tr>
<td>Daily flow data end date</td>
<td>Not Reported</td>
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<td>Peak flow data begin date</td>
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<tr>
<td>Peak flow data count</td>
<td>Not Reported</td>
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<tr>
<td>Water quality data end date</td>
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**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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<th>Value</th>
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<tbody>
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</tr>
<tr>
<td>Site name</td>
<td>BK 2830</td>
</tr>
<tr>
<td>Latitude</td>
<td>401146</td>
</tr>
<tr>
<td>Dec lat</td>
<td>40.19621989</td>
</tr>
<tr>
<td>Dec lat long datum</td>
<td>NAD83</td>
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<td>State</td>
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<tr>
<td>groundwater other than Spring</td>
<td>Date construction: 19951205</td>
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<td>Type of ground water site</td>
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<tr>
<td>Aquifer Type</td>
<td>Unconfined single aquifer</td>
</tr>
<tr>
<td>Well depth</td>
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<tr>
<td>Hole depth</td>
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<td>Source of depth data</td>
<td>logs</td>
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<td>Real time data flag</td>
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<tr>
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<td>Peak flow data begin date</td>
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<tr>
<td>Peak flow data count</td>
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**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

<table>
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<th>Description</th>
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<td>Ground-water levels, Number of Measurements:</td>
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**C22**  
**SE**  
1/8 - 1/4 Mile  
**Lower**

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<thead>
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<td>BK 2550</td>
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<tr>
<td>COUNTY:</td>
<td>BUCKS</td>
</tr>
<tr>
<td>AAPG:</td>
<td>231SCKNM</td>
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<tr>
<td>TOPOGRAPHY:</td>
<td>VALLEY FLAT</td>
</tr>
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<td>WELDEPTH:</td>
<td>45</td>
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<tr>
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<td>352</td>
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<td>DATERELIABILITY:</td>
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<tr>
<td>SOURCE DEPTH DATA:</td>
<td>USGS OR PAGS</td>
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<tr>
<td>MUNICIPALITY:</td>
<td>WARMINSTER TWP.</td>
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<td>LATITUDE:</td>
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**Agency Use Section:**  
Agency Use of Site: ANODE  
Agency Use Date: 05/31/1995 00:00:00

**Construction Information:**  
Construction Date: 12/01/1993 00:00:00  
Driller: 0330  
Source Cons Data: DRILLER’S RECORD  
Method Cons: AIR ROTARY  
Finish: SCREEN

**Casing Information:**  
Top Of Casing: 0  
Bottom Of Casing: 9  
Casing: STEEL  
Casing Wall Thickness: Not Reported  
Casing Diameter: 8

Top Of Casing: 0  
Bottom Of Casing: 45  
Casing: PVC OR OTHER PLASTIC  
Casing Wall Thickness: Not Reported  
Casing Diameter: 4

---

TC1761930.2s  Page A-35
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 9 Hole Diameter: 12
Top Of Hole: 0
Bottom Of Hole: 45 Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 30
Bottom Open Interval: 45 Diameter Open Interval: 4
Open Interval Material: PLASTIC Opening: SCREEN

Geohydrologic Information:
AAPG: 231SCKNM Lithology: Not Reported Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER Date Ownership: 12/01/1993 00:00:00

Remarks Information:
Remark: LSD -2.3 Remark Date: 12/06/1993 00:00:00

Other ID Information:
Other Identifier: HN-07-S Other I D Assignor: OWNER PA

C23 SE 1/8 - 1/4 Mile Lower PA WELLS PA1000000056716
WELLID: 401144075030901 LOCALWELLN: BK 2548
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 160
ELEVATION: 352
ELEVMETHOD: Not Reported ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported QUAD: HATBORO
TYPEOFSITE: WELL DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) SOURCEDEPTHDATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.19556 LONGITUDE: -75.0525
DEPTH TO BED: 0
DATEDRILL: Not Reported
PAGWIS ID: 42453

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 05/31/1995 00:00:00

Construction Information:
Construction Date: 11/03/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 11
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: 160
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 4

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 11
Hole Diameter: 12

Top Of Hole: 11
Bottom Of Hole: 203
Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 145
Bottom Open Interval: 160
Diameter Open Interval: 4
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 11/03/1993 00:00:00

Remarks Information:
Remark: LSD -1.00
Remark Date: 11/03/1993 00:00:00
### C24
#### 1/8 - 1/4 Mile Lower

- **Agency cd:** USGS
- **Site name:** BK 2548
- **Latitude:** 401144
- **Longitude:** 0750309
- **Dec lon:** -75.05211472
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 352
- **Hydrologic:** CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Valley flat
- **Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER
- **Well depth:** 160
- **Source of depth data:** reporting agency (generally USGS)
- **Real time data flag:** 0
- **Daily flow data count:** 0
- **Peak flow data count:** 0
- **Water quality data count:** 0
- **Ground water data count:** 1
- **Ground-water levels, Number of Measurements:** 1
  - **Date:** 1993-11-04
  - **Feet below Surface:** 21.5
  - **Feet to Sealevel:**

### C25
#### 1/8 - 1/4 Mile Lower

- **Agency cd:** USGS
- **Site name:** BK 2549
- **Latitude:** 401144
- **Longitude:** 0750309
- **Dec lon:** -75.05211472
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO

---

*Note: The site had been pumped recently.*
### Ground-water Levels, Number of Measurements: 1

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<th>Feet Below Surface</th>
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<td>1993-12-06</td>
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</table>

Note: The site had been pumped recently.

---

**C26**

**SE**

1/8 - 1/4 Mile Lower

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<th>USGS</th>
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<tr>
<td>Dec latlong datum:</td>
<td>NAD83</td>
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<td>Location map:</td>
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<tr>
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<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer Type:</td>
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<tr>
<td>Aquifer:</td>
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</tr>
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<td>Well depth:</td>
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### F27 East 1/8 - 1/4 Mile Higher

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#### Ground-water levels, Number of Measurements: 1

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Note: Water level was affected by atmospheric pressure.

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### F28 East 1/8 - 1/4 Mile Higher

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Note: Water level was affected by atmospheric pressure.
Ground-water levels, Number of Measurements: 1

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*Note: Water level was affected by atmospheric pressure.*
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Ground-water levels, Number of Measurements: 0

### G31

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Ground-water levels, Number of Measurements: 0
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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Ground-water levels, Number of Measurements: 0

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### F33

**WSW**

1/8 - 1/4 Mile

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### F34

**ESE**

1/8 - 1/4 Mile

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**Agency Use Section:**
- Agency Use of Site: ANODE
- Agency Use Date: 05/31/1995 00:00:00

**Construction Information:**
- Construction Date: 11/02/1993 00:00:00
- Driller: 0330
- Source Cons Data: USGS OR PAGS
- Method Cons: AIR ROTARY
- Finish: SCREEN

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 13
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

- Top Of Casing: 0
- Bottom Of Casing: 158
- Casing: PVC OR OTHER PLASTIC
- Casing Wall Thickness: Not Reported
- Casing Diameter: 4

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 13
- Hole Diameter: 12
- Top Of Hole: 13
- Bottom Of Hole: 203
- Hole Diameter: 8

**Screen Opening Information:**
- Top Open Interval: 142
- Bottom Open Interval: 157
- Open Interval Material: PLASTIC
- Opening: SCREEN
- Diameter Open Interval: 4

**Geohydrologic Information:**
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: OBSERVATION
- Water Use: UNUSED
### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/02/1993 00:00:00

### Remarks Information:
- **Remark:** LSD 2.5
- **Remark Date:** 11/02/1993 00:00:00

### Casing Information:
- **Top Of Casing Diameter:** 0
  - **Bottom Of Casing Diameter:** 14
  - **Casing Material:** STEEL

- **Top Of Casing Diameter:** 0
  - **Bottom Of Casing Diameter:** 95
  - **Casing Material:** PVC OR OTHER PLASTIC

### Construction Information:
- **Construction Date:** 11/19/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY

### Remarks Information:
- **Remark:** LSD 2.5
- **Remark Date:** 11/02/1993 00:00:00

### Agency Use Section:
- **Agency Use of Site:** ANODE
- **Agency Use Date:** 05/31/1995 00:00:00

### Well Information:
- **Well ID:** 401147075030502
- **County:** BUCKS
- **AAPG:** 231SCKNM
- **Topography:** VALLEY FLAT
- **Well Depth:** 95
- **Elevation:** 355
- **Elevation Method:** Not Reported
- **Accuracy:** 5
- **Hydrologic:** 02040201
- **Accuracy of Lat/Long:** Not Reported
- **Field Checked by Reporting Agency:** PaDAg pest. survey
- **Source Depth Data:** INTERPRETED FROM LOGS
- **Municipality:** WARMINSTER TWP.
- **Latitude:** 40.19639
- **Longitude:** -75.05139
- **Depth to Bed:** 0
- **Date Drilled:** Not Reported
- **PAWIS ID:** 42462
- **Agency Use Date:** Not Reported
- **Agency Use of Site:** ANODE
- **Agency Use Date:** 05/31/1995 00:00:00
- **Construction Date:** 11/19/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finishing:** SCREEN
- **Well Type:** WELL
- **Date of Site:** 05/31/1995 00:00:00
- **Date Updated:** Not Reported
- **Date Created:** Not Reported
- **Owner:** NAVAL AIR WARFARE CENTER
- **Remark Date:** 11/02/1993 00:00:00
- **Remark:** LSD 2.5
- **Remarks Date:** Not Reported
- **Remarks:** Not Reported
Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 14
  - Hole Diameter: 12
- Top Of Hole: 14
- Bottom Of Hole: 103
  - Hole Diameter: 8

Screen Opening Information:
- Top Open Interval: 85
  - Diameter Open Interval: 4
- Bottom Open Interval: 95
  - Open Interval Material: PLASTIC
  - Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/19/1993 00:00:00

Remarks Information:
- Remark: LSD 2.6
- Remark Date: 11/19/1993 00:00:00

---

**F36**
**ESE**
**1/8 - 1/4 Mile**
**Higher**

- WELLID: 401147075030503
- LOCALWELLN: BK 2556
- COUNTY: BUCKS
- AAPG: 231SCKNM
- TOPOGRAPHY: VALLEY FLAT
- WELDEPTH: 50
- ELEVATION: 355
- ELEVMETHOD: Not Reported
- ACCURACYOF: 5
- HYDROLOGIC: 02040201
- LATLONGACCURACY: Not Reported
- QUAD: HATBORO
- TYPEOFSITE: WELL
- DATECREATE: Not Reported
- DATEUPDATE: Not Reported
- SOURCE DEPTH DATA: USGS OR PAGS
- MUNICIPALITY: WARMINSTER TWP.
- LATITUDE: 40.19639
- LONGITUDE: -75.05139
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42463

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 05/31/1995 00:00:00

Construction Information:
Construction Date: 11/22/1993 00:00:00
Driller: 0330
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 8.5 Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 50 Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 12
Bottom Of Hole: 8.5

Top Of Hole: 12 Hole Diameter: 8
Bottom Of Hole: 53

Screen Opening Information:
Top Open Interval: 30 Diameter Open Interval: 4
Bottom Open Interval: 50
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 11/22/1993 00:00:00

Remarks Information:
Remark: LSD - 3.2
Remark Date: 12/06/1993 00:00:00
Note: The site had been pumped recently.
Ground-water levels, Number of Measurements: 1

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<th>Date</th>
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<th>Feet to Sealevel</th>
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<tr>
<td>1993-11-19</td>
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Note: The site had been pumped recently.

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### F39 ESE 1/8 - 1/4 Mile Higher

**Note:** The site had been pumped recently.

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<tr>
<th>Agency cd:</th>
<th>USGS</th>
<th>Site no:</th>
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<tbody>
<tr>
<td>Site name:</td>
<td>BK 2556</td>
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<td>Latitude:</td>
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<td>Coor accru:</td>
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<td>Coor meth:</td>
<td>M</td>
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<tr>
<td>Dec lat/long datum:</td>
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<td>District:</td>
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<td>State:</td>
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<td>Location map:</td>
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<td>Type of ground water site:</td>
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<td>Aquifer Type:</td>
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<td>Aquifer:</td>
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<td>Hole depth:</td>
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Ground-water levels, Number of Measurements: 1

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<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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</thead>
<tbody>
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Note: The site had been pumped recently.
Agency cd: USGS  Site no: 401141075031103
Site name: BK 2547
Latitude: 401141
Longitude: 0750311  Dec lat: 40.19483102
Dec ion: -75.0526703  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 340  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 19931124
Date inventoried: 19950531  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 50  Hole depth: 53
Source of depth data: reporting agency (generally USGS)  Project number: 444219704
Real time data flag: 0
Daily flow data begin date: 0000-00-00  Daily flow data count: 0
Peak flow data begin date: 0000-00-00  Peak flow data end date: 0000-00-00
Peak flow data count: 0  Water quality data begin date: 0000-00-00
Peak flow data count: 0  Water quality data count: 0
Ground water data begin date: 1996-10-07  Ground water data end date: 1996-10-07
Ground water data count: 1

Ground-water levels, Number of Measurements: 1
Feet below Surface  Feet to Sealevel

--------------------------------------------
1996-10-07 15.28

H42
SSE 1/8 - 1/4 Mile
Lower

Agency cd: USGS  Site no: 401141075031103
Site name: BK 2546
Latitude: 401141
Longitude: 0750311  Dec lat: 40.19483102
Dec ion: -75.0526703  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 340  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 19931124
Date inventoried: 19950531  Mean greenwich time offset: EST

TC1761930.2s  Page A-52
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TC1761930.2s  Page A-53
### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 13
- **Casing:** STEEL
- **Top Of Casing:** 0
- **Bottom Of Casing:** 153
- **Casing:** PVC OR OTHER PLASTIC

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 13
- **Hole Diameter:** 12
- **Top Of Hole:** 13
- **Bottom Of Hole:** 153
- **Hole Diameter:** 8

### Screen Opening Information:
- **Top Open Interval:** 135
- **Bottom Open Interval:** 153
- **Diameter Open Interval:** 4
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information:
- **AAPG:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/04/1993 00:00:00

### Remarks Information:
- **Remark:** LSD 2.5
- **Remark Date:** 11/04/1993 00:00:00
LATLONACCRUARY: Not Reported
QUAD: HATBoro
TYPESITE: WELL
DACTEREATE: Not Reported DATEUPDATE: Not Reported
DATEREABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19472
LONGITUDE: -75.05306
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42450

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 05/31/1995 00:00:00

Construction Information:
Construction Date: 11/24/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 12.5 Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 50 Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 12
Bottom Of Hole: 12.5
Top Of Hole: 12
Bottom Of Hole: 53 Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 30 Diameter Open Interval: 4
Bottom Open Interval: 50 Opening: SCREEN
Open Interval Material: PLASTIC

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED
### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/24/1993 00:00:00

### Remarks Information:
- **Remark:** LSD 2.7
- **Remark Date:** 12/06/1993 00:00:00

### Other ID Information:
- **Other Identifier:** HN-06-S
- **Other I D Assignor:** NAWC

### H45  SSE  1/8 - 1/4 Mile
- **WELLID:** 401141075031102
- **LOCALWELLN:** BK 2546
- **COUNTY:** BUCKS
- **AAPG:** 231SCKNM
- **TOPOGRAPHY:** VALLEY FLAT
- **WELDEPTH:** 100
- **ELEVATION:** 340
- **ELEVMETHOD:** Not Reported
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040201
- **LATLONGACCURACY:** Not Reported
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** USGS OR PAGS
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDEDD:** 40.19472
- **LONGITUDE:** -75.05306
- **DEPTHTOBED:** 0
- **DATEROAL:** Not Reported
- **PAGWIS ID:** 42449

### Agency Use Section:
- **Agency Use of Site:** ANODE
- **Agency Use Date:** 05/31/1995 00:00:00

### Construction Information:
- **Construction Date:** 11/24/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

### Casing Information:
- **Top Of Casing:** 0
- **Casing Wall Thickness:** Not Reported
- **Bottom Of Casing:** 13
- **Casing Diameter:** 8
- **Casing:** STEEL
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 100  Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0  Hole Diameter: 12
Bottom Of Hole: 13
Top Of Hole: 12
Bottom Of Hole: 103

Screen Opening Information:
Top Open Interval: 80  Diameter Open Interval: 4
Bottom Open Interval: 100
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 11/24/1993 00:00:00

Remarks Information:
Remark: LSD 3.0
Remark Date: 12/06/1993 00:00:00

I46
NE
1/8 - 1/4 Mile
Higher

Agency cd: USGS  Site no: 401157075032001
Site name: BK 1020 Bucks County Observation Well
Latitude: 401155
Longitude: 0750307  Dec lat: 40.19871985
Dec Ion: -75.05155911  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 370  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Hilltop
Site type: Ground-water other than Spring  Date construction: 19680412
Date inventoried: 19870401  Mean greenwhich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 395
Source of depth data: driller
Real time data flag: 1
Daily flow data end date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 1991-04-18
Ground water data begin date: 1968-04-13
Ground water data count: 64

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Owner: U. S. NADC
Date Ownership: 01/01/1941 00:00:00

Other ID Information:
Other Identifier: 11 Other I D Assignor: OWNER PA

J48
WSW 1/8 - 1/4 Mile Lower
Agency cd: USGS Site no: 401144075032701
Site name: BK 2920 Dec lat: 40.19566433
Latitude: 401144 Dec lon: -75.05711486
Longitude: 0750327 Coor meth: M
Dec latlong datum: NAD83 Latlong datum: NAD27
State: 42 District: 42
County: 017 Land net: Not Reported
Country: US Altitude: 335 Altitude: 24000
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring Date construction: Not Reported
Date inventoried: 19970604 Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 97 Hole depth: Not Reported
Source of depth data: logs Project number: 444223500
Real time data flag: Not Reported Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported Daily flow data count: Not Reported
Peak flow data begin date: Not Reported Peak flow data end date: Not Reported
Peak flow data count: Not Reported Water quality data begin date: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported Ground water data end date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

G69
ESE 1/8 - 1/4 Mile Higher

TC1761930.2s  Page A-60
Agency cd: USGS
Site name: BK 2768
Latitude: 401144
Longitude: 0750305
Dec lon: -75.05100357
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 355
Topographic: Valley flat
Site type: Ground-water other than Spring
date construction: Not Reported
Date inventoried: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 40
Hole depth: 111
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1995-04-25
Ground water data end date: 1995-04-25
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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J50
WSW
1/8 - 1/4 Mile
Lower

Agency cd: USGS
Site name: BK 2537
Latitude: 401145
Longitude: 0750328
Dec lon: -75.05739264
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 330
Topographic: Valley flat
Site type: Ground-water other than Spring
date construction: 19931124
Date inventoried: 19950118
Mean greenwich time offset: EST
Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.
### J52

**Agency cd:** USGS  
**Site name:** BK 2538  
**Latitude:** 401145  
**Longitude:** 0750328  
**Dec lon:** -75.05739264  
**Coor accr:** S  
**Dec latlon datum:** NAD83  
**Altitude:** 333.20  
**Altitude accuracy:** .1  
**Hydrologic:** CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.  
**Topographic:** Hillside (slope)  
**Site type:** Ground-water other than Spring  
**Date inventoried:** 19950118  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER  
**Well depth:** 32  
**Source of depth data:** other reported  
**Real time data flag:** 0  
**Daily flow data end date:** 0000-00-00  
**Peak flow data begin date:** 0000-00-00  
**Peak flow data end date:** 0000-00-00  
**Ground water data end date:** 1994-00-00  
**Ground water data count:** 1  

#### Ground-water levels

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### J53

**WELLID:** 401145075032801  
**LOCALWELLN:** BK 2536  
**COUNTY:** BUCKS  
**AAPG:** 231SCKNM  
**TOPOGRAPHY:** VALLEY FLAT  
**WELDDEPTH:** 135  
**ELEVATION:** 330  
**ELEVMETHOD:** Not Reported  
**ACCURACYOF:** 5  
**HYDROLOGIC:** 02040201  

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**Map ID**  
**Direction**  
**Distance**  
**Elevation**  
**Database**  
**EDR ID Number**  
FED USGS  
USGS2165174  
PA WELLS  
PA1000000056782  

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**TC1761930.2s Page A-63**
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATACREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEDD: 40.19583
LONGITUDEED: -75.05778
DEPHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42455

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 01/18/1995 00:00:00

Construction Information:
Construction Date: 11/23/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: Not Reported
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 7 Casing Diameter: 8
Casing: STEEL
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 135 Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 12
Bottom Of Hole: 7
Top Of Hole: 7
Bottom Of Hole: 163

Screen Opening Information:
Top Open Interval: 120
Bottom Open Interval: 135 Diameter Open Interval: 4
Open Interval Material: PLASTIC Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED
Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 11/23/1993 00:00:00

Remarks Information:
Remark: LSD -3.0
Remark Date: 12/03/1993 00:00:00

J54
WSW
1/8 - 1/4 Mile
Lower

WELLID: 401145075032803
LOCALWELLN: BK 2538
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: HILLSIDE
WELDEPTH: 32
ELEVATION: 333.2001
ELEVATION Method: Not Reported
ACCURACY Method: .1
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: REPORTED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEDD: 40.19583
LONGITUDEDD: -75.05778
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42457

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 01/18/1995 00:00:00

Construction Information:
Construction Date: 11/06/1990 00:00:00
Driller: 0188
Source Cons Data: REPORTED
Method Cons: AIR ROTARY
Finish: Not Reported

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 17.5
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 32
Hole Diameter: 6
### Geohydrologic Information:
- **AAPG:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
  **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** U.S. NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/06/1990 00:00:00

### Other ID Information:
- **Other Identifier:** DG-20
  **Other I D Assignor:** OWNER PA

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### Agency Use Section:
- **Agency Use of Site:** ANODE
- **Agency Use Date:** 01/18/1995 00:00:00

### Construction Information:
- **Construction Date:** 11/24/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 7.5
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 7.5
- Hole Diameter: 12
- Top Of Hole: 7.5
- Bottom Of Hole: 103
- Hole Diameter: 8

Screen Opening Information:
- Top Open Interval: 80
- Bottom Open Interval: 95
- Diameter Open Interval: 4
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/24/1993 00:00:00

Remarks Information:
- Remark: LSD 3.2
- Remark Date: 11/24/1993 00:00:00

J56 WSW 1/8 - 1/4 Mile Lower
Agency cd: USGS
Site name: BK 2619
Latitude: 401147
Longitude: 0750329
Dec lon: -75.05767042
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 343
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19940523
Mean greenwich time offset: EST
**TC1761930.2s   Page A-68**

<table>
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**Ground-water levels, Number of Measurements: 0**

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**Ground-water levels, Number of Measurements: 1**

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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Ground-water levels, Number of Measurements: 1

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K59
West
1/8 - 1/4 Mile
Lower

WELLID: 401149075033101 LOCALWELLN: BK 2533
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 135
ELEVATION: 344
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEREADY: Not Reported
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.19694
LONGITUDE: -75.05861
DEPTH TO BED: 0
DATE DRILL: Not Reported
PAGWIS ID: 42464

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: Not Reported

Construction Information:
Construction Date: 11/10/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

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<tbody>
<tr>
<td>0</td>
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Hole Information:
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Water Use Information:
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TC1761930.2s   Page A-70
**Owner Information:**

Owner: NAVAL AIR WARFARE CENTER  
Date Ownership: 11/10/1993 00:00:00

**Remarks Information:**

Remark: LSD 2.2  
Remark Date: 11/10/1993 00:00:00

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**Casing Information:**

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### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 13
- **Hole Diameter:** 12
- **Top Of Hole:** 13
- **Bottom Of Hole:** 103
- **Hole Diameter:** 8

### Screen Opening Information:
- **Top Open Interval:** 87
- **Bottom Open Interval:** 97
- **Diameter Open Interval:** 4
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information:
- **A A P G:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/23/1993 00:00:00

### Remarks Information:
- **Remark:** LSD 1.8
- **Remark Date:** 11/23/1993 00:00:00

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### K61 West 1/8 - 1/4 Mile Lower

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TC1761930.2s  Page A-72
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42466

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 01/18/1995 00:00:00

Construction Information:
Construction Date: 11/06/1990 00:00:00
Driller: 0188
Source Cons Data: REPORTED
Method Cons: AIR ROTARY
Finish: OPEN END

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 15
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: Not Reported

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 33
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: U S NAVAL AIR WARFARE CENTER
Date Ownership: 11/06/1990 00:00:00

Other ID Information:
Other Identifier: DG-21
Other I D Assignor: OWNER PA

K62
West
1/8 - 1/4 Mile
Lower
Agency cd: USGS
Site name: BK 2534
Latitude: 401149
Longitude: 0750331
Dec lon: -75.05822599
Dec lat: 40.19705319
Coor accr: S
Latlong datum: NAD27
District: 42
State: 42
County: 017
Country: US
Land net: Not Reported
Location map: HATBORO
Map scale: 24000

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Note: The site had been pumped recently.

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K64  
West  
1/8 - 1/4 Mile  
Lower

Agency cd: USGS  
Site no: 401149075033103  
Site name: BK 2535  
Latitude: 401149  
Longitude: 0750331  
Dec lon: -75.05822599  
Coor accr: S  
Dec latlong datum: NAD83  
State: 42  
Country: US  
Location map: HATBORO  
Map scale: 24000  
Altitude: 338.89  
Altitude accuracy: .1  
Altitude datum: NGVD29  
Topographic: Hillside (slope)  
Site type: Ground-water other than Spring  
Date inventoried: 19950118  
Date construction: 19901106  
Mean greenwich time offset: EST  
Local standard time flag: Y  
Type of ground water site: Single well, other than collector or Ranney type  
Aquifer Type: Not Reported  
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER  
Well depth: 33  
Hole depth: 33  
Source of depth data: other reported  
Project number: 444219704  
Real time data flag: 0  
Daily flow data end date: 0000-00-00  
Daily flow data count: 0  
Peak flow data end date: 0000-00-00  
Peak flow data count: 0  
Ground water data begin date: 1994-00-00  
Ground water data end date: 1994-00-00  
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<td>Topographic:</td>
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Ground water data count: Not Reported

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Ground water data count: Not Reported
Ground-water levels, Number of Measurements: 0

**WELLID:** 401141075030501  **LOCALWELLLN:** BK 1022

**COUNTY:** BUCKS  **AAPG:** 231SCKN

**TOPOGRAPHY:** HILLSIDE  **ELEVATION:** 350

**DEPTHTOBED:** -75.05139  **DEPTHTOSED:** 0

**DATECREATE:** Not Reported  **DATEUPDATE:** Not Reported

**DATERELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  **SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED

**MUNICIPALITY:** WARMINSTER TWP.  **LATITUDEDD:** 40.19472

**LONGLITUDEDD:** -75.05139  **MUNICIPALITY:** OTHER/UNKNOWN/UNSPECIFIED

**DATEDRILLE:** Not Reported  **PAGWIS ID:** 5011

**Agency Use Section:**
**Agency Use of Site:** OBSERVATION  **Agency Use Date:** Not Reported

**Casing Information:**
**Top Of Casing:** 0  **Casing Wall Thickness:** Not Reported

**Bottom Of Casing:** 15  **Casing Diameter:** Not Reported

**Casing:** PVC OR OTHER PLASTIC

**Hole Information:**
**Top Of Hole:** 0  **Hole Diameter:** 6

**Bottom Of Hole:** 33

**Geohydrologic Information:**
**AAPG:** 231SCKN  **Lithology:** SANDSTONE AND SHALE

**Contributing Unit:** PRIMARY  **Top Of Interval:** Not Reported

**Bottom Of Interval:** Not Reported

**Water Use Information:**
**Site Use:** WITHDRAWAL  **Water Use:** DOMESTIC
Owner Information:
Owner: JOHNSON
Date Ownership: 01/01/1955 00:00:00

M68
SSE
1/8 - 1/4 Mile
Lower

Agency cd: USGS
Site name: BK 1023
Latitude: 401137
Longitude: 0750313
Dec ion: -75.05322588
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 350
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 600
Hole depth: Not Reported
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1978-09-06
Ground water data count: 1

Ground-water levels, Number of Measurements: 1
Feet below Surface  Feet to Sealevel

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TC1761930.2s  Page A-78
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIALIBILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.19361
LONGITUDE: -75.05361
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5005

Agency Use Section:
Agency Use of Site: 1
Agency Use Date: Not Reported

Construction Information:
Construction Date: 04/14/1972 00:00:00
Driller: 0226
Source Cons Data: DRILLER’S RECORD
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 60
Casing: UNKNOWN
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: 40
Casing: UNKNOWN
Casing Wall Thickness: Not Reported
Casing Diameter: 12

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SANDSTONE AND SHALE
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: UNUSED
Water Use: UNUSED

Owner Information:
Owner: WARMINSTER AUTH
Date Ownership: 01/01/1978 00:00:00

Other ID Information:
Other Identifier: 28
Other I D Assignor: OWNER PA

TC1761930.2s Page A-79
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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Ground-water levels, Number of Measurements: 0

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**L71**  
**ESE**  
1/4 - 1/2 Mile  
Higher  

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TC1761930.2s  Page A-80
Ground-water levels, Number of Measurements: 1

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### FEDE USGS USGS2165306

74

WSW

1/4 - 1/2 Mile

Lower

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Ground-water levels, Number of Measurements: 0

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**O75 WNW 1/4 - 1/2 Mile Higher**

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**Agency Use Section:**

| Agency Use of Site:          | ANODE          |
| Agency Use Date:             | Not Reported   |

**Construction Information:**

| Construction Date:            | 11/09/1993 00:00:00 |
| Driller:                      | 0330            |
| Source Cons Data:             | USGS OR PAGS    |
| Method Cons:                  | AIR ROTARY      |
| Finish:                       | SCREEN          |
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 11.5
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 11.5
- Hole Diameter: 12
- Top Of Hole: 11.5
- Bottom Of Hole: 153
- Hole Diameter: 8

Screen Opening Information:
- Top Open Interval: 112
- Bottom Open Interval: 127
- Diameter Open Interval: 4
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/09/1993 00:00:00

Remarks Information:
- Remark: LSD 1.8
- Remark Date: 11/09/1993 00:00:00
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPESITES: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTHTOEDD: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19917
LONGITUDE: -75.05944
DEPTHTOEDD: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42480

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: Not Reported

Construction Information:
Construction Date: 11/11/1993 00:00:00
Driller: 0330
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 12 Casing Diameter: 8
Casing: STEEL
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 90 Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 12
Bottom Of Hole: 12
Top Of Hole: 12
Bottom Of Hole: 103 Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 70 Diameter Open Interval: 4
Bottom Open Interval: 90 Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED
### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/11/1993 00:00:00

### Remarks Information:
- **Remark:** LSD -2.1
- **Remark Date:** 11/12/1993 00:00:00

### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 12
- **Casing:** STEEL
- **Top Of Casing:** 0
- **Bottom Of Casing:** 90
- **Casing:** PVC OR OTHER PLASTIC
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 8
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 4

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 12
- **Hole Diameter:** 12
- **Top Of Hole:** 12
- **Bottom Of Hole:** 103
- **Hole Diameter:** 8
Screen Opening Information:
- Top Open Interval: 70
- Bottom Open Interval: 90 (Diameter Open Interval: 4)
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported (Bottom Of Interval: Not Reported)

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: Not Reported

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Ground-water levels, Number of Measurements: 1

Feet below
Feet to
Date Surface Sealevel

1993-11-12  20.0

Note: The site had been pumped recently.

O79
WNW
1/4 - 1/2 Mile

Higher

Agency cd: USGS  Site no: 401157075033403
Site name: BK 2532
Latitude: 401157
Longitude: 0750334
Dec lon: -75.05905931
Coor accru: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 365
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19950118
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: Not Reported
Source of depth data: Not Reported
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Water quality data begin date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

O80
WNW
1/4 - 1/2 Mile

Higher

Agency cd: USGS  Site no: 401157075033401
Site name: BK 2530
Latitude: 401157
Longitude: 0750334
Dec lon: -75.05905931
Coor accru: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO

Note: The site had been pumped recently.

1993-11-12  20.0

Ground-water levels, Number of Measurements: 0
### Field Data:

- **Altitude:** 365
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshamin, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Valley flat
- **Site type:** Ground-water other than Spring
- **Date inventoried:** Not Reported
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER
- **Well depth:** 127
- **Source of depth data:** reporting agency (generally USGS)
- **Real time data flag:** 444209300
- **Daily flow data count:** Not Reported
- **Peak flow data count:** Not Reported
- **Water quality data count:** Not Reported
- **Ground water data count:** 1
- **Mean greenwich time offset:** EST
- **Date construction:** Ground-water other than Spring
- **Topographic:** Valley flat
- **Hydrologic:** CrosswicksNeshamin, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Altitude datum:** NGVD29
- **Altitude method:** 355
- **Altitude:** 24000
- **Map scale:** HATBORO
- **Location map:** Not Reported
- **Land net:** US
- **Country:** 017
- **State:** 42
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- **Map scale:** 24000
- **Altitude method:** M
- **Altitude datum:** NGVD29
- **Hydrologic:** Lower Delaware. New Jersey, Pennsylvania. Area = 1050 sq.mi.
- **Topographic:** Hilltop
- **Site type:** Ground-water other than Spring
- **Date construction:** 19931109
- **Mean greenwich time offset:** EST
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer:** STOCKTON FORMATION
- **Well depth:** 104
- **Source of depth data:** Not Reported
- **Real time data flag:** Not Reported
- **Daily flow data end date:** Not Reported
- **Peak flow data begin date:** Not Reported

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**Number of Measurements:** 1

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*Note: The site had been pumped recently.*

---

**Location Map: N81 ESE 1/4 - 1/2 Mile Higher**

- **Agency cd:** USGS
- **Site name:** BK 1021
- **Latitude:** 401145
- **Longitude:** 0750255
- **Dec lon:** -75.04822571
- **Dec lat:** 40.19594213
- **Dec latlong datum:** NAD83
- **Coor accr:** S
- **Coor meth:** M
- **State:** 42
- **Country:** US
- **Land net:** Not Reported
- **Location map:** HATBORO
- **Map scale:** 24000
- **Altitude:** 355
- **Altitude method:** M
- **Altitude datum:** NGVD29
- **Hydrologic:** Lower Delaware. New Jersey, Pennsylvania. Area = 1050 sq.mi.
- **Topographic:** Hilltop
- **Site type:** Ground-water other than Spring
- **Date construction:** 19930916
- **Mean greenwich time offset:** EST
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer:** STOCKTON FORMATION
- **Well depth:** 104
- **Hole depth:** Not Reported
- **Project number:** 444209300
- **Daily flow data begin date:** Not Reported
- **Peak flow data end date:** Not Reported
- **Peak flow data begin date:** Not Reported
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<td>PRIMARY</td>
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<td>Bottom Of Interval</td>
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### Water Use Information:
- **Site Use:** WITHDRAWAL
- **Water Use:** DOMESTIC

### Owner Information:
- **Owner:** WOLF, ROBERT
- **Date Ownership:** 01/01/1959 00:00:00

---

**83 West**

### 1/4 - 1/2 Mile Lower

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**P84 SW**

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**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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P85 SW 1/4 - 1/2 Mile Lower

- Agency cd: USGS
- Site name: BK 1027
- Latitude: 401134
- Longitude: 0750330
- Dec lat: 40.1928866
- Dec decIon: -75.05794825
- Coor acc: S
- Latlong datum: NAD27
- Dec latlong datum: NAD83
- District: 42
- State: 017
- Country: US
- Land net: Not Reported
- Location map: HATBNO
- Map scale: 24000
- Altitude: 320
- Altitude method: M
- Altitude accuracy: 5
- Altitude datum: NGVD29
- Topographic: Hillside (slope)
- Site type: Ground-water other than Spring
- Date construction: Not Reported
- Date inventoried: Not Reported
- Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 70.0
Source of depth data: Not Reported
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

86
SE
1/4 - 1/2 Mile
Lower
Agency cd: USGS
Site name: BK 2769
Latitude: 401138
Longitude: 0750256
Dec ion: -75.04850352
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: Not Reported
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 56.8
Source of depth data: reporting agency (generally USGS)
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0
DEPTH TO BED: 0
DATE DINED: Not Reported
PAGWIS ID: 5027

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 1
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: DUG
Finish: UNKNOWN

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: UNUSED
Water Use: UNUSED

Production Information:
Discharge Type: Not Reported
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: Not Reported
W L Data Source: S
W L Meas Method: STEEL TAPE
Prod W L: Not Reported
Spec Cap: Not Reported
Site Status W L Meas: STATIC WATER LEVEL
Date Discharged: 07/26/1978 00:00:00

Owner Information:
Owner: HOY, H
Date Ownership: 01/01/1978 00:00:00

---

P89
SW
1/4 - 1/2 Mile
Lower

Agency cd: USGS
Site name: BK 1028
Latitude: 401133
Longitude: 0750331
Dec Ion: -75.05822604
Dec acc.: S
Dec lat long datum: NAD83
State: 42
Country: US
Location map: HATBORO

Site no: 401204075033101
Dec lat: 40.19260882
Coor meth: M
Latlong datum: NAD27
District: 42
County: 017
Land net: Not Reported
Map scale: 240000
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Note: The site had been pumped recently.

---

**R91**  
WSW  
1/4 - 1/2 Mile Lower

**Agency cd:** USGS  
**Site name:** BK 2557  
**Latitude:** 401143  
**Longitude:** 0750341  
**Dec Ion:** -75.06100386  
**Coor accr:** S  
**Dec latlong datum:** NAD83  
**State:** 42  
**Country:** US  
**Location map:** HATBORO  
**Altitude:** 330  
**Altitude accuracy:** 5  
**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.  
**Topographic:** Valley flat  
**Site type:** Ground-water other than Spring  
**Date inventoried:** 19950531  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** STOCKTON FORMATION,MIDDLE MEMBER  
**Well depth:** 252  
**Source of depth data:** reporting agency (generally USGS)  
**Real time data flag:** 0  
**Daily flow data end date:** 0000-00-00  
**Peak flow data begin date:** 0000-00-00  
**Peak flow data count:** 0  
**Water quality data end date:** 0000-00-00  
**Ground water data begin date:** 1993-11-15  
**Ground water data count:** 1  

### Ground-water levels

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Note: The site had been pumped recently.

---

**R92**  
WSW  
1/4 - 1/2 Mile Lower

**Agency cd:** USGS  
**Site no:** 401143075034101  
**Latitude:** 40.19538654  
**Longitude:** 0750341  
**Dec Ion:** -75.06100386  
**Coor accr:** S  
**Dec latlong datum:** NAD27  
**State:** 42  
**Country:** US  
**Location map:** HATBORO  
**Altitude:** 330  
**Altitude accuracy:** 5  
**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.  
**Topographic:** Valley flat  
**Site type:** Ground-water other than Spring  
**Date inventoried:** 19950531  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** STOCKTON FORMATION,MIDDLE MEMBER  
**Well depth:** 253  
**Source of depth data:** 444219704  
**Real time data flag:** 0  
**Daily flow data end date:** 0000-00-00  
**Peak flow data begin date:** 0000-00-00  
**Peak flow data count:** 0  
**Water quality data end date:** 0000-00-00  
**Ground water data begin date:** 1993-11-15  
**Ground water data count:** 1  

### Ground-water levels

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<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
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<td>1993-11-15</td>
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Note: The site had been pumped recently.
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<tr>
<td>Dec lon</td>
<td>-75.06100386</td>
</tr>
<tr>
<td>Coor accr</td>
<td>S</td>
</tr>
<tr>
<td>Dec lat long datum</td>
<td>NAD83</td>
</tr>
<tr>
<td>State</td>
<td>42</td>
</tr>
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<td>Location map</td>
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<tr>
<td>Attitude</td>
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<td>Local standard time flag</td>
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<tr>
<td>Type of ground water site</td>
<td>Single well, other than collector or Ranney type</td>
</tr>
<tr>
<td>Aquifer</td>
<td>STOCKTON FORMATION,MIDDLE MEMBER</td>
</tr>
<tr>
<td>Well depth</td>
<td>36</td>
</tr>
<tr>
<td>Source of depth data</td>
<td>reporting agency (generally USGS)</td>
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<tr>
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Ground-water levels, Number of Measurements: 1

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<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<tbody>
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Note: The site had been pumped recently.
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42452

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 05/31/1995 00:00:00

Construction Information:
Construction Date: 12/14/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 11  Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 38  Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0  Hole Diameter: 12
Bottom Of Hole: 11
Top Of Hole: 11  Hole Diameter: 8
Bottom Of Hole: 53

Screen Opening Information:
Top Open Interval: 28
Bottom Open Interval: 38  Diameter Open Interval: 4
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 12/14/1993 00:00:00

Remarks Information:
Remark: LSD 2.6
Remark Date: 12/15/1993 00:00:00
WELLID: 401143075034101  LOCALWELLN: BK 2557
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 252
ELEVATION: 330
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEDD: 40.19528
LONGITUDEED: -75.06139
DEPTHTOBed: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42451

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 05/31/1995 00:00:00

Construction Information:
Construction Date: 11/15/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 11  Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 240  Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0  Hole Diameter: 12
Bottom Of Hole: 11
Top Of Hole: 11  Hole Diameter: 8
Bottom Of Hole: 253
**Screen Opening Information:**
- Top Open Interval: 225
- Bottom Open Interval: 240
- Diameter Open Interval: 4
- Open Interval Material: PLASTIC
- Opening: SCREEN

**Geohydrologic Information:**
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: OBSERVATION
- Water Use: UNUSED

**Owner Information:**
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/15/1993 00:00:00

**Remarks Information:**
- Remark: LSD - 2.5
- Remark Date: 11/15/1993 00:00:00

---

**Q95 ESE 1/4 - 1/2 Mile**

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<tbody>
<tr>
<td>Q95</td>
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<td>PA WELLS</td>
</tr>
</tbody>
</table>

**Lower**

| WELLID:   | 401141075025201 |
| COUNTY:   | BUCKS        |
| AAPG:     | 231SCKNM     |
| TOPOGRAPHY: | HILLSIDE   |
| WELDEPTH: | 110          |
| ELEVATION: | 290         |
| ELEVMETHOD: | INTERPOLATED FROM TOPOGRAPHIC MAP |
| ACCURACYOF: | 10          |
| HYDROLOGIC: | 02040201    |
| LATLONGACCURACY: | ACCURATE TO +1 SECOND |
| QUAD:      | HATBORO     |
| TYPEOFSITE: | WELL        |
| DATECREATE: | Not Reported |
| DATEUPDATE: | Not Reported |
| DATERELIABILITY: | FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) |
| SOURCE DEPTH DATA: | OTHER/UNKNOWN/UNSPECIFIED |
| MUNICIPALITY: | WARMINSTER TWP. |
| LATITUDEDD: | 40.19472    |
| LONGITUDED: | -75.04778   |
| DEPTHTOBED: | 0           |
| DATEDRILLE: | Not Reported |
| PAGWIS ID: | 5010        |

**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported
## Construction Information:
- **Construction Date:** 01/01/1941 00:00:00
- **Driller:** 1
- **Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED
- **Method Cons:** CABLE TOOL
- **Finish:** OPEN HOLE

## Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** Not Reported
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

## Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 110
- **Hole Diameter:** 6

## Geohydrologic Information:
- **A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

## Water Use Information:
- **Site Use:** WITHDRAWAL
- **Water Use:** COMMERCIAL

## Owner Information:
- **Owner:** SUNNYSIDE FARMS
- **Date Ownership:** 02/04/1953 00:00:00

---

### Q96

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<td>Longitude</td>
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<td>Ground-water levels, Number of Measurements:</td>
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</table>
TC1761930.2s   Page A-104

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 360 M
Altitude accuracy: 5 NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 32.2 Hole depth: 61.7
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data count: 0
Peak flow data count: 0
Water quality data count: 0
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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Q99 ESE 1/4 - 1/2 Mile Lower

Agency cd: USGS Site no: 401139075025101
Site name: BK 2788
Latitude: 401139
Longitude: 0750251
Dec lon: -75.04711459
Coor accr: S
Dec latlong datum: NAD83
Distric: 42
State: 42
County: 017
Country: US
Land net: Not Reported
Location map: HATBORO
Map scale: 24000
Altitude: 350 M
Topographic: Valley flat
Site type: Ground-water other than Spring
Date construction: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 29.6 Hole depth: 67.5
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data count: 0
Peak flow data count: 0
Water quality data count: 0
Ground water data count: 1

TC1761930.2s   Page A-104
T100
North
1/4 - 1/2 Mile
Higher

WELLID: 401212075032001  LOCALWELLN:  BK 1019
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 385
ELEVATION: 360
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20333
LONGITUDEDD: -75.05556
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5040

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 01/01/1967 00:00:00
Driller: 0413
Source Cons Data: DRILLER’S RECORD
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 62  Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 62  Casing Diameter: 12
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 62  Hole Diameter: 8
Top Of Hole: 62
Bottom Of Hole: 385
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: PUMPED
Data Source: D
Discharge Meas Method: Not Reported
Discharge: 131
SWL: 17
W L Data Source: D
W L Meas Method: Not Reported
Prod W L: 134
Drawdown: 117
Spec Cap: 1.12000000476837
Test Length: 24
Site Status W L Meas: Not Reported
Date Discharged: 05/01/1967 00:00:00

Owner Information:
Owner: U S NADC
Date Ownership: 01/01/1967 00:00:00

Other ID Information:
Other Identifier: 9
Other I D Assignor: OWNER PA

T101
Agency cd: USGS
Site name: BK 1019
Latitude: 401212
Longitude: 0750320
Dec lon: -75.05517026
Dec lat: 40.20344197
Coor accr: S
Latlong datum: NAD83
Coor meth: M

Location map: HATBORO
Map scale: 24000
Altitude: 360
Altitude method: M
Altitude accuracy: 5
Altitude datum: NGVD29
Topographic: Hillside (slope)

Site type: Ground-water other than Spring
Date construction: 19670101
Date inventoried: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 385
Hole depth: Not Reported
Source of depth data: Not Reported
Project number: 444209300
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Daily flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported

TC1761930.2s Page A-106
<table>
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**U102**

**West**

1/4 - 1/2 Mile Higher

**Agency cd:** USGS  
**Site name:** BK 703  
**Latitude:** 401152  
**Longitude:** 0750346  
**Dec lat:** 40.19788649  
**Coor meth:** M  
**Latlong datum:** NAD27  
**State:** 42  
**County:** 017  
**Country:** US  
**Location map:** HATBORO  
**Altitude:** 363  
**Altitude accuracy:** 10  
**Altitude method:** M  
**Altitude datum:** NGVD29  
**Hydrologic:** Lower Delaware, New Jersey, Pennsylvania. Area = 1050 sq.mi.  
**Topographic:** Hilltop  
**Site type:** Ground-water other than Spring  
**Date inventoried:** Not Reported  
**Date construction:** Not Reported  
**Mean greenwich time offset:** EST  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** Not Reported  
**Aquifer:** STOCKTON FORMATION  
**Well depth:** Not Reported  
**Hole depth:** Not Reported  
**Peak flow data count:** Not Reported  
**Peak flow data end date:** Not Reported  
**Water quality data count:** Not Reported  
**Water quality data end date:** Not Reported  

Ground-water levels, Number of Measurements: 0

**U103**

**West**

1/4 - 1/2 Mile Higher

**Agency cd:** USGS  
**Site name:** BK 2541  
**Latitude:** 401152  
**Longitude:** 0750346  
**Dec lat:** 40.19788649  
**Coor meth:** M  
**Latlong datum:** NAD27  
**State:** 42  
**County:** 017  
**Country:** US  
**Location map:** HATBORO  
**Map scale:** 24000  

Ground-water levels, Number of Measurements: 0
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 362
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19930531
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 35
Source of depth data: reporting agency (generally USGS)
Real time data flag: 4
Daily flow data count: 0
Peak flow data count: 0
Water quality data count: 0
Ground water data count: 1
Ground-water levels, Number of Measurements: 1

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<tr>
<th>Date</th>
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<th>Feet to Sealevel</th>
</tr>
</thead>
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Note: The site had been pumped recently.

U104
West
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2539
Latitude: 401152
Longitude: 0750346
Dec lon: -75.06239276
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 362
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19930531
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 120
Source of depth data: reporting agency (generally USGS)
Real time data flag: 4
Daily flow data count: 0
Peak flow data count: 0
Note: The site had been pumped recently.
SCREEN Opening Information:

- Top Open Interval: 105
- Bottom Open Interval: 120
- Diameter Open Interval: 4
- Open Interval Material: PLASTIC
- Opening: SCREEN

Hole Information:

- Top Of Hole: 0
- Bottom Of Hole: 12
- Hole Diameter: 12

- Top Of Hole: 12
- Bottom Of Hole: 178
- Hole Diameter: 8

Casing Information:

- Top Of Casing: 0
- Bottom Of Casing: 12
- Casing: STEEL

- Top Of Casing: 0
- Bottom Of Casing: 120
- Casing: PVC OR OTHER PLASTIC

- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

Agency Use Section:

- Agency Use of Site: ANODE
- Agency Use Date: Not Reported

Construction Information:

- Construction Date: 11/17/1993 00:00:00
- Driller: 0330
- Source Cons Data: USGS OR PAGS
- Method Cons: AIR ROTARY
- Finish: SCREEN

Casing Information:

- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

Well Information:

- Top Of Well: 0
- Bottom Of Well: 120
- Well Depth: 120
- Well Type Of Site: HATBORO QUAD
- Hydrologic: Not Reported

Project Details:

- HOLE DEPTHTO BED: -75.06278
- LONGITUDE: 40.19778
- LATITUDE: 75.06278
- Agency Use Date: Not Reported
- Agency Use Section: 42470
- PAGWIS ID: 42470
- DATE UPDATE: Not Reported
- DATE CREATE: Not Reported
- LOCALWELLN: BK 2539
- LOCALWELL: 401152075034602
- MUNICIPALITY: WARMINSTER TWP.
- TOPOGRAPHY: VALLEY FLAT
- ELEVATION: 362
- ELEVATION: Not Reported
- ACCURACY OF: 5
- HYDROLOGIC: 02040201
- LATLONG ACCURACY: Not Reported
- TYPE OF SITE: WELL
- DATE CREATE: Not Reported
- DATE UPDATE: Not Reported
- SOURCE DEPTH DATA: USGS OR PAGS
- SOURCE DEPTH: USGS OR PAGS
- SOURCE CONS DATA: USGS OR PAGS
- METHOD CONS: AIR ROTARY
- REPORTING AGENCY: PaDAg pest. survey
- RELIABILITY: Not Reported
- ELEVMETHOD: 362
- ELEVATION: 120
- WELL DEPTH: 120
- DEPTH TO BED: -75.06278
- LOCALWELLN: BK 2539
- LOCALWELL: 401152075034602
- MUNICIPALITY: WARMINSTER TWP.
- TOPOGRAPHY: VALLEY FLAT
- ELEVATION: 362
- ELEVATION: Not Reported
- ACCURACY OF: 5
- HYDROLOGIC: 02040201
- LATLONG ACCURACY: Not Reported
- TYPE OF SITE: WELL
- DATE CREATE: Not Reported
- DATE UPDATE: Not Reported
- SOURCE DEPTH DATA: USGS OR PAGS
- SOURCE DEPTH: USGS OR PAGS
- SOURCE CONS DATA: USGS OR PAGS
- METHOD CONS: AIR ROTARY
- REPORTING AGENCY: PaDAg pest. survey
- RELIABILITY: Not Reported
- ELEVMETHOD: 362
- ELEVATION: 120
- WELL DEPTH: 120
- DEPTH TO BED: -75.06278
- LOCALWELLN: BK 2539
- LOCALWELL: 401152075034602
- MUNICIPALITY: WARMINSTER TWP.
- TOPOGRAPHY: VALLEY FLAT
- ELEVATION: 362
- ELEVATION: Not Reported
- ACCURACY OF: 5
- HYDROLOGIC: 02040201
- LATLONG ACCURACY: Not Reported
- TYPE OF SITE: WELL
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- SOURCE CONS DATA: USGS OR PAGS
- METHOD CONS: AIR ROTARY
- REPORTING AGENCY: PaDAg pest. survey
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- METHOD CONS: AIR ROTARY
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- RELIABILITY: Not Reported
- ELEVMETHOD: 362
- ELEVATION: 120
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- MUNICIPALITY: WARMINSTER TWP.
Geohydrologic Information:
- AAPG: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/17/1993 00:00:00

Remarks Information:
- Remark: LSD -1.5
- Remark Date: 12/15/1993 00:00:00

U107 West
1/4 - 1/2 Mile Higher

WELLID: 401152075034601 LOCALWELLN: BK 703
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLTOP
WELDEPTH: 0
ELEVATION: 360
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 10
HYDROLOGIC: 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.19778
LONGITUDE: -75.06278
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5017

Agency Use Section:
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported

Construction Information:
- Construction Date: Not Reported
- Driller: 1
- Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
- Method Cons: CABLE TOOL
- Finish: OPEN HOLE
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<td><strong>Driller:</strong> 0330</td>
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<td><strong>Method Cons:</strong> AIR ROTARY</td>
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<td><strong>Finish:</strong> SCREEN</td>
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Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 11.5
- Casing: STEEL
- Top Of Casing: 0
- Bottom Of Casing: 35
- Casing: PVC OR OTHER PLASTIC

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 11.5
- Hole Diameter: 12
- Top Of Hole: 12
- Bottom Of Hole: 36
- Hole Diameter: 8

Screen Opening Information:
- Top Open Interval: 26
- Bottom Open Interval: 35
- Diameter Open Interval: 4
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 12/02/1993 00:00:00

Remarks Information:
- Remark: LSD -3.5
- Remark Date: 12/02/1993 00:00:00
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEWD: 40.19778
LONGITUDEW: -75.06278
DEPTHTOBED: 0
DATERECDRILL: Not Reported
PAGWIS ID: 42471

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: Not Reported

Construction Information:
Construction Date: 11/24/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 11 Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 70 Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 12
Bottom Of Hole: 11

Top Of Hole: 12
Bottom Of Hole: 103 Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 60 Diameter Open Interval: 4
Bottom Open Interval: 70 Open Interval Material: PLASTIC Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED
### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/24/1993 00:00:00

### Remarks Information:
- **Remark:** LSD -2.3
- **Remark Date:** 11/24/1993 00:00:00

### Other ID Information:
- **Other Identifier:** HN-4-I
- **Other I D Assignor:** OWNER PA

### V110
- **West:** 1/4 - 1/2 Mile Lower

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<td>Latlong datum:</td>
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<td>Aquifer Type:</td>
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- **Ground-water levels, Number of Measurements:** 0

### V111
- **West:** 1/4 - 1/2 Mile Lower

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V112 West
1/4 - 1/2 Mile
Lower

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<td>Peak flow data count:</td>
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W113
East
1/4 - 1/2 Mile
Lower

Well ID: X 4174
Owner's Name: SCHORN G
County: BUCKS
Quadrangle: HATBORO
Hydrologic Unit: Not Reported
Water Usage: DOMESTIC
Well Depth: 130
Casing 1: 30
Casing 2: Not Reported
Static Water Level: 30
Yield (gpm): 70
Drawdown: Not Reported
Bedrock: 7
Water Bearing Zone 1: 35
Water Bearing Zone 2: 70
Water Bearing Zone 3: 125
Municipality: UPPER SOUTHAMPTON
Aquifer: STOCKTON FORMATION

X114
ENE
1/4 - 1/2 Mile
Higher

WELLID: 401228075024601
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLTOP
WELDEPTH: 0
ELEVATION: 365
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPESITE: WELL
DATACCREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCEDEPTHDATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: NORTHAMPTON TWP.
LATITUDEDDD: 40.19944
LONGITUDE: -75.04611
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**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

**Casing Information:**
- **Top Of Casing:** 0  
  **Bottom Of Casing:** 11  
  **Casing:** STEEL
- **Top Of Casing:** 0  
  **Bottom Of Casing:** 70  
  **Casing:** PVC OR OTHER PLASTIC

**Hole Information:**
- **Top Of Hole:** 0  
  **Bottom Of Hole:** 11  
  **Hole Diameter:** 12
- **Top Of Hole:** 12  
  **Bottom Of Hole:** 103  
  **Hole Diameter:** 8

**Screen Opening Information:**
- **Top Open Interval:** 60  
  **Bottom Open Interval:** 70  
  **Diameter Open Interval:** 4  
  **Open Interval Material:** PLASTIC
  **Opening:** SCREEN

**Geohydrologic Information:**
- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported  
  **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** WITHDRAWAL
- **Water Use:** DOMESTIC

**Production Information:**
- **Discharge Type:** Not Reported
- **Data Source:** Not Reported
- **Discharge Meas Method:** Not Reported
- **Discharge:** Not Reported  
  **SWL:** 20.1000003814697
- **W L Data Source:** S
- **W L Meas Method:** STEEL TAPE
- **Prod W L:** Not Reported  
  **Drawdown:** Not Reported
- **Spec Cap:** Not Reported  
  **Test Length:** Not Reported
- **Site Status W L Meas:** STATIC WATER LEVEL
- **Date Discharged:** 10/10/1978 00:00:00

**Owner Information:**
- **Owner:** WOLSTENHOLMES , J
- **Date Ownership:** 01/01/1978 00:00:00
Ground-water levels, Number of Measurements: 1

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### V116

**FRDS PWS**  
**PA1090116**

**PWS ID:** PA1090116  
**PWS Status:** Active

**Date Initiated:** Not Reported  
**Date Deactivated:** Not Reported

**PWS Name:** US NAVAL WARFARE CENTER  
**JACKSONVILLE RD**  
**WARMINSTER, PA 18974**

**Addressee / Facility:** Mailing  
**US NAVAL WARFARE CENTER**  
**PUBLIC WORKS OFFICER**  
**STREET & JACKSONVILLE ROADS**  
**WARMINSTER, PA 18974**
Facility Latitude: 40 11 45  Facility Longitude: 075 03 48
Facility Latitude: 40 11 56  Facility Longitude: 075 04 51
Facility Latitude: 40 11 56  Facility Longitude: 075 04 51
Facility Latitude: 40 12 03  Facility Longitude: 075 05 01
Facility Latitude: 40 12 03  Facility Longitude: 075 05 01
City Served: Not Reported
Treatment Class: Mixed (treated and untreated)  Population: 00002700

PWS currently has or had major violation(s) or enforcement: Yes

Violations information not reported.

**ENFORCEMENT INFORMATION:**

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<tr>
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<td>LEAD &amp; COPPER RULE</td>
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<tr>
<td>Compliance Period</td>
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**W117 East 1/4 - 1/2 Mile Lower**

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<td>BUCKS</td>
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<td></td>
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<tr>
<td>AAPG:</td>
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<td>TOPOGRAPHY:</td>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTOBED: 7
DATEDRILLE: Not Reported
PAGWIS ID: 70124

Construction Information:
Construction Date: Not Reported
Driller: 0111
Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 30
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SH
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: SCHORN G
Date Ownership: Not Reported

Y118
NE 1/4 - 1/2 Mile Higher

WELLID: Not Reported
LOCALWELLN: X 2498
COUNTY: BUCKS
AAPG: 1
TOPOGRAPHY: Not Reported
WELDEPTH: 575
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WW1 paper)
SOURCE DEPTH DATA: DRILLER'S RECORD
MUNICIPALITY: NORTHAMPTON TWP.
LATITUDE: 40.20222
LONGITUDE: -75.04833
| DEPTH TO BED: | 6 |
| DATEDRILLE: | Not Reported |
| PAGWIS ID: | 68262 |

**Construction Information:**
- **Construction Date:** 01/01/1970 00:00:00
- **Driller:** 0410
- **Source Cons Data:** DRILLER’S RECORD
- **Method Cons:** Not Reported
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 35
- **Casing:** Not Reported
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

**Geohydrologic Information:**
- **A A P G:** 1
- **Lithology:** 0
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** WITHDRAWAL
- **Water Use:** PUBLIC SUPPLY

**Owner Information:**
- **Owner:** MUN AUTH
- **Date Ownership:** Not Reported

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<tr>
<td>1/4 - 1/2 Mile</td>
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<tr>
<td>Higher</td>
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**Well ID:** X 2498
**Owner’s Name:** MUN AUTH
**Latitude:** 401208
**Quadrangle:** HATBORO
**Hydrologic Unit:** Not Reported
**Water Usage:** PUBLIC SUPPLY
**Well Depth:** 575
**Casing 1:** 35
**Casing2:** Not Reported
**Grouted:** Not Reported
**Static Water Level:** 21
**Yield (gpm):** 100
**Drawdown:** 119
**Bedrock:** 6
**Water Bearing Zone 1:** 70
**Water Bearing Zone 2:** Not Reported
**Water Bearing Zone 3:** Not Reported
**Municipality:** NORTHAMPTON
**Aquifer:** UNKNOWN
**County:** BUCKS
**Longitude:** 750254
**Lat/Long Accuracy:** ACCURATE TO +1 MINUTE
**Topographic Setting:** Not Reported
**Site Usage:** WITHDRAWAL
**Finish:** OPEN HOLE
**Casing1 Diameter (inches):** 6
**Casing2 Diameter (inches):** Not Reported
**Date Drilled:** 00-00-70
**Production WL:** Not Reported
**Yield Measurement Method:** 7
**Test Time:** 70
**Driller:** 0410
**Water Bearing Zone 2:** 115
**Lithology:** OTHER
**Remark:** 1745
### Map ID
- **Direction:** SE
- **Distance:** 1/4 - 1/2 Mile
- **Elevation:** Higher

### Database Information
- **Agency cd:** USGS
- **Site no:** 401133075025001
- **Latitude:** 401133
- **Longitude:** 0750250
- **Dec ion:** -75.04683682
- **Coor accru:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 358
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Valley flat
- **Site type:** Ground-water other than Spring
- **Date inventoried:** Not Reported
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER
- **Well depth:** 38.5
- **Hole depth:** 41.3
- **Source of depth data:** reporting agency (generally USGS)
- **Real time data flag:** 0
- **Daily flow data flag:** 0
- **Peak flow data flag:** 0
- **Water quality data flag:** 0
- **Ground water data flag:** 1

### Ground-water levels
- Ground-water levels, Number of Measurements: 1
- **Date:** 1995-04-26
- **Feet below Surface:** 22.52
- **Feet to Sealevel:**

### Map ID
- **Direction:** SW
- **Distance:** 1/2 - 1 Mile
- **Elevation:** Lower

### Database Information
- **WELLID:** 401131075034701
- **LOCALWELLN:** BK 952
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** UPLAND DRAW
- **WELLDPTH:** 623
- **ELEVATION:** 290
- **ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040202

---

**TC1761930.2s Page A-123**
LATLONGACCURACY: ACCURATE TO +5 SECONDS
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDDD: 40.19194
LONGITUDE: -75.06306
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 7068

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 08/01/1965 00:00:00
Driller: 0226
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: OTHER/UNKNOWN
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 55
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 10

Top Of Casing: 0
Bottom Of Casing: 33
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 14

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Production Information:
Discharge Type: PUMPED
Data Source: O
Discharge Meas Method: Not Reported
Discharge: 170
SWL: 6.05127382278442
W L Data Source: A
W L Meas Method: Not Reported
Prod W L: 224
Drawdown: Not Reported
Spec Cap: .77999971389771
Test Length: 48
Site Status W L Meas: Not Reported
Date Discharged: 08/23/1965 00:00:00
### Owner Information:

- **Owner:** WARMINSTER AUTH  
- **Date Ownership:** 01/01/1965 00:00:00

### Other ID Information:

- **Other Identifier:** 12  
  **Other I D Assignor:** OWNER PA
- **Other Identifier:** 204  
  **Other I D Assignor:** ROY WESTON
- **Other Identifier:** D-65-149 CP  
  **Other I D Assignor:** DRBC
- **Other Identifier:** BK- 16  
  **Other I D Assignor:** DRBC-PA

### Z122

**SW 1/2 - 1 Mile Lower**

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<td><strong>Hydrologic:</strong></td>
<td>Lower Delaware. New Jersey, Pennsylvania. Area = 1050 sq.mi.</td>
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<td><strong>Topographic:</strong></td>
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<td><strong>Site type:</strong></td>
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<td><strong>Aquifer Type:</strong></td>
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**Ground-water levels, Number of Measurements:** 1

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### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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<td>AAPG</td>
<td>231SCKN</td>
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<td>TOPOGRAPHY</td>
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**Notes:**
- AA124
- NNW
- 1/2 - 1 Mile
- Lower

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TC1761930.2s  Page A-126
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**AA125**

**PA WELLS**

**PA10000000058202**

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### DEPTH TO BED
0

### DATE DRILLED
Not Reported

### PAGWIS ID
5048

### Agency Use Section
- **Agency Use of Site**: OBSERVATION
- **Agency Use Date**: Not Reported

### Construction Information
- **Construction Date**: 01/01/1955 00:00:00
- **Driller**: 1
- **Source Cons Data**: WELL OWNER
- **Method Cons**: OTHER/UNKNOWN
- **Finish**: UNKNOWN

### Geohydrologic Information
- **A A P G**: 231SCKN
- **Lithology**: UNKNOWN
- **Contributing Unit**: PRIMARY
- **Top Of Interval**: Not Reported
- **Bottom Of Interval**: Not Reported

### Water Use Information
- **Site Use**: WITHDRAWAL
- **Water Use**: DOMESTIC

### Owner Information
- **Owner**: MCKELVIE, JAMES
- **Date Ownership**: 12/31/1955 00:00:00

### AB126
- **WWN**: 1/2 - 1 Mile
- **Lower**

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**NOTES**
- **Location map**: Not Reported
- **Land net**: Not Reported
- **Hydrologic**: Crosswicks/Neshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic**: Valley flat
- **Site type**: Ground-water other than Spring
- **Date inventoried**: 19950616
- **Date construction**: 19940307
- **Mean greenwich time offset**: EST
- **Local standard time flag**: Y
- **Type of ground water site**: Single well, other than collector or Ranney type
- **Aquifer Type**: Not Reported
- **Aquifer**: STOCKTON FORMATION, MIDDLE MEMBER
- **Well depth**: 61.5
- **Hole depth**: 65
Ground-water levels, Number of Measurements: 1

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<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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Note: The site was flowing, but the head could not be measured without additional equipment.
WELLID: 401205075035401  LOCALWELLN:  BK 2599
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 61.5
ELEVATION: 330
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20139
LONGITUDEED: -75.065
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42498

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 03/07/1994 00:00:00
Driller: 0330
Source Cons Data: REPORTED
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 14  Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0  Hole Diameter: 8
Bottom Of Hole: 14
Top Of Hole: 14
Bottom Of Hole: 65

Screen Opening Information:
Top Open Interval: 40
Bottom Open Interval: 60  Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
AAPG: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported
Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 03/07/1994 00:00:00

Remarks Information:
- Remark: LSD -2.0 TOC
- Remark Date: 03/07/1994 00:00:00

AC129
WNW
1/2 - 1 Mile
Higher

WELLID: 401158075035801
LOCALWELLN: BK 2601
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 100
ELEVATION: 360
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATEARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19944
LONGITUDEDD: -75.06611
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42482

Agency Use Section:
- Agency Use of Site: OBSERVATION
- Agency Use Date: 06/16/1995 00:00:00

Construction Information:
- Construction Date: 02/10/1994 00:00:00
- Driller: 0330
- Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
- Method Cons: AIR ROTARY
- Finish: SCREEN

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 20
- Casing: STEEL
Hole Information:
- Top Of Hole: 20
- Bottom Of Hole: 102
  - Hole Diameter: 6

Screen Opening Information:
- Top Open Interval: 65
- Bottom Open Interval: 85
  - Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
  - Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/10/1994 00:00:00

Remarks Information:
- Remark: LSD=LS
  - Remark Date: 02/28/1994 00:00:00

AC130
WNW
1/2 - 1 Mile
Higher

Agency cd: USGS
Site name: BK 2601
Latitude: 401158
Longitude: 0750358
Dec Ion: -75.06572617
Coor acc: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 360
Altitude accuracy: 5
Altitude method: M
Hydrologic: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19950616
Date construction: 19940210
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 100
Source of depth data: reporting agency (generally USGS)
Real time data flag: 4
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00

TC1761930.2s  Page A-132
### Ground-water levels
- **Date**: 1994-02-28
- **Feet below Surface**: 12.3
- **Note**: The site had been pumped recently.

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### Casing Information
- **Top Of Casing**: 0
- **Bottom Of Casing**: 20
- **Casing Material**: STEEL
- **Casing Wall Thickness**: Not Reported
- **Casing Diameter**: 6

### Hole Information
- **Top Of Hole**: 0
- **Bottom Of Hole**: 20
- **Hole Diameter**: 8
- **Top Of Hole**: 20
- **Bottom Of Hole**: 102
- **Hole Diameter**: 6
Screen Opening Information:
- Top Open Interval: 65
- Bottom Open Interval: 85
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

Owner Information:
- Owner: MCKELVIE, W
- Date Ownership: 12/31/1978 00:00:00

---

| Agency cd: USGS | Site no: 401221075032901 |
| Site name: BK 1037 | |
| Latitude: 401221 | |
| Longitude: 0750329 | Dec lat: 40.20594192 |
| Dec Ion: -75.0576703 | Coor meth: M |
| Coor accr: S | LONGLong dat: NAD27 |
| Dec lat long dat: NAD83 | |
| State: 42 | County: 017 |
| Country: US | Land net: Not Reported |
| Location map: HATBORO | Map scale: 24000 |
| Altitude: 345 | Altitude method: M |
| Altitude accuracy: 5 | Altitude datum: NGVD29 |
| Topographic: Hillside (slope) | |
| Site type: Ground-water other than Spring | Date construction: Not Reported |
| Date inventoried: Not Reported | Mean Greenwich time offset: EST |
| Local standard time flag: Y | |
| Type of ground water site: Single well, other than collector or Ranney type | |
| Aquifer Type: Not Reported | |
| Aquifer: STOCKTON FORMATION | |
| Well depth: Not Reported | Hole depth: Not Reported |
| Source of depth data: Not Reported | Project number: 444209300 |
| Real time data flag: Not Reported | Daily flow data begin date: Not Reported |
| Daily flow data end date: Not Reported | Daily flow data count: Not Reported |
| Peak flow data begin date: Not Reported | Peak flow data end date: Not Reported |
| Peak flow data count: Not Reported | Water quality data begin date: Not Reported |
| Water quality data end date: Not Reported | Water quality data count: Not Reported |
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**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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Ground-water levels, Number of Measurements: 0

**AB134**

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</tr>
<tr>
<td>AAPG</td>
<td>231SCKN</td>
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### Agency Use Section
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

### Casing Information
- **Top Of Casing:** 0
- **Bottom Of Casing:** 20
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

### Hole Information
- **Top Of Hole:** 0
- **Bottom Of Hole:** 20
- **Hole Diameter:** 8
- **Top Of Hole:** 20
- **Bottom Of Hole:** 102
- **Hole Diameter:** 6

### Screen Opening Information
- **Top Open Interval:** 65
- **Bottom Open Interval:** 85
- **Diameter Open Interval:** 2
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information
- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information
- **Site Use:** WITHDRAWAL
- **Water Use:** DOMESTIC

### Owner Information
- **Owner:** MUNRO, CRAIG
- **Date Ownership:** 01/01/1978 00:00:00

### WELLID Information
- **WELLID:** 401203075045901
- **LOCALWELLN:** BK 373
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** VALLEY FLAT
- **WELLDEPTH:** 250
- **ELEVATION:** 330
- **ELEV METHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP
- **ACCURACY OF:** 5
- **HYDROLOGIC:** 02040201
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDDD: 40.20083
LONGITUDE: -75.06694
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5025

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 08/01/1941 00:00:00
Driller: -241
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: CABLE TOOL
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: Not Reported Casing Diameter: 8
Casing: STEEL

Hole Information:
Top Of Hole: 0 Hole Diameter: 8
Bottom Of Hole: 250

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: INDUSTRIAL

Production Information:
Discharge Type: PUMPED
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: 125 SWL: Not Reported
W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: Not Reported Drawdown: Not Reported
Spec Cap: 1.7799997138977 Test Length: 3
Site Status W L Meas: Not Reported
Date Discharged: 07/28/1943 00:00:00
Owner Information:
Owner: U S NADC
Date Ownership: 08/01/1941 00:00:00

Other ID Information:
Other Identifier: 1 Other I D Assignor: OWNER PA

AE136
West
1/2 - 1 Mile
Lower

AE137
West
1/2 - 1 Mile
Lower
### AD138
**WNW**
1/2 - 1 Mile
**Lower**

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<td><strong>Dec latlong datum:</strong></td>
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<td><strong>Type of ground water site:</strong></td>
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<td><strong>Aquifer Type:</strong></td>
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**Ground-water levels, Number of Measurements: 0**
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

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<th>Date</th>
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AF139
SW 1/2 - 1 Mile Lower

WELLID: 401124075035201 LOCALWELLN: BK 1032
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 152
ELEVATION: 310
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19
LONGITUDED: -75.06444
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 4989

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 1
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 152 Hole Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported
Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: PUMPED
Data Source: O
Discharge Meas Method: Not Reported
Discharge: 8 SWL: Not Reported
W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: Not Reported Drawdown: Not Reported
Spec Cap: Not Reported Test Length: Not Reported
Site Status W L Meas: Not Reported
Date Discharged: Not Reported

Owner Information:
Owner: SINKLER, EARL
Date Ownership: 01/01/1961 00:00:00

AF140
SW 1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 1032
Latitude: 401124
Longitude: 0750352 Dec lat: 40.19010885
Dec Ion: -75.06405958 Coor meth: M
Coor accr: S LatiLong datum: NAD27
Dec latLong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 310 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29

Topographic: Hillside (slope)
Site type: Ground-water other than Spring Date construction: Not Reported
Date inventoried: Not Reported Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 152 Hole depth: Not Reported
Source of depth data: Not Reported Project number: 444209300
Real time data flag: Not Reported Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported Daily flow data count: Not Reported
Peak flow data begin date: Not Reported Peak flow data end date: Not Reported
Peak flow data count: Not Reported Water quality data begin date: Not Reported
Water quality data end date: Not Reported Water quality data count: Not Reported
Ground water data begin date: Not Reported Ground water data end date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0
AG141
WNW
1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 2759
Latitude: 401209
Longitude: 0750400
Dec lon: -75.0662817
Coor accr: S
Dec latlon datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 328
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: Not Reported
Source of depth data: reporting agency (generally USGS)
Real time data flag: Not Reported
Real time data count: 40.0

Ground-water levels, Number of Measurements: 0

AG142
WNW
1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 1034
Latitude: 401209
Longitude: 0750400
Dec lon: -75.0662817
Coor accr: S
Dec latlon datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 340
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: Not Reported

Mean greenwich time offset: EST
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Ground-water levels, Number of Measurements: 0

AG143  
WNW  
1/2 - 1 Mile  
Lower

**WELLID:** 401209075040001  
**LOCALWELLN:** BK 1034  
**COUNTY:** BUCKS  
**AAPG:** 231SCKN  
**TOPOGRAPHY:** HILLSIDE  
**WELDEPTH:** 70  
**ELEVATION:** 340  
**ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP  
**ACCURACYOF:** 5  
**HYDROLOGIC:** 02040201  
**LATLONGACCURACY:** ACCURATE TO +1 SECOND  
**QUAD:** HATBORO  
**TYPEOFSITE:** WELL  
**DATECREATE:** Not Reported  
**DATEUPDATE:** Not Reported  
**DATERELIALIBILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  
**SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED  
**MUNICIPALITY:** WARMINSTER TWP.  
**LATITUDEDD:** 40.2025  
**LONGITUDE:** -75.06667  
**DEPTHTOBED:** 0  
**DATEDRILL:** Not Reported  
**PAGWIS ID:** 5035

**Agency Use Section:**  
**Agency Use of Site:** OBSERVATION  
**Agency Use Date:** Not Reported

**Construction Information:**  
**Construction Date:** Not Reported  
**Driller:** 1  
**Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED  
**Method Cons:** CABLE TOOL  
**Finish:** UNKNOWN
Hole Information:
  Top Of Hole:  0
  Bottom Of Hole:  70  Hole Diameter:  6

Geohydrologic Information:
  A A P G:  231SCKN
  Lithology:  UNKNOWN
  Contributing Unit:  PRIMARY
  Top Of Interval:  Not Reported  Bottom Of Interval:  Not Reported

Water Use Information:
  Site Use:  WITHDRAWAL
  Water Use:  DOMESTIC

Owner Information:
  Owner:  ANDRE
  Date Ownership:  01/01/1978 00:00:00

AH144
East
1/2 - 1 Mile
Lower

WELLID:  Not Reported  LOCALWELLN:  5030N
COUNTY:  BUCKS
AAPG:  231SCKN
TOPOGRAPHY:  HILLSIDE
WELLDEPTH:  530
ELEVATION:  0
ELEVMETHOD:  Not Reported  ACCURACYOF:  Not Reported
HYDROLOGIC:  02040201  LATLONGACCURACY:  ACCURATE TO +1 MINUTE
QUAD:  HATBORO
TYPEOFSITE:  WELL
DATECREATE:  Not Reported  DATEUPDATE:  Not Reported
DATARELIABILITY:  LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA:  DRILLER’S RECORD
MUNICIPALITY:  NORTHAMPTON TWP.
LATITUDEDD:  40.19611
LONGITUDED:  -75.04
DEPTHTOBED:  0
DATEDRILLE:  Not Reported
PAGWIS ID:  68039

Construction Information:
  Construction Date:  12/01/1979 00:00:00
  Driller:  330
  Source Cons Data:  DRILLER’S RECORD
  Method Cons:  Not Reported
  Finish:  OPEN HOLE

Casing Information:
  Top Of Casing:  0  Casing Wall Thickness:  Not Reported
  Bottom Of Casing:  60  Casing Diameter:  Not Reported
  Casing:  Not Reported
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geohydrologic Information:
A A P G: 231SCKN
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Remarks Information:
Remark: WELL DIA=10; OWNED BY NORTHAMPTON MUNICIPAL AUTHORITY
Remark Date: Not Reported

AH145
East
1/2 - 1 Mile
Lower
Well ID: 5030N
Owner's Name: Not Reported
County: BUCKS
Latitude: 401146
Longitude: 750224
Quadrangle: HATBORO
Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Hydrologic Unit: 02040201
Topographic Setting: HILLSIDE
Water Usage: PUBLIC SUPPLY
Site Usage: WITHDRAWAL
Well Depth: 530
Finish: OPEN HOLE
Casing 1: 60
Casing 1 Diameter(inches): Not Reported
Casing 2: Not Reported
Casing 2 Diameter(inches): Not Reported
Date Drilled: 12-79
Production WL: Not Reported
Yield Measurement Method: 0
Test Time: Not Reported
Driller: 330
Bedrock: Not Reported
Water Bearing Zone 1: Not Reported
Water Bearing Zone 2: Not Reported
Water Bearing Zone 3: Not Reported
Municipality: NORTHAMPTON
Lithology: Not Reported
Remark: WELL DIA=10; OWNED BY
Aquifer: STOCKTON FORMATION

AI146
SW
1/2 - 1 Mile
Lower
Well ID: 5337N
Owner's Name: BETZ F
County: BUCKS
Latitude: 401120
Longitude: 750353
Quadrangle: HATBORO
Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Hydrologic Unit: 02040201
Topographic Setting: HILLSIDE
Water Usage: DOMESTIC
Site Usage: WITHDRAWAL
Well Depth: 155
Finish: Not Reported
Casing 1: 36
Casing 1 Diameter(inches): 6
Casing 2: Not Reported
Casing 2 Diameter(inches): Not Reported
Grouted: Not Reported  Date Drilled: 6-28-75
Static Water Level: 155  Production WL: 155
Yield (gpm): 15  Yield Measurement Method: E
Drawdown: Not Reported  Test Time: 3
Bedrock: Not Reported  Driller: 260
Water Bearing Zone 1: 72  Water Bearing Zone 2: 150
Water Bearing Zone 3: Not Reported  Lithology: SANDSTONE
Municipality: WARMINSTER  Remark: CAS.MAT=STEEL
Aquifer: STOCKTON FORMATION

AGJ147
West
1/2 - 1 Mile Higher

Agency cd: USGS  Site no: 401151075040901
Site name: BK 378
Latitude: 401151
Longitude: 0750409  Dec lat: 40.1976087
Dec lon: -75.06878184  Coor meth: M
Dec latlong datnum: NAD83  Distric: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 360  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Hilltop
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 278  Hole depth: Not Reported
Source of depth data: Not Reported  Project number: 444209300
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data end date: Not Reported
Water quality data end date: Not Reported
Ground water data end date: Not Reported
Ground water levels, Number of Measurements: 0

AGJ148
West
1/2 - 1 Mile Higher

WELLID: 401151075040901  LOCALWELLN: BK 378
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLTOP
WELDDEPTH: 278
ELEVATION: 360
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY:  ACCURATE TO +1 SECOND
QUAD:  HATBORO
TYPEOFSITE:  WELL
DATARELIALIBILITY:  Not Reported
SOURCE DEPTH DATA:  FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
MUNICIPALITY:  WARMINSTER TWP.
LATITUDE:  40.1975
LONGITUDE:  -75.06917
DEPHTOED:  0
DATEDRILLE:  Not Reported
PAGWIS ID:  5016

Agency Use Section:
Agency Use of Site:  OBSERVATION
Agency Use Date:  Not Reported

Construction Information:
Construction Date:  10/01/1949 00:00:00
Driller:  0399
Source Cons Data:  WELL OWNER
Method Cons:  CABLE TOOL
Finish:  OPEN HOLE

Hole Information:
Top Of Hole:  0
Bottom Of Hole:  278
Hole Diameter:  6

Geohydrologic Information:
A A P G:  231SCKN
Lithology:  UNKNOWN
Contributing Unit:  PRIMARY
Top Of Interval:  Not Reported
Bottom Of Interval:  Not Reported

Water Use Information:
Site Use:  WITHDRAWAL
Water Use:  DOMESTIC

Owner Information:
Owner:  U S NADC
Date Ownership:  10/01/1949 00:00:00

Other ID Information:
Other Identifier:  6
Other ID Assignor:  OWNER PA
LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported
DATARELIALITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.18889
LONGITUDE: -75.06472
DEPTHTOBed: 0
DATEDRILL: Not Reported
PAGWIS ID: 65058

Construction Information:
Construction Date: 06/28/1975 00:00:00
Driller: 260
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: Not Reported

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 36
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SS
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: BETZ F
Date Ownership: Not Reported

Remarks Information:
Remark: CAS.MAT=STEEL
Remark Date: Not Reported

Well Information:
WELLID: 401120075035301
LOCALWELLN: BK 1071
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 155
ELEVATION: 325
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATACreate: Not Reported
DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.18889
LONGITUDE: -75.06472
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 4984

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 06/28/1975 00:00:00
Driller: 0260
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 36
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 155
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: CARTER , S
Date Ownership: 01/01/1978 00:00:00
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Ground-water levels, Number of Measurements: 0

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TC1761930.2s Page A-150
### AK153

**WNN**

1/2 - 1 Mile

**Lower**

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**Agency Use Section:**

- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/16/1995 00:00:00

**Construction Information:**

- **Construction Date:** 02/22/1994 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

**Casing Information:**

- **Top Of Casing:** 0
- **Casing Wall Thickness:** Not Reported
- **Bottom Of Casing:** 18
- **Casing Diameter:** 6
- **Casing:** STEEL

---

**Ground water levels, Number of Measurements:** 1

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**Water quality data count:** 0

**Ground water data begin date:** 1995-04-05

**Ground water data end date:** 1995-04-05
Hole Information:
Top Of Hole: 0
Bottom Of Hole: 18
Hole Diameter: 8
Top Of Hole: 18
Bottom Of Hole: 84
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 55
Bottom Open Interval: 65
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
AAPG: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/22/1994 00:00:00

Remarks Information:
Remark: LSD -2.7 TOC
Remark Date: 02/24/1994 00:00:00

---

AK154
WNW
1/2 - 1 Mile
Lower

WELLID: 401204075040602
LOCALWELLN: BK 2597
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 172
ELEVATION: 340
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20111
LONGITUDEDD: -75.06833
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42494

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 02/16/1994 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 18.2999992370605
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 18.5
Hole Diameter: 8
Top Of Hole: 18.5
Bottom Of Hole: 181
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 162
Bottom Open Interval: 172
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/16/1994 00:00:00

Remarks Information:
Remark: LSD -2.8 TOC
Remark Date: 02/16/1994 00:00:00
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Note: The site had been pumped recently.

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Ground-water levels, Number of Measurements: 1

Feet below Surface Feet to Sealvel

1994-02-24 5.5

Note: The site had been pumped recently.
WELLID: 401210075040301  LOCALWELLN: BK 702
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 202
ELEVATION: 340
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20278
LONGITUDED: -75.0675
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5037

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 1
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: PUMPED
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: 27  SWL: Not Reported
W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: Not Reported  Drawdown: Not Reported
Spec Cap: Not Reported  Test Length: Not Reported
Site Status W L Meas: Not Reported
Date Discharged: Not Reported
Owner Information:
Owner: U S NADC
Date Ownership: 01/01/1941 00:00:00

Other ID Information:
Other Identifier: 7
Other I D Assignor: OWNER PA

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Ground-water levels, Number of Measurements: 3

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WELDEPTH: 102
ELEVATION: 320
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCEDEPTHDATA: OTHER/UNKNOWN/UNSPECIFIED
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LATITUDEDD: 40.18833
LONGITUDEDD: -75.06444
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWisID: 4983

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 01/01/1968 00:00:00
Driller: 0560
Source Cons Data: DRILLER'S RECORD
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 33
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 102
Hole Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SANDSTONE AND SHALE
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: DICKSON
Date Ownership: 01/01/1968 00:00:00
## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### AL161
**SSE**

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**Ground-water levels, Number of Measurements:** 1

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**AL161 SSE FED USGS USGS2165629**

**AL162 SSE PA WELLS PA1000000055474**
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATARELIABILITY: NOT REPORTED
DATEUPDATE: NOT REPORTED
MUNICIPALITY: UPPER SOUTHERN TWP.
LATITUDE: 40.18611
LONGITUDE: -75.04944
DEPTHTOBED: 0
DATEREDRILL: NOT REPORTED
PAGWISID: 7064

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: NOT REPORTED

Construction Information:
Construction Date: 02/01/1958 00:00:00
Driller: 1
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: HYDRAULIC ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 65
Casing: STEEL
Casing Wall Thickness: NOT REPORTED
Casing Diameter: 10

Top Of Casing: 0
Bottom Of Casing: 43
Casing: STEEL
Casing Wall Thickness: NOT REPORTED
Casing Diameter: 14

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 445
Hole Diameter: 10

Geohydrologic Information:
A A P G: 231SCK
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: NOT REPORTED
Bottom Of Interval: NOT REPORTED

Water Use Information:
Site Use: UNUSED
Water Use: UNUSED

Production Information:
Discharge Type: PUMPED
Data Source: NOT REPORTED
Discharge Meas Method: NOT REPORTED
Discharge: 47

Drawdown: NOT REPORTED
Test Length: 48
Spec Cap: .27000010728836
Prod W L: 218
Site Status W L Meas: NOT REPORTED
Date Discharged: 02/18/1959 00:00:00

SWL: 43.9259338378906
Owner Information:
Owner: UPPER SOUTHAMPTON AUTH
Date Ownership: 02/01/1958 00:00:00

Other ID Information:
Other Identifier: 4 Other I D Assignor: OWNER PA

AM163
SW 1/2 - 1 Mile

Lower

WELLID: 401116075034901 LOCALWELLN: BK 1024
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLDEPTH: 140
ELEVATION: 310
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
 TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.18778
LONGITUDEDD: -75.06361
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 7065

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 01/01/1971 00:00:00
Driller: 0331
Source Cons Data: WELL OWNER
Method Cons: OTHER/UNKNOWN
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 30 Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0 Hole Diameter: 6
Bottom Of Hole: 140
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TC1761930.2s Page A-162
Ground-water levels, Number of Measurements: 1

Date          Feets below Surface   Feet to Sealevel

1978-07-26    37.42

AG165

Ground-water data end date: 1978-07-26
Ground-water data begin date: 1978-07-26
Ground water data count: 1

AG165

Ground-water data end date: 1979-07-25
Ground-water data begin date: 1979-07-25
Ground water data count: 0

AG165

Ground-water data end date: 1995-03-31
Ground-water data begin date: 1995-03-31
Ground water data count: 1

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Ground water data count: 0

AG165

Ground-water data end date: Ground water data begin date: 1995-03-31
Ground water data count: 0

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Ground-water data end date: Ground water data begin date: 1995-03-31
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Ground-water data end date: Ground water data begin date: 1995-03-31
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Ground-water data end date: Ground water data begin date: 1995-03-31
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Ground-water data end date: Ground water data begin date: 1995-03-31
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Ground-water data end date: Ground water data begin date: 1995-03-31
Ground water data count: 0
## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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### Construction Information:
- **Construction Date:** 07/02/1974 00:00:00
- **Driller:** 260
- **Source Cons Data:** DRILLER'S RECORD
- **Method Cons:** Not Reported
- **Finish:** Not Reported

---

**REMARKS:**
- **Well Type of Site:** DOMESTIC
- **Water Usage:**
  - **Hillsideto Topographic Setting:** 02040201
  - **Hydrologic Unit:** Not Reported
  - **Topographic Setting:** HILLSIDE

**SOURCE DEPTH DATA:**
- **Driller's Record:** Not Reported
- **Date Drilled:** Not Reported
- **Date Create:** Not Reported
- **Date Update:** Not Reported
- **Location May Not Be Accurate:** (WWI paper)
- **Lat/Long Accuracy:** ACCURATE TO +1 MINUTE
- **Topographic Setting:** HILLSIDE
- **Driller:** Not Reported
- **Site Usage:** WITHDRAWAL
- **Method Cons:** Not Reported
- **Finish:** Not Reported
- **Well Depth:** 215
- **Casing1 Diameter (inches):** 6
- **Casing2 Diameter (inches):** Not Reported
- **Date Drilled:** 7-2-74
- **Production WL:** 215
- **Water Bearing Zone 2:** 180
- **Water Bearing Zone 1:** 260
- **Bedrock:** Not Reported
- **Test Time:** 1.5
- **Yield Measurement Method:** E
- **Lithology:** SANDSTONE
- **Owner's Name:** BETZ F
- **County:** BUCKS
- **Well ID:** 5338N
- **Lat/Lon Accuracy:** ACCURATE TO +1 MINUTE
- **Municipality:** WARMINSTER TWP.
- **Latitude:** 40.18806
- **Longitude:** -75.06472
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 42
- Casing: Not Reported
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

**Geohydrologic Information:**
- AAPG: 231SCKN
- Lithology: SS
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

**Owner Information:**
- Owner: BETZ F
- Date Ownership: Not Reported

---

**AI168**

**PA WELLS** PA1000000055726

1/2 - 1 Mile Lower

**WELLID:** 401117075035301
**LOCALWELLN:** BK 1018
**COUNTY:** BUCKS
**AAPG:** 231SCKN
**TOPOGRAPHY:** HILLSIDE
**WELDEPTH:** 215
**ELEVATION:** 330
**ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP
**ACCURACYOF:** 5
**HYDROLOGIC:** 02040202
**LATLONACCURACY:** ACCURATE TO +1 SECOND
**QUAD:** HATBORO
**TYPESITE:** WELL
**DATECREATE:** Not Reported
**DATEUPDATE:** Not Reported

- **DATERELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDEDD:** 40.18806
- **LONGITUDED:** -75.06472
- **DEPTHTOBED:** 0
- **DATEDRILLE:** Not Reported
- **PAGWIS ID:** 4979

**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported

**Construction Information:**
- Construction Date: 07/02/1974 00:00:00
- Driller: 0260
- Source Cons Data: DRILLER’S RECORD
- Method Cons: AIR ROTARY
- Finish: OPEN HOLE
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 42
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 215
- Hole Diameter: 6

**Geohydrologic Information:**
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

**Owner Information:**
- Owner: BETZ, FRED
- Date Ownership: 07/02/1974 00:00:00

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Ground-water levels, Number of Measurements: 0
### AM170
**SW**
**1/2 - 1 Mile**

**Lower**

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### AM171
**SW**
**1/2 - 1 Mile**

**Lower**

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<td>COUNTY:</td>
<td>BUCKS</td>
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<tr>
<td>AAPG:</td>
<td>231SCKN</td>
</tr>
<tr>
<td>TOPOGRAPHY:</td>
<td>HILLSIDE</td>
</tr>
<tr>
<td>WELLDPTH:</td>
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<td>ELEVATION:</td>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPEOFSITE: WELL
DATAREL IABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEDD: 40.1875
LONGITUDEEDD: -75.06389
DEPTH TO BED: 45
DATE DRILLED: Not Reported
PAGWIS ID: 65057

Construction Information:
Construction Date: 02/27/1976 00:00:00
Driller: 512
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: Not Reported

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 69
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SH
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: Not Reported
Water Use: DOMESTIC

Owner Information:
Owner: HOLLAND ENTERPRISES
Date Ownership: Not Reported

AM172
SW
1/2 - 1 Mile
Lower
WELLID: 401115075035001
LOCALWELLN: BK 1070
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLDEPTH: 135
ELEVATION: 315
ELEV METHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202

PA WELLS PA1000000055655
AM173
SW
1/2 - 1 Mile
Lower

Well ID: 5336N
Owner’s Name: HOLLAND
Latitude: 401115
Quadrangle: HATBORO
Hydrologic Unit: 02040201
Water Usage: DOMESTIC
Well Depth: 135
Casing 1: 69
Casing2: Not Reported

Owner: KLINGERS, C
Date Ownership: 01/01/1978 00:00:00

PA WELLS SAW0020480
### Geophysical Setting Source Map Findings

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### WELL Information

- **WELLID**: 401120075035801
- **LOCALWELLN**: BK 1017
- **COUNTY**: BUCKS
- **AAPG**: 231SCKN
- **TOPOGRAPHY**: HILLTOP
- **WELDEPTH**: 0
- **ELEVATION**: 350
- **ELEVMETHOD**: INTERPOLATED FROM TOPOGRAPHIC MAP
- **ACCURACYOF**: 5
- **HYDROLOGIC**: 02040202
- **LATLONACCURACY**: ACCURATE TO +1 SECOND
- **QUAD**: HATBORO
- **TYPEOFSITE**: WELL
- **DATECREATE**: Not Reported
- **DATEUPDATE**: Not Reported
- **DATEDRILL**: Not Reported
- **PAGWIS ID**: 4985

### Agency Use Section

- **Agency Use of Site**: OBSERVATION
- **Agency Use Date**: Not Reported

### Casing Information

- **Top Of Casing**: 0
- **Bottom Of Casing**: 69
- **Casing Diameter**: 6
- **Casing Wall Thickness**: Not Reported
- **Casing**: STEEL

### Hole Information

- **Top Of Hole**: 0
- **Bottom Of Hole**: 135
- **Hole Diameter**: 6

### Geophysical Information

- **AAPG**: 231SCKN
- **Lithology**: SHALE
- **Contributing Unit**: PRIMARY
- **Top Of Interval**: Not Reported
- **Bottom Of Interval**: Not Reported
## Ground-water Levels

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## Water Use Information

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## Owner Information

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## AN175 SW

### 1/2 - 1 Mile Lower

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<td>Hole depth</td>
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### 1978-07-13

| Ground water data begin date | 1978-07-13 |
| Ground water data end date | 1978-07-13 |

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## AO176 WNW

### 1/2 - 1 Mile Lower

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### 1978-07-13

| Ground water data begin date | 1978-07-13 |
| Ground water data end date | 1978-07-13 |
STOCKTON FORMATION
Aquifer:

4) 185; CAS.MAT=STEEL
Remark: WARMINSTER
Municipality: SANDSTONE
Lithology: 150
Water Bearing Zone 3: 110
Water Bearing Zone 2: 70
Water Bearing Zone 1: 331
Driller: 25
Bedrock: 2
Test Time: 40
Drawdown: EYield Measurement Method: 20
Yield (gpm): 80
Production WL: 40
Static Water Level: 6-27-74
Date Drilled: Not Reported
Grouted: Not Reported
Casing2 Diameter (inches): 6
Casing2: Not Reported
Casing1 Diameter (inches): Not Reported
Casing1: 31
Flat Finish: 200
Well Depth: 88
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: 4
Daily flow data count: Not Reported
Daily flow data end date: Not Reported
Peak flow data count: Not Reported
Peak flow data begin date: Not Reported
Water quality data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data end date: Not Reported
Ground-water levels, Number of Measurements: 0

AP177
SW
1/2 - 1 Mile
Lower
Well ID: 5335N
Owner's Name: P.S.M. BUILDERS
Latitude: 401116
Quadrangle: HATBORO
Hydrologic Unit: 02040201
Water Usage: DOMESTIC
Well Depth: 200
Casing 1: 31
Casing2: Not Reported
Grouted: Not Reported
Static Water Level: 40
Yield (gpm): 20
Drawdown: 40
Bedrock: 25
Water Bearing Zone 1: 70
Water Bearing Zone 3: 150
Municipality: WARMINSTER
Aquifer: STOCKTON FORMATION
### GEHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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**WELL INFORMATION**

- **Agency cd:** USGS
- **Site name:** BK 2675
- **Latitude:** 40.1211
- **Longitude:** -75.0679
- **Dec lon:** -75.0679
- **Dec lat:** 40.1211
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 327
- **Hydrologic:** Not Reported
- **Topographic:** Hilltop
- **Aquifer:** STOCKTON FORMATION
- **Aquifer Type:** Unconfined single aquifer
- **Real time data flag:** Y
- **Well depth:** 111
- **Source of depth data:** logs
- **Elevation:** 0
- **ELEVATION method:** Not Reported
- **ACCURACYOF:** Not Reported
- **HYDROLOGIC:** Not Reported
- **LATLONGACCURACY:** ACCURATE TO +1 MINUTE
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** LOCATION MAY NOT BE ACCURATE (WWI paper)
- **SOURCE DEPTH DATA:** DRILLER'S RECORD
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDE:** 40.1877
- **LONGITUDE:** -75.065
- **WELLID:** Not Reported
- **LOCALWELLN:** 5335N
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** HILLSIDE
- **WELDEPTH:** 200
- **ELEVATION:** 0
- **ELEVATION method:** Not Reported
- **ACCURACYOF:** Not Reported
- **HYDROLOGIC:** Not Reported
- **LATLONGACCURACY:** ACCURATE TO +1 MINUTE
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** LOCATION MAY NOT BE ACCURATE (WWI paper)
- **SOURCE DEPTH DATA:** DRILLER'S RECORD
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDE:** 40.1877
- **LONGITUDE:** -75.065
- **WELLID:** Not Reported
- **LOCALWELLN:** 5335N
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** HILLSIDE
- **WELDEPTH:** 200
- **ELEVATION:** 0
- **ELEVATION method:** Not Reported
- **ACCURACYOF:** Not Reported
- **HYDROLOGIC:** Not Reported
- **LATLONGACCURACY:** ACCURATE TO +1 MINUTE
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** LOCATION MAY NOT BE ACCURATE (WWI paper)
- **SOURCE DEPTH DATA:** DRILLER'S RECORD
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDE:** 40.1877
- **LONGITUDE:** -75.065

Ground-water levels, Number of Measurements: 0
DEPTHTOBED: 25
DATEDRILLET: Not Reported
PAGWIS ID: 65056

Construction Information:
Construction Date: 06/27/1974 00:00:00
Driller: 331
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
 Finish: Not Reported

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 31
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SS
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: P.S.M. BUILDERS
Date Ownership: Not Reported

Remarks Information:
Remark: 4) 185; CAS.MAT=STEEL
Remark Date: Not Reported

---

AP180
SW 1/2 - 1 Mile
Lower

WELLID: 401116075035401 LOCALWELLN: BK 1069
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 200
ELEVATION: 330
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITIUEDD: 40.18778
LONGITUDEDD: -75.065
### GECheckpoint® - Physical Setting Source Map Findings

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<td>PAGWIS ID</td>
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#### Agency Use Section
- **Agency Use of Site**: OBSERVATION
- **Agency Use Date**: Not Reported

#### Construction Information
- **Construction Date**: 06/27/1974 00:00:00
- **Driller**: 0331
- **Source Cons Data**: DRILLER'S RECORD
- **Method Cons**: AIR ROTARY
- **Finish**: OPEN HOLE

#### Casing Information
- **Top Of Casing**: 0
- **Casing Wall Thickness**: Not Reported
- **Casing Diameter**: 6
- **Bottom Of Casing**: 31.5
- **Casing**: STEEL

#### Hole Information
- **Top Of Hole**: 0
- **Hole Diameter**: 6
- **Bottom Of Hole**: 200

#### Geohydrologic Information
- **A A P G**: SCKNA
- **Lithology**: UNKNOWN
- **Contributing Unit**: PRIMARY
- **Top Of Interval**: Not Reported
- **Bottom Of Interval**: Not Reported

#### Water Use Information
- **Site Use**: WITHDRAWAL
- **Water Use**: DOMESTIC

#### Owner Information
- **Owner**: KELLY , R
- **Date Ownership**: 01/01/1978 00:00:00

---

### AP181

**FED USGS**

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<td>S</td>
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<td>Country</td>
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<td>Land net</td>
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<td>Location map</td>
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<td>Ground-water other than Spring</td>
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<td>Mean greenwich time offset</td>
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Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 200
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Ground water data begin date: 1974-06-27
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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182
NW
1/2 - 1 Mile
Lower

WELLID: 401223075035401
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
DEPTHTOBED: 0
HOLE DEPTH: 601
ELEVATION: 315
ELEV METHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LAT LNGACCURACY: ACCURATE TO +5 SECONDS
QUAD: HATBoro
TYPE OF SITE: WELL
DATE CREATE: Not Reported
DATE UPDATE: Not Reported
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
SOURCE OF DEPTH DATA: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20639
LONGITUDE: -75.065
DEPTH TO BED: 0
DATE DRILLED: Not Reported
PAGWIS ID: 7078

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 01/01/1966 00:00:00
Driller: 0226
Source Cons Data: WELL OWNER
Method Cons: OTHER/UNKNOWN
Finish: OPEN HOLE
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 50
- Casing: STEEL
- Top Of Casing: 0
- Bottom Of Casing: 30
- Casing: STEEL

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 0
- Hole Diameter: 10

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: PUBLIC SUPPLY

Production Information:
- Discharge Type: PUMPED
- Data Source: O
- Discharge Meas Method: Not Reported
- Discharge: 167
- W L Data Source: A
- W L Meas Method: Not Reported
- Prod W L: 238
- Spec Cap: .720000028610229
- Drawdown: Not Reported
- Test Length: 48
- SWL: 6.05556488037109
- Date Discharged: 06/22/1966 00:00:00

Owner Information:
- Owner: WARMINSTER AUTH
- Date Ownership: 01/01/1966 00:00:00

Other ID Information:
- Other Identifier: 13
  Other I D Assignor: OWNER PA
- Other Identifier: D-66-204 CP
  Other I D Assignor: DRBC
- Other Identifier: BK- 17
  Other I D Assignor: DRBC-PA
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATARELIALIBILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20111
LONGITUDE: -75.06972
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42495

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/15/1995 00:00:00

Construction Information:
Construction Date: 02/22/1994 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19
Casing Wall Thickness: Not Reported
Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 19
Hole Diameter: 8

Top Of Hole: 19
Bottom Of Hole: 75
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 49
Bottom Open Interval: 62
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/22/1994 00:00:00
AQ184
WNW
1/2 - 1 Mile
Lower

| WELLID:    | 401204075041102 | LOCALWELLN: | BK 2587 |
| COUNTY:   | BUCKS          |            |         |
| AAPG:     | 231SCKNM       |            |         |
| TOPOGRAPHY: | VALLEY FLAT   |            |         |
| WELDEPTH: | 151            |            |         |
| ELEVATION: | 340            |            |         |
| ELEVMETHOD: | Not Reported |            |         |
| ACCURACYOF: | 5              |            |         |
| HYDROLOGIC: | 02040201      |            |         |
| LATLONGACCURACY: | Not Reported |            |         |
| QUAD:     | HATBORO        |            |         |
| TYPESITE: | WELL           |            |         |
| DATEDRILL: | Not Reported  | DATEUPDATE: | Not Reported |
| DATECREATE: | Not Reported |            |         |
| SOURCE DEPTH DATA: | USGS OR PAGS |            |         |
| MUNICIPALITY: | WARMINSTER TWP. |            |         |
| LATITUDEDD: | 40.20111      |            |         |
| LONGITUDEDD: | -75.06972   |            |         |
| DEPTHTOBED: | 0             |            |         |
| PAGWIS ID: | 42496          |            |         |

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/15/1995 00:00:00

Construction Information:
Construction Date: 02/17/1994 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 17
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 17
Hole Diameter: 8
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Top Of Hole: 17
Bottom Of Hole: 151
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 130
Bottom Open Interval: 150
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/17/1994 00:00:00

Remarks Information:
Remark: LSD - 3.10 TOC
Remark Date: 02/17/1994 00:00:00

Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Type of ground water site: Single well, other than collector or Ranney type
Well depth: 151
Hole depth: 151
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Ground-water levels, Number of Measurements: 1

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<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<tbody>
<tr>
<td>1994-02-18</td>
<td>6.05</td>
<td>5.80</td>
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Note: The site had been pumped recently.

---

Ground-water levels, Number of Measurements: 1

<table>
<thead>
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<tbody>
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<td>1994-02-24</td>
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Note: The site had been pumped recently.
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<tr>
<td>Site name:</td>
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<td>Latitude:</td>
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<tr>
<td>Longitude:</td>
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</tr>
<tr>
<td>Dec lon:</td>
<td>-75.06822619</td>
</tr>
<tr>
<td>Coor accr:</td>
<td>S</td>
</tr>
<tr>
<td>Dec latlong datum:</td>
<td>NAD83</td>
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<tr>
<td>State:</td>
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<td>Altitude:</td>
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<td>Topographic:</td>
<td>Valley flat</td>
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<tr>
<td>Date inventoried:</td>
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<td>Mean greenwich time offset:</td>
<td>EST</td>
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<tr>
<td>Local standard time flag:</td>
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<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer:</td>
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<td>Source of depth data:</td>
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<td>Daily flow data end date:</td>
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<td>Peak flow data begin date:</td>
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<td>Peak flow data count:</td>
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<td>Water quality data end date:</td>
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<td>Ground water data begin date:</td>
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<td>Ground-water levels, Number of Measurements:</td>
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<th>Feet to</th>
<th>Surface</th>
<th>Sealevel</th>
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Note: The site had been pumped recently.

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<td>S</td>
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<td>Valley flat</td>
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<td>19950615</td>
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<td>Mean greenwich time offset:</td>
<td>EST</td>
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</tbody>
</table>
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 122.5 Hole depth: 125
Source of depth data: reporting agency (generally USGS) Project number: 444223500
Real time data flag: 0
Daily flow data end date: 0000-00-00 Daily flow data begin date: 0000-00-00
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00 Water quality data count: 0
Ground water data begin date: 1994-03-02 Ground water data end date: 1994-03-02
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<td>18.1</td>
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Note: The site had been pumped recently.

---

AO189
WNW
1/2 - 1 Mile
Lower

WELLID: 401211075040702 LOCALWELLN: BK 2589
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELLDEPTH: 202
ELEVATION: 328
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATEDCREATE: Not Reported DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20306
LONGTITUDED: -75.06861
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42515

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/15/1995 00:00:00

Construction Information:
Construction Date: 02/18/1994 00:00:00
Driller: 0330
Source Cons Data: REPORTED
Method Cons: AIR ROTARY
Finish: SCREEN
Casing Information:
Top Of Casing: 0
Bottom Of Casing: 18.5
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 18.5
Top Of Hole: 14
Bottom Of Hole: 205
Hole Diameter: 8
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/18/1994 00:00:00

Remarks Information:
Remark: LSD 2.0 TOC
Remark Date: 02/28/1994 00:00:00
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42514

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/15/1995 00:00:00

Construction Information:
Construction Date: 03/01/1994 00:00:00
Driller: 0330
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 14
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 14
Hole Diameter: 8
Top Of Hole: 14
Bottom Of Hole: 125
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 75
Bottom Open Interval: 95
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
AA P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/01/1994 00:00:00

Remarks Information:
Remark: LSD -2.0 TOC
Remark Date: 03/02/1994 00:00:00
Well ID: 5339N
Owner's Name: HOMES BY ASTERLING
Latitude: 401117
Quadrangle: HATBORO
Hydrologic Unit: 02040201
Water Usage: DOMESTIC
Well Depth: 110
Casing 1: 36
Casing 2: Not Reported
Grouted: Not Reported
Static Water Level: 30
Yield (gpm): 20
Drawdown: 40
Bedrock: 30
Water Bearing Zone 1: 48
Water Bearing Zone 2: 97
Municipality: WARMINSTER
Aquifer: STOCKTON FORMATION

Location:
- County: BUCKS
- Longitude: 750357
- Lat/Long Accuracy: ACCURATE TO +1 MINUTE
- Topographic Setting: HILLSIDE
- Site Usage: Not Reported
- Finish: Not Reported
- Casing1 Diameter(inches): 6
- Casing2 Diameter(inches): Not Reported
- Date Drilled: 7-18-73
- Production WL: 70
- Test Time: 2
- Driller: 331
- Water Bearing Zone 2: 77
- Lithology: SHALE
- Remark: TEST YIELD METHOD=WEIR

Construction Information:
- Construction Date: 07/18/1973 00:00:00
- Driller: 331
- Source Cons Data: DRILLER'S RECORD
- Method Cons: Not Reported
- Finish: Not Reported
**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 36
- Casing: Not Reported
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

**Geohydrologic Information:**
- AAPG: 231SCKN
- Lithology: SH
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: Not Reported
- Water Use: DOMESTIC

**Owner Information:**
- Owner: HOMES BY ASTERLING
- Date Ownership: Not Reported

**Remarks Information:**
- Remark: TEST YIELD METHOD=WEIR
- Remark Date: Not Reported

---

**AN193**

**SW**

1/2 - 1 Mile

**Lower**

<table>
<thead>
<tr>
<th>WELLID:</th>
<th>LOCALWELLN:</th>
</tr>
</thead>
<tbody>
<tr>
<td>401117075035701</td>
<td>BK 1068</td>
</tr>
</tbody>
</table>

**COUNTY:** BUCKS

**AAPG:** 231SCKN

**TOPOGRAPHY:** HILLSIDE

**WELDEPTH:** 110

**ELEVATION:** 340

**ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP

**ACCURACYOF:** 5

**HYDROLOGIC:** 02040202

**LATLONGACCURACY:** ACCURATE TO +1 SECOND

**QUAD:** HATBORO

**TYPEOFSITE:** WELL

**DATECREATE:** Not Reported

**DATEUPDATE:** Not Reported

**DATERELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)

**SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED

**MUNICIPALITY:** WARMINSTER TWP.

**LATITUDEDD:** 40.18806

**LONGITUDED:** -75.06583

**DEPTHTOBED:** 0

**DATEDRILLER:** Not Reported

**PAGWIS ID:** 4980

**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Information:
- Construction Date: 07/18/1973 00:00:00
- Driller: 0331
- Source Cons Data: DRILLER’S RECORD
- Method Cons: AIR ROTARY
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 36
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 110
- Hole Diameter: 6

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

Owner Information:
- Owner: ASTERING
- Date Ownership: 07/18/1973 00:00:00

AN194
SW 1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 1068
Latitude: 401117
Longitude: 0750357
Dec lon: -75.06544853
Coor accr: S
Dec latlong datum: NAD83
District: 42
State: 42
County: 017
Country: US
Land net: Not Reported
Location map: HATBORO
Map scale: 24000
Altitude: 340
Altitude accuracy: 5
Altitude method: M
Hydrologic: Ground-water other than Spring
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Site inventoried: Not Reported
Date construction: 19730718
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 110
Hole depth: Not Reported
Source of depth data: Not Reported
Project number: 444209300
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
<table>
<thead>
<tr>
<th>Ground-water levels. Number of Measurements: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>1978-07-18</td>
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<table>
<thead>
<tr>
<th>AR195</th>
<th>PA WELLS</th>
<th>PA1000000055213</th>
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<tbody>
<tr>
<td>South</td>
<td>1/2 - 1 Mile</td>
<td>Lower</td>
</tr>
<tr>
<td>WELLID: 401104075032001</td>
<td>LOCALWELLN: BK 986</td>
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<tr>
<td>COUNTY: BUCKS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AAPG: 23ISCKN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOPOGRAPHY: HILLSIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELDEPTH: 682</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELEVATION: 285</td>
<td></td>
<td></td>
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<tr>
<td>ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP</td>
<td></td>
<td></td>
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<tr>
<td>ACCURACYOF: 5</td>
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<td></td>
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<tr>
<td>HYDROLOGIC: 02040202</td>
<td></td>
<td></td>
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<tr>
<td>LATLONGACCURACY: ACCURATE TO +1 SECOND</td>
<td></td>
<td></td>
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<tr>
<td>QUAD: HATBORO</td>
<td></td>
<td></td>
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<tr>
<td>TYPEOFSITE: WELL</td>
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<td></td>
</tr>
<tr>
<td>DATECREATE: Not Reported</td>
<td></td>
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</tr>
<tr>
<td>DATEUPDATE: Not Reported</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUNICIPALITY: UPPER SOUTHAMPTON TWP.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LATITUDEDD: 40.18444</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LONGITUDE: -75.05556</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEPTHTOBED: 0</td>
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<td></td>
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<tr>
<td>DATEDRILLE: Not Reported</td>
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<td></td>
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<tr>
<td>PAGWIS ID: 7062</td>
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<td></td>
</tr>
</tbody>
</table>

Agency Use Section:
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported

Construction Information:
- Construction Date: 01/01/1963 00:00:00
- Driller: 1
- Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
- Method Cons: HYDRAULIC ROTARY
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Casing Wall Thickness: Not Reported
- Bottom Of Casing: 56
- Casing Diameter: 10
- Casing: STEEL
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 44  Casing Diameter: 14
Casing: STEEL

Hole Information:
Top Of Hole: 0  Hole Diameter: 10
Bottom Of Hole: 682

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Production Information:
Discharge Type: PUMPED
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: 122  SWL: 21.1884059906006
W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: 198  Drawdown: Not Reported
Spec Cap: 0.68999997615814  Test Length: 48
Site Status W L Meas: Not Reported
Date Discharged: 02/07/1964 00:00:00

Owner Information:
Owner: UPPER SOUTHAMPTON AUTH
Date Ownership: 01/01/1963 00:00:00

Other ID Information:
Other Identifier: 8  Other I D Assignor: OWNER PA
Other Identifier: D-64-52  Other I D Assignor: DRBC
Other Identifier: 222  Other I D Assignor: BUCKS CO

AS196
WW
1/2 - 1 Mile
Lower
WELLID: 401209075041001  LOCALWELLN: BK 2594
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELLDEPTH: 103
ELEVATION: 340
ELEVMETHOD: Not Reported
ACCURACOF: 5
HYDROLOGIC: 02040201

TC1761930.2s  Page A-190
**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/16/1995 00:00:00

**Construction Information:**
- **Construction Date:** 02/21/1994 00:00:00
- **Driller:** 0330
- **Source Cons Data:** PRIVATE/UNIV GEOLOGIST (CONSULTANT)
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 15
- **Casing:** STEEL
- **Casing Diameter:** 6
- **Casing Wall Thickness:** Not Reported

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 15
- **Hole Diameter:** 8
- **Top Of Hole:** 15
- **Bottom Of Hole:** 105
- **Hole Diameter:** 6

**Screen Opening Information:**
- **Top Open Interval:** 30
- **Bottom Open Interval:** 50
- **Diameter Open Interval:** 2
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

**Geohydrologic Information:**
- **A A P G:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 02/21/1994 00:00:00
### Hole Information:

<table>
<thead>
<tr>
<th>Top Of Hole</th>
<th>Bottom Of Hole</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>161</td>
</tr>
</tbody>
</table>

### Casing Information:

<table>
<thead>
<tr>
<th>Top Of Casing</th>
<th>Bottom Of Casing</th>
<th>Casing Diameter</th>
<th>Casing Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>14</td>
<td>6</td>
<td>Not Reported</td>
</tr>
</tbody>
</table>

### Remarks Information:

<table>
<thead>
<tr>
<th>Remark</th>
<th>Remark Date</th>
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</thead>
<tbody>
<tr>
<td>LSD -1.5 TOC</td>
<td>02/22/1994 00:00:00</td>
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### Agency Use Section:

<table>
<thead>
<tr>
<th>Agency Use of Site</th>
<th>Agency Use Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBSERVATION</td>
<td>06/16/1995 00:00:00</td>
</tr>
</tbody>
</table>

### Construction Information:

<table>
<thead>
<tr>
<th>Construction Date</th>
<th>Driller</th>
<th>Source Cons Data</th>
<th>Method Cons</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>02/15/1994 00:00:00</td>
<td>0330</td>
<td>USGS OR PAGS</td>
<td>AIR ROTARY</td>
<td>SCREEN</td>
</tr>
</tbody>
</table>

### Casing Information:

<table>
<thead>
<tr>
<th>Casing Diameter</th>
<th>Casing Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Not Reported</td>
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### Hole Information:

<table>
<thead>
<tr>
<th>Hole Diameter</th>
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<tbody>
<tr>
<td>8</td>
</tr>
<tr>
<td>6</td>
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### Remarks Information:

<table>
<thead>
<tr>
<th>Remark</th>
<th>Remark Date</th>
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<tbody>
<tr>
<td>LSD -1.5 TOC</td>
<td>02/22/1994 00:00:00</td>
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### Agency Use Section:

<table>
<thead>
<tr>
<th>Agency Use of Site</th>
<th>Agency Use Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBSERVATION</td>
<td>06/16/1995 00:00:00</td>
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</table>

### Construction Information:

<table>
<thead>
<tr>
<th>Construction Date</th>
<th>Driller</th>
<th>Source Cons Data</th>
<th>Method Cons</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>02/15/1994 00:00:00</td>
<td>0330</td>
<td>USGS OR PAGS</td>
<td>AIR ROTARY</td>
<td>SCREEN</td>
</tr>
</tbody>
</table>

### Casing Information:

<table>
<thead>
<tr>
<th>Casing Diameter</th>
<th>Casing Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Not Reported</td>
</tr>
</tbody>
</table>
Screen Opening Information:
- Top Open Interval: 145
- Bottom Open Interval: 155
- Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/15/1994 00:00:00

Remarks Information:
- Remark: LSD - 2.0 TOC
- Remark Date: 02/15/1994 00:00:00

AS198
WNW 1/2 - 1 Mile
1/2 - 1 Mile
Agency cd: USGS
Site name: BK 2594
Latitude: 401209
Longitude: 0750410
Dec lon: 40.2026086
Dec lat: 40.2026086
Coor meth: M
Coor acc: S
Dec latlong datum: NAD83
District: 42
State: 42
County: 017
Country: US
Land net: Not Reported
Location map: HATBORO
Map scale: 24000
Altitude: 340
Altitude accuracy: 5
Altitude method: M
Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring
Date construction: 19940221
Date inventoried: 19950616
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 103
Hole depth: 105
Source of depth data: geologist
Project number: 444223500
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1994-02-24
Ground water data end date: 1994-02-24

Remarks Information:
- Remark: LSD - 2.0 TOC
- Remark Date: 02/15/1994 00:00:00

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/15/1994 00:00:00

Remarks Information:
- Remark: LSD - 2.0 TOC
- Remark Date: 02/15/1994 00:00:00

ADD INFORMATION

Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1994-02-24
Ground water data end date: 1994-02-24
Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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</thead>
<tbody>
<tr>
<td>1994-02-24</td>
<td>12.75</td>
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</tr>
</tbody>
</table>

Note: The site had been pumped recently.

AS199
WNW
1/2 - 1 Mile
Lower

Agency cd: USGS  Site no: 401209075041002
Site name: BK 2595
Latitude: 401209
Longitude: 0750410
Dec lon: -75.06905955
Coo accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 340
Altitude accuracy: 5
Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1994-02-16</td>
<td>14.23</td>
<td></td>
</tr>
</tbody>
</table>

Note: The site had been pumped recently.
<table>
<thead>
<tr>
<th>Agency cd: USGS</th>
<th>Site no: 401144075041602</th>
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</thead>
<tbody>
<tr>
<td>Site name: BK 2660</td>
<td></td>
</tr>
<tr>
<td>Latitude: 401144</td>
<td></td>
</tr>
<tr>
<td>Longitude: 0750416</td>
<td>Dec lat: 40.19566428</td>
</tr>
<tr>
<td>Dec lon: -75.07072636</td>
<td>Coor meth: M</td>
</tr>
<tr>
<td>Coor accr: S</td>
<td>Latlong datum: NAD27</td>
</tr>
<tr>
<td>Dec latlong datum: NAD83</td>
<td>District: 42</td>
</tr>
<tr>
<td>State: 42</td>
<td>County: 017</td>
</tr>
<tr>
<td>Country: US</td>
<td>Land net: Not Reported</td>
</tr>
<tr>
<td>Location map: HATBORO</td>
<td>Map scale: 24000</td>
</tr>
<tr>
<td>Altitude: 350</td>
<td>Altitude method: M</td>
</tr>
<tr>
<td>Altitude accuracy: 5</td>
<td>Altitude datum: NGVD29</td>
</tr>
<tr>
<td>Topographic: Hilltop</td>
<td></td>
</tr>
<tr>
<td>Site type: Ground-water other than Spring</td>
<td>Date construction: 19940707</td>
</tr>
<tr>
<td>Date inventoried: 19940718</td>
<td>Mean greenwich time offset: EST</td>
</tr>
<tr>
<td>Local standard time flag: Y</td>
<td></td>
</tr>
<tr>
<td>Type of ground water site: Single well, other than collector or Ranney type</td>
<td></td>
</tr>
<tr>
<td>Aquifer Type: Unconfined single aquifer</td>
<td></td>
</tr>
<tr>
<td>Aquifer: STOCKTON FORMATION</td>
<td></td>
</tr>
<tr>
<td>Well depth: 150</td>
<td>Hole depth: Not Reported</td>
</tr>
<tr>
<td>Source of depth data: logs</td>
<td>Project number: 444223500</td>
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<tr>
<td>Real time data flag: Not Reported</td>
<td></td>
</tr>
<tr>
<td>Daily flow data end date: Not Reported</td>
<td>Daily flow data count: Not Reported</td>
</tr>
<tr>
<td>Peak flow data end date: Not Reported</td>
<td>Peak flow data end date: Not Reported</td>
</tr>
<tr>
<td>Water quality data end date: Not Reported</td>
<td>Water quality data count: Not Reported</td>
</tr>
<tr>
<td>Ground water data end date: Not Reported</td>
<td>Ground water data count: Not Reported</td>
</tr>
</tbody>
</table>

Ground water data count: 0
### AT202

**Site name:** BK 2661  
**Latitude:** 401144  
**Longitude:** 0750416  
**Dec lon:** -75.07072636  
**Dec lat:** 40.19566428  
**Coor meth:** M  
**Latlong datum:** NAD27  
**District:** 42  
**County:** 017  
**Country:** US  
**Location map:** HATBORO  
**Altitude:** 350  
**Altitude accuracy:** 5  
**Altitude method:** M  
**Altitude datum:** NGVD29  
**Hydrologic:** Lower Delaware, New Jersey, Pennsylvania. Area = 1050 sq.mi.  
**Topographic:** Hilltop  
**Site type:** Ground-water other than Spring  
**Date inventoried:** 19940718  
**Date construction:** 19940708  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** Unconfined single aquifer  
**Aquifer:** STOCKTON FORMATION  
**Well depth:** 65  
**Hole depth:** Not Reported  
**Source of depth data:** logs  
**Project number:** 444223500  
**Real time data flag:** Not Reported  
**Daily flow data begin date:** Not Reported  
**Daily flow data end date:** Not Reported  
**Peak flow data begin date:** Not Reported  
**Peak flow data end date:** Not Reported  
**Peak flow data count:** Not Reported  
**Water quality data begin date:** Not Reported  
**Water quality data end date:** Not Reported  
**Water quality data count:** Not Reported  
**Ground water data begin date:** Not Reported  
**Ground water data end date:** Not Reported  
**Ground water data count:** Not Reported  

Ground-water levels, Number of Measurements: 0

### AO203

**Site name:** BK 2663  
**Latitude:** 401213  
**Longitude:** 0750408  
**Dec lon:** -75.06850397  
**Dec lat:** 40.2037197  
**Coor meth:** M  
**Latlong datum:** NAD27  
**District:** 42  
**County:** 017  
**Country:** US  
**Location map:** HATBORO  

Ground-water levels, Number of Measurements: 0
Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 330  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19940902  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 175  Hole depth: Not Reported
Source of depth data: logs  Project number: 444223500
Real time data flag: Not Reported  Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported  Daily flow data count: Not Reported
Peak flow data begin date: Not Reported  Peak flow data end date: Not Reported
Peak flow data count: Not Reported  Water quality data begin date: Not Reported
Water quality data end date: Not Reported  Water quality data count: Not Reported
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Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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Ground-water levels, Number of Measurements: 0

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Ground-water levels, Number of Measurements: 0
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 82 Hole depth: 85
Source of depth data: reporting agency (generally USGS) Project number: 444223500
Real time data flag: 0
Daily flow data end date: 0000-00-00 Daily flow data begin date: 0000-00-00
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00 Water quality data begin date: 0000-00-00
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Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.

AU207
NW
1/2 - 1 Mile
Lower

Agency cd: USGS Site no: 401217075040502
Site name: BK 2591
Latitude: 401217
Longitude: 0750405 Dec lat: 40.20483079
Dec ion: -75.06767059 Coor meth: M
Coor acc: S Latlong datum: NAD27
Dec latlong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 305 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring Date construction: 19940302
Date inventoried: 19950615 Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 142 Hole depth: 145
Source of depth data: reporting agency (generally USGS) Project number: 444223500
Real time data flag: 0
Daily flow data end date: 0000-00-00 Daily flow data begin date: 0000-00-00
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00 Water quality data begin date: 0000-00-00
Ground water data end date: 1994-03-04 Ground water data begin date: 1994-03-04
Ground water data count: 1
### Ground-water levels

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Note: The site had been pumped recently.

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### Source Depth Data

FIELD CHECKED BY REPORTING AGENCY (PaDaG pest. survey)

### Agency Use Information

Agency Use of Site: OBSERVATION
Agency Use Date: 06/15/1995 00:00:00

### Construction Information

Construction Date: 03/02/1994 00:00:00
Driller: 1
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN

### Casing Information

- **Top Of Casing:** 0
- **Bottom Of Casing:** 20
- **Casing Diameter:** Not Reported
- **Casing Wall Thickness:** Not Reported
- **Casing:** STEEL

### Hole Information

- **Top Of Hole:** 0
- **Bottom Of Hole:** 20
- **Hole Diameter:** 8
Top Of Hole: 8  
Bottom Of Hole: 145  
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 26  
Bottom Open Interval: 49  
Diameter Open Interval: 2  
Open Interval Material: PLASTIC  
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM  
Lithology: Not Reported  
Contributing Unit: PRIMARY  
Top Of Interval: Not Reported  
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION  
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER  
Date Ownership: 03/02/1994 00:00:00

Remarks Information:
Remark: LSD = 0.8  
Remark Date: 03/02/1994 00:00:00

Other ID Information:
Other Identifier: HN-25-S  
Other I D Assignor: OWNER PA

AU209 NW 1/2 - 1 Mile Lower

Agency cd: USGS  
Site name: BK 2676  
Latitude: 401216  
Longitude: 0750406  
Dec lon: -75.06794838  
Coor accr: S  
Dec latlong datum: NAD83  
State: 42  
Country: US  
Location map: HATBORO  
Altitude: 315  
Altitude accuracy: 5  
Topographic: Hillside (slope)  
Site type: Ground-water other than Spring  
Date inventoried: 19941214  
Local standard time flag: Y  
Type of ground water site: Single well, other than collector or Ranney type  
Well depth: 149.5  
Source of depth data: logs  
Real time data flag: Not Reported  
Daily flow data end date: Not Reported  
Peak flow data begin date: Not Reported

TC1761930.2s Page A-201
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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Ground-water levels, Number of Measurements: 0

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**AV210**

**WSW**

1/2 - 1 Mile

Lower

WELLID: 401137075041501  LOCALWELLN: BK 1060

**COUNTY:** BUCKS

**AAPG:** 231SCKN

**TOPOGRAPHY:** HILLSIDE

**WELLDEPTH:** 115

**ELEVATION:** 345

**ELEV METHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP

**ACCURACY:** 5

**HYDROLOGIC:** 02040201

**LAT/LONG ACCURACY:** ACCURATE TO +1 SECOND

**QUAD:** HATBORO

**TYPE OF SITE:** WELL

**DATE CREATE:** Not Reported  **DATE UPDATE:** Not Reported

**SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED

**MUNICIPALITY:** WARMINSTER TWP.

**LATITUDE:** 40.19361

**LONGITUDE:** -75.07083

**DEPTH TO BED:** 0

**DATEREUILLE:** Not Reported

**PAGWIS ID:** 5006

**Agency Use Section:**

**Agency Use of Site:** OBSERVATION

**Agency Use Date:** Not Reported

**Construction Information:**

**Construction Date:** 01/01/1963 00:00:00

**Driller:** 0521

**Source Cons Data:** WELL OWNER

**Method Cons:** OTHER/UNKNOWN

**Finish:** OPEN HOLE

**Casing Information:**

**Top Of Casing:** 0  **Casing Wall Thickness:** Not Reported

**Bottom Of Casing:** 60  **Casing Diameter:** 6

**Casing:** STEEL

**Hole Information:**

**Top Of Hole:** 0

**Bottom Of Hole:** 115  **Hole Diameter:** 6
Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: PASSMORE, BARRY
Date Ownership: 01/01/1972 00:00:00

AV211
WSW 1/2 - 1 Mile
Lower

Agency cd: USGS  Site no: 401137075041501
Site name: BK 1060
Latitude: 401137
Longitude: 0750415  Dec lat: 40.19371987
Dec lon: -75.0704486  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 345  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring  Date construction: 19630101
Date inventoried: Not Reported  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 115  Hole depth: Not Reported
Source of depth data: Not Reported  Project number: 444209300
Real time data flag: 0  Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00  Daily flow data count: 0
Peak flow data begin date: 0000-00-00  Peak flow data end date: 0000-00-00
Peak flow data count: 0  Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00  Water quality data count: 0
Ground water data begin date: 1978-09-11  Ground water data end date: 1978-09-11
Ground water data count: 1

Ground-water levels, Number of Measurements: 1
Feet below Surface  Feet to Sealevel

1978-09-11 21.30
### Map ID
- **AV212**
- **WSW**
- **1/2 - 1 Mile**
- **Lower**

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**Agency Use Section:**
- **Agency Use of Site:** 1
- **Agency Use Date:** Not Reported

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 60
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6
- **Casing:** STEEL

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 115
- **Hole Diameter:** 6

**Geohydrologic Information:**
- **AAPG:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** UNUSED
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** PASSMORE, BARRY
- **Date Ownership:** 01/01/1972 00:00:00

---

**PA WELLS**  | **PA1000000056389**
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

#### Other ID Information:
- Other Identifier: 2
- Other I D Assignor: OWNER PA

#### Site Information:
- **AV213**
- **WSW**
- **1/2 - 1 Mile Lower**

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#### Other ID Information:
- **AO214**
- **WWNW**
- **1/2 - 1 Mile Lower**

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### Ground-water levels

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**AW215**

**SSE**

*1/2 - 1 Mile*

**Lower***

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AW216
SSE
1/2 - 1 Mile
Lower

WELLID: Not Reported
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 450
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: UPPER SOUTHAMPTON TWP.
LATITUDEEDD: 40.18417
LONGITUDEEDD: -75.05028
DEPTHTOBED: 18
DATEDRILLE: Not Reported
PAGWIS ID: 70084

Construction Information:
Construction Date: 07/06/1982 00:00:00
Driller: 330
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 50
Casing Wall Thickness: Not Reported
Casing Diameter: Not Reported
Casing: Not Reported

Geohydrologic Information:
A A P G: 231SCKN
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: UNUSED
Water Use: PUBLIC SUPPLY

Owner Information:
Owner: UPPER SOUTHAMPTON TW
Date Ownership: Not Reported
**AX217**

**East**

1/2 - 1 Mile Lower

**LOCALWELLN:** BK 933

**WELLID:** 401147075020801

**COUNTY:** BUCKS

**AAPG:** 231SCKN

**TOPOGRAPHY:** VALLEY FLAT

**WELDEPTH:** 608

**ELEVATION:** 275

**ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP

**ACCURACYOF:** 5

**HYDROLOGIC:** 02040202

**LATLONACCURACY:** ACCURATE TO +1 SECOND

**QUAD:** HATBORO

**TYPEOFSITE:** WELL

**DATECREATE:** Not Reported

**DATEUPDATE:** Not Reported

**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)

**SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED

**MUNICIPALITY:** NORTHAMPTON TWP.

**LATITUDEDD:** 40.19667

**LONGITUDE:** -75.03722

**DEPTHTOBED:** 0

**DATEDRILLE:** Not Reported

**PAGWIS ID:** 5014

**Agency Use Section:**

**Agency Use of Site:** OBSERVATION

**Agency Use Date:** Not Reported

**Construction Information:**

**Construction Date:** 01/01/1963 00:00:00

**Driller:** 1

**Source Cons Data:** AGENCY OTHER THAN USGS OR PAGS

**Method Cons:** OTHER/UNKNOWN

**Finish:** UNKNOWN

**Casing Information:**

**Top Of Casing:** 0

**Casing Wall Thickness:** Not Reported

**Casing Diameter:** 8

**Bottom Of Casing:** 31

**Casing:** UNKNOWN

**Top Of Casing:** 9

**Casing Wall Thickness:** Not Reported

**Casing Diameter:** 12

**Bottom Of Casing:** 19.5

**Casing:** UNKNOWN

**Hole Information:**

**Top Of Hole:** 0

**Hole Diameter:** 8

**Bottom Of Hole:** 245
### Geohydrologic Information:

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<tr>
<td>Bottom Of Interval:</td>
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### Water Use Information:

- **Site Use:** WITHDRAWAL
- **Water Use:** PUBLIC SUPPLY

### Owner Information:

- **Owner:** NORTHAMPTON AUTH
- **Date Ownership:** 12/31/1963 00:00:00

### Other ID Information:

- **Other Identifier:** 1, Other I D Assignor: OWNER PA
- **Other Identifier:** BK-137, Other I D Assignor: DRBC-PA
- **Other Identifier:** D-65-165 CP, Other I D Assignor: DRBC

### Well Information:

- **WELLID:** 401212075041101
- **LOCALWELLN:** BK 2602
- **COUNTY:** BUCKS
- **AAPG:** 231SCKNM
- **TOPOGRAPHY:** VALLEY FLAT
- **WELDEPTH:** 103
- **ELEVATION:** 328
- **ELEVATION METHOD:** Not Reported
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040201
- **LATLONACCURACY:** Not Reported
- **QUAD:** HATBoro
- **TYPEofsITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATA RELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** USGS OR PAGS
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDEDD:** 40.20333
- **LONGITUDEED:** -75.06972
- **DEPTHTOBED:** 0
- **DATEDRILLE:** Not Reported
- **PAGWIS ID:** 42516

### Agency Use Section:

- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/16/1995 00:00:00
Construction Information:
- Construction Date: 02/16/1994 00:00:00
- Driller: 0330
- Source Cons Data: REPORTED
- Method Cons: AIR ROTARY
- Finish: SCREEN

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 15
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 15
- Hole Diameter: 8
- Top Of Hole: 15
- Bottom Of Hole: 103
- Hole Diameter: 6

Screen Opening Information:
- Top Open Interval: 90
- Bottom Open Interval: 100
- Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/16/1994 00:00:00

Remarks Information:
- Remark: LSD- 2.0 TOC
- Remark Date: 02/17/1994 00:00:00

---

AS219  
WNW  
1/2 - 1 Mile  
Lower

Agency cd: USGS  
Site name: BK 2602  
Latitude: 401212  
Longitude: 0750411  
Dec Ion: -75.06933733  
Coor accr: S  
Dec latlong datum: NAD83  
State: 42  
Country: US  
Location map: HATBORO  
Site no: 401212075041101  
Dec lat: 40.20344192  
Coor meth: M  
Latlong datum: NAD27  
District: 42  
County: 017  
Land net: Not Reported  
Map scale: 24000
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 328
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19950616
Date construction: 19940216
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 103
Hole depth: 103
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data end date: 0000-00-00
Water quality data end date: 0000-00-00
Ground water data end date: 1994-02-17
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date Surface Sealevel
1994-02-17 16.30
Note: The site had been pumped recently.

AY220
NNE 1/2 - 1 Mile Lower

WELLID: 401234075025401 LOCALWELLN: BK 1092
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 0
ELEVATION: 330
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBoro
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: NORTHAMPTON TWP.
LATITUDEEDD: 40.20944
LONGITUDE: -75.04833
DEPTHTOSED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5070
Agency Use Section:
  Agency Use of Site: OBSERVATION
  Agency Use Date: Not Reported

Casing Information:
  Top Of Casing: 0
  Bottom Of Casing: 15
  Casing: STEEL
  Casing Wall Thickness: Not Reported
  Casing Diameter: 6

Hole Information:
  Top Of Hole: 0
  Bottom Of Hole: 15
  Hole Diameter: 8

  Top Of Hole: 15
  Bottom Of Hole: 103
  Hole Diameter: 6

Screen Opening Information:
  Top Open Interval: 90
  Bottom Open Interval: 100
  Diameter Open Interval: 2
  Open Interval Material: PLASTIC
  Opening: SCREEN

Geohydrologic Information:
  A A P G: 231SCKN
  Lithology: UNKNOWN
  Contributing Unit: PRIMARY
  Top Of Interval: Not Reported
  Bottom Of Interval: Not Reported

Water Use Information:
  Site Use: WITHDRAWAL
  Water Use: DOMESTIC

Production Information:
  Discharge Type: Not Reported
  Data Source: Not Reported
  Discharge Meas Method: Not Reported
  Discharge: Not Reported
  SWL: 10.3000001907349
  W L Data Source: S
  W L Meas Method: STEEL TAPE
  Prod W L: Not Reported
  Drawdown: Not Reported
  Spec Cap: Not Reported
  Test Length: Not Reported
  Site Status W L Meas: STATIC WATER LEVEL
  Date Discharged: 06/18/1979 00:00:00

Owner Information:
  Owner: EISENHARD, C
  Date Ownership: 01/01/1979 00:00:00
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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<td>330</td>
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<td>Altitude accuracy</td>
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<tr>
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<td>Ground-water other than Spring</td>
</tr>
<tr>
<td>Date inventoried</td>
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</tr>
<tr>
<td>Local standard time flag</td>
<td>Y</td>
</tr>
<tr>
<td>Type of ground water site</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer Type</td>
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<td>STOCKTON FORMATION</td>
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<tr>
<td>Source of depth data</td>
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<tr>
<td>Real time data flag</td>
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<tr>
<td>Daily flow data end date</td>
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<tr>
<td>Peak flow data begin date</td>
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*Ground-water levels, Number of Measurements: 1*

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**AU222**

**WNW**

1/2 - 1 Mile

Lower

**WELLID:** Not Reported

**COUNTY:** BUCKS

**AAPG:** 231SCKN

**TOPOGRAPHY:** HILLSIDE

**WELDEPTH:** 400

**ELEVATION:** 0

**ELEVMETHOD:** Not Reported

**ACCURACYOF:** Not Reported

**HYDROLOGIC:** 02040201

**LATLONGACCURACY:** ACCURATE TO +1 MINUTE

**QUAD:** HATBORO

**TYPEOFSITE:** WELL

**DATECREATE:** Not Reported

**DATEUPDATE:** Not Reported

**DATARELIABILITY:** LOCATION MAY NOT BE ACCURATE (WWI paper)

**SOURCE DEPTH DATA:** DRILLER'S RECORD

**MUNICIPALITY:** WARMINSTER TWP.

**LATITUDEEDD:** 40.20417

**LONGITUDED:** -75.06917

---

PA WELLS  PA1000000058016
### Construction Information:
- **Construction Date:** 02/01/1980 00:00:00
- **Driller:** 330
- **Source Cons Data:** DRILLER’S RECORD
- **Method Cons:** Not Reported
- **Finish:** OPEN HOLE

### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 50
- **Casing:** Not Reported
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 8

### Geohydrologic Information:
- **A A P G:** 231SCKN
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** TEST
- **Water Use:** PUBLIC SUPPLY

### Owner Information:
- **Owner:** WARMINSTER AUTHORITY
- **Date Ownership:** Not Reported

### Remarks Information:
- **Remark:** TEST YIELD METHOD=WEIR
- **Remark Date:** Not Reported

---

### AZ223
**SSW**
1/2 - 1 Mile
**Lower**

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<th>Owner's Name</th>
<th>County</th>
<th>Latitude</th>
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<th>Hydrologic Unit</th>
<th>Water Usage</th>
<th>Well Depth</th>
<th>Casing 1</th>
<th>Casing2</th>
<th>Grouted</th>
<th>Static Water Level</th>
<th>Yield (gpm)</th>
<th>Drawdown</th>
<th>Bedrock</th>
<th>Water Bearing Zone 1</th>
<th>Water Bearing Zone 2</th>
<th>Water Bearing Zone 3</th>
<th>Municipality</th>
<th>Aquifer</th>
<th>Remark</th>
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<td>0.5</td>
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<td>4</td>
<td>9</td>
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<td>WARMINSTER</td>
<td>STOCKTON FORMATION</td>
<td>OWNER=ENVIRONMENTAL</td>
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Map ID: AZ224
Direction: SSW
Distance: 1/2 - 1 Mile
Elevation: Lower
Database: PA WELLS
EDR ID Number: PA1000000055171

WELLID: Not Reported
LOCALWELLN: 5321N

COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 26
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER'S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.18417
LONGITUDEDD: -75.05944
DEPTHTOBED: 4
DATEDRILLE: Not Reported
PAGWIS ID: 65048

Construction Information:
Construction Date: 08/01/1984 00:00:00
Driller: 188
Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 22
Casing Wall Thickness: Not Reported
Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SH
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: Not Reported

Remarks Information:
Remark: OWNER=ENVIRONMENTAL RESOURCES MGMT.; MONITORING WELL
Remark Date: Not Reported
Well ID: 5333N
Owner's Name: WARMINSTER
County: Bucks
Latitude: 401101
Longitude: 750409
Quadrangle: HATBORO
Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Hydrologic Unit: 02040201
Topographic Setting: HILLSIDE
Water Usage: PUBLIC SUPPLY
Site Usage: TEST
Well Depth: 400
Finish: OPEN HOLE
Casing 1: 50
Casing 1 Diameter(inches): 8
Casing2: Not Reported
Casing2 Diameter(inches): Not Reported
Grounted: Not Reported
Date Drilled: 2-80
Static Water Level: Not Reported
Production WL: Not Reported
Yield (gpm): 40
Yield Measurement Method: Not Reported
Drawdown: Not Reported
Test Time: Not Reported
Bedrock: Not Reported
Driller: 330
Water Bearing Zone 1: Not Reported
Water Bearing Zone 2: Not Reported
Water Bearing Zone 3: Not Reported
Municipality: WARMINSTER
Aquifer: STOCKTON FORMATION

Agency cd: USGS
Site no: 401101075032301
Latitude: 40.05600387
Coor accr: S
Coor meth: M
Dec lat: 40.1837201
Country: US
Dec Ion: -75.05600387
Distrtict: 42
NAD83
County: 017
Location map: HATBORO
Map scale: 24000
State: 42
Land net: Not Reported
Altitude: 250
Latitude method: M
Altitude accuracy: 5
Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date constructed: Not Reported
Date inventoried: Not Reported
Mean greenwich time offset: EST
Well depth: Not Reported
Hole depth: Not Reported
Source of depth data: Not Reported
Project number: 444209300
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported
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<th><strong>GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS</strong></th>
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| **Ground-water levels, Number of Measurements:** | 0 |

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<th><strong>AR227</strong></th>
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<tbody>
<tr>
<td><strong>South</strong></td>
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<td><strong>1/2 - 1 Mile</strong></td>
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<tr>
<td><strong>Lower</strong></td>
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<td><strong>AAPG:</strong></td>
<td>231SCKN</td>
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<td><strong>TOPOGRAPHY:</strong></td>
<td>HILLSIDE</td>
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<td><strong>QUAD:</strong></td>
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<td><strong>Agency Use Date:</strong></td>
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<td><strong>Date Ownership:</strong></td>
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Map ID: BA228
Direction: WSW
Distance: 1/2 - 1 Mile
Lower

WELLID: 401133075041601
LOCALWELLN: BK 1043
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLDEPTH: 44
ELEVATION: 345
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATCREATE: Not Reported
DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.1925
LONGITUDED: -75.07111
DEPTHTOBED: 0
DATERDRIlle: Not Reported
PAGWIS ID: 5000

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 0369
Source Cons Data: WELL OWNER
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 12
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 44
Hole Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SANDSTONE AND SHALE
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported
## Water Use Information:
- **Site Use:** WITHDRAWAL
- **Water Use:** DOMESTIC

## Production Information:
- **Discharge Type:** Not Reported
- **Data Source:** Not Reported
- **Discharge Meas Method:** Not Reported
- **Discharge:** Not Reported
- **W L Data Source:** S
- **W L Meas Method:** STEEL TAPE
- **Prod W L:** Not Reported
- **Spec Cap:** Not Reported
- **Site Status W L Meas:** STATIC WATER LEVEL
- **Date Discharged:** 08/29/1978 00:00:00

## Owner Information:
- **Owner:** KING, JOHN
- **Date Ownership:** 01/01/1978 00:00:00

---

### BA229 WSW 1/2 - 1 Mile

**Agency cd:** USGS  **Site no:** 401133075041601  **FED USGS**  **USGS2165423**

**Site name:** BK 1043  **Latitude:** 401133

**Longitude:** 0750416  **Dec lat:** 40.19260878

**Dec Ion:** -75.0707264  **Coor meth:** M

**Coor accr:** S  **Latlong datum:** NAD27

**Dec latlong datum:** NAD83  **District:** 42

**State:** 42  **County:** 017

**Country:** US  **Land net:** Not Reported

**Location map:** HATBORO  **Map scale:** 24000

**Altitude:** 345  **Altitude method:** M

**Altitude accuracy:** 5  **Altitude datum:** NGVD29

**Hydrologic:** Lower Delaware. New Jersey, Pennsylvania. Area = 1050 sq.mi.

**Topographic:** Hillside (slope)

**Site type:** Ground-water other than Spring  **Date construction:** Not Reported

**Date inventoried:** Not Reported  **Mean greenwich time offset:** EST

**Local standard time flag:** Y

**Type of ground water site:** Single well, other than collector or Ranney type

**Aquifer Type:** Not Reported

**Aquifer:** STOCKTON FORMATION

**Well depth:** 44.0  **Hole depth:** Not Reported

**Source of depth data:** Not Reported  **Project number:** 444209300

**Real time data flag:** 0  **Daily flow data begin date:** 0000-00-00

**Daily flow data end date:** 0000-00-00  **Daily flow data count:** 0

**Peak flow data begin date:** 0000-00-00  **Peak flow data end date:** 0000-00-00

**Peak flow data count:** 0  **Water quality data begin date:** 0000-00-00

**Water quality data end date:** 0000-00-00  **Water quality data count:** 0

**Ground water data begin date:** 1978-08-29  **Ground water data end date:** 1978-08-29

**Ground water data count:** 1
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<td>Quadrangle</td>
<td>HATBORO</td>
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<td>Aquifer</td>
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<td>Latitude</td>
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<td>Longitude</td>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTH TO BED: 4
DATEROS: Not Reported
PAGWIS ID: 65047

Construction Information:
- Construction Date: 08/01/1984 00:00:00
- Driller: 188
- Source Cons Data: DRILLER’S RECORD
- Method Cons: Not Reported
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 17
- Casing: Not Reported
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Geohydrologic Information:
- AAPG: 231SCKN
- Lithology: SH
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: TEST
- Water Use: Not Reported

Remarks Information:
- Remark: OWNER=ENVIRONMENTAL RESOURCES MGMT.; MONITORING WELL
- Remark Date: Not Reported

BB232
SW
1/2 - 1 Mile
Lower

WELLID: 401111075035701
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLDEPTH: 129
ELEVATION: 345
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.18639
LONGITUDE: -75.06583
DEPHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 4974

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 17
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: GILLIE, RICHARD
Date Ownership: 06/01/1978 00:00:00

BB233
SW 1/2 - 1 Mile
Lower
Agency cd: USGS
Site name: BK 1044
Longitude: 0750357
Dec Ion: -75.06544856
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 345
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: NOT REPORTED
Aquifer: STOCKTON FORMATION
Well depth: 129
Source of depth data: Not Reported
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported

TC1761930.2s  Page A-222
Ground-water levels, Number of Measurements: 0

BC234  
WNW  
1/2 - 1 Mile  
Lower

WELLID: 401200075041901  LOCALWELLN: BK 2592
COUNTY: BUCKS  
AAPG: 231SCKNM  
TOPOGRAPHY: VALLEY FLAT  
WELLEDPTH: 53  
ELEVATION: 345  
ELEVMETHOD: Not Reported  
ACURACYOF: 5  
HYDROLOGIC: 02040201  
LATLONGACURACY: Not Reported  
QUAD: HATBORO  
TYPESITE: WELL  
DATECREATE: Not Reported  
DATEUPDATE: Not Reported  
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  
SOURCE DEPTH DATA: USGS OR PAGS  
MUNICIPALITY: WARMINSTER TWP.  
LATITUDEDD: 40.2  
LONGITUDE: -75.07194  
DEPTHTOBED: 0  
DATEDRILLE: Not Reported  
PAGWIS ID: 42483  

Agency Use Section:
Agency Use of Site: OBSERVATION  
Agency Use Date: 06/16/1995 00:00:00  

Construction Information:
Construction Date: 02/22/1994 00:00:00  
Driller: 0330  
Source Cons Data: REPORTED  
Method Cons: AIR ROTARY  
Finish: SCREEN  

Casing Information:
Top Of Casing: 0  
Bottom Of Casing: 15  
Casing: STEEL  
Casing Wall Thickness: Not Reported  
Casing Diameter: 6

Hole Information:
Top Of Hole: 0  
Bottom Of Hole: 15.5  
Hole Diameter: 8

Peak flow data count: Not Reported  
Water quality data begin date: Not Reported  
Water quality data end date: Not Reported  
Ground water data begin date: Not Reported  
Ground water data end date: Not Reported  
Ground water data count: Not Reported  
Water quality data count: Not Reported  
Ground water data count: Not Reported  
Water quality data begin date: Not Reported  
Ground water data end date: Not Reported  
Ground water data count: Not Reported  
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Ground water data count: Not Reported  
Water quality data begin date: Not Reported  
Ground water data end date: Not Reported  
Ground water data count: Not Reported  
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Water quality data begin date: Not Reported  
Ground water data end date: Not Reported  
Ground water data count: Not Reported  
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Water quality data begin date: Not Reported  
Ground water data end date: Not Reported  
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Water quality data begin date: Not Reported  
Ground water data end date: Not Reported  
Ground water data count: Not Reported  
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Ground water data count: Not Reported  
Water quality data begin date: Not Reported  
Ground water data end date: Not Reported  
Ground water data count: Not Reported  
Water quality data count: Not Reported  
Ground water data count: Not Reported

TC1761930.2s Page A-223
### Screen Opening Information:
- **Top Open Interval:** 30
- **Bottom Open Interval:** 50
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information:
- **AAPG:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 02/22/1994 00:00:00

### Remarks Information:
- **Remark:** LSD - 1.3 TOC
- **Remark Date:** 02/24/1994 00:00:00

---

### BC235

**WNW**

**1/2 - 1 Mile Lower**

<table>
<thead>
<tr>
<th>WELLID</th>
<th>COUNTY</th>
<th>AAPG</th>
<th>TOPOGRAPHY</th>
<th>WELDEPTH</th>
<th>ELEVATION</th>
<th>ELEVMETHOD</th>
<th>ACCURACYOF</th>
<th>HYDROLOGIC</th>
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<th>QUAD</th>
<th>TYPEOFSITE</th>
<th>DATECREATE</th>
<th>DATEUPDATE</th>
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<tr>
<td>401200075041902</td>
<td>BUCKS</td>
<td>231SCKNM</td>
<td>VALLEY FLAT</td>
<td>201</td>
<td>345</td>
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<td>HATBORO</td>
<td>WELL</td>
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<td>Not Reported</td>
<td>USGS OR PAGS</td>
<td>WARMINSTER TWP.</td>
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<td>-75.07194</td>
<td>0</td>
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Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 02/17/1994 00:00:00
Driller: 0330
Source Cons Data: REPORTED
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 14
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 14
Hole Diameter: 8
Top Of Hole: 6
Bottom Of Hole: 205
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 125
Bottom Open Interval: 145
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/17/1994 00:00:00

Remarks Information:
Remark: LSD 1.4 TOC
Remark Date: 02/22/1994 00:00:00
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

#### Ground-water levels, Number of Measurements: 1

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<th>Feet to Sealevel</th>
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Note: The site had been pumped recently.

---

**BC237**

**WNW**

1/2 - 1 Mile

**FED USGS**

USGS2165128

---

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<td>M</td>
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<td>Coor accr:</td>
<td>S</td>
<td></td>
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<td>42</td>
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<td>Location map:</td>
<td>HATBORO</td>
<td>Map scale:</td>
<td>24000</td>
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<td>Topographic:</td>
<td>Valley flat</td>
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<td>Mean greenwich time offset:</td>
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<td>Type of ground water site:</td>
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<td>Aquifer Type:</td>
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<td>Aquifer:</td>
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<td>Well depth:</td>
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<td>Hole depth:</td>
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<td>Source of depth data:</td>
<td>reporting agency (generally USGS)</td>
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<td>Project number:</td>
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TC1761930.2s Page A-226
Note: The site had been pumped recently.

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Ground-water levels, Number of Measurements: 1

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<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1994-02-24</td>
<td>15.6</td>
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</tr>
</tbody>
</table>
### Geohydrologic Information:

- **AAPG:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Screen Opening Information:

- **Top Open Interval:** 125
- **Bottom Open Interval:** 145
- **Diameter Open Interval:** 2
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Casing Information:

- **Top Of Casing:** 0
- **Bottom Of Casing:** 14
- **Casing Diameter:** 6
- **Casing Wall Thickness:** Not Reported
- **Casing:** STEEL

### Hole Information:

- **Top Of Hole:** 0
- **Bottom Of Hole:** 14
- **Hole Diameter:** 8

- **Top Of Hole:** 6
- **Bottom Of Hole:** 205
- **Hole Diameter:** 6

### Map ID:

- **Direction:** South
- **Distance:** 1/2 - 1 Mile
- **Elevation:** Lower

<table>
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<tr>
<th>Database</th>
<th>EDR ID Number</th>
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</thead>
<tbody>
<tr>
<td>PA WELLS</td>
<td>PA1000000055035</td>
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</table>

### Agency Use Section:

- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

### Other Details:

- **WELLID:** 401100075032601
- **WELLDEPTH:** 0
- **ELEVATION:** 250
- **ELEVATION METHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP
- **HYDROLOGIC:** HATBORO
- **DATE CREATE:** Not Reported
- **DATE UPDATE:** Not Reported
- **DATE DRILL:** 0
- **DEPTHTOSED:** -75.05722
- **LATITUDE DD:** 40.18333
- **LONGITUDE DD:** -75.05722
- **ACCURACY OF INTERPOLATION:** 5
- **ACCURACY OF ELEVATION:** 250
- **METHOD OF ELEVATION DETERMINATION:** ACCURATE TO +1 SECOND
- **WELL ID OF PAGWIS:** Not Reported
- **LOCALWELLN:** BK 1123
- **WELL DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
- **SOIL DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
- **SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
- **SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
- **HILLSIDETOPOGRAPHY:** 231SCKNA APG: BUCKS COUNT
- **BUCKS COUNTY:** 231SCKNA APG: BUCKS COUNT
- **GEOCHECK PHYSICAL SETTING SOURCE MAP FINDINGS:**
- **EDR ID DATABASE:** PA WELLS
- **EDR ID NUMBER:** PA1000000055035
Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: FORNICOLA
Date Ownership: 01/01/1970 00:00:00

AZ240
SSW
1/2 - 1 Mile
Lower

WELLID: Not Reported
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 25
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEREADY: Not Reported
SOURCE DEPTH DATA: DRILLER'S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.18361
LONGITUDEDD: -75.05917
DEPTHTOBED: 3
DATEDRILLE: Not Reported
PAGWIS ID: 65049

Construction Information:
Construction Date: 08/01/1984 00:00:00
Driller: 188
Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing Wall Thickness: Not Reported
Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SH
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported
### Water Use Information:
- **Site Use:** TEST
- **Water Use:** Not Reported

### Remarks Information:
- **Remark:** OWNER=ENVIRONMENTAL RESOURCES MGMT.; MONITORING WELL
- **Remark Date:** Not Reported

---

**Air Grounded water levels, Number of Measurements:** 0

---

**Well ID:** 5322N
- **Owner's Name:** Not Reported
- **Latitude:** 401101
- **Quadrangle:** HATBORO
- **Hydrologic Unit:** 02040201
- **Water Usage:** Not Reported
- **Well Depth:** 25
- **Casing 1:** 20
- **Casing 2:** Not Reported

---

**Well ID:** 241
- **Agency cd:** USGS
- **Site name:** BK 2667
- **Latitude:** 401212
- **Longitude:** 0750414
- **Dec Ion:** -75.07017068
- **Coor acct:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 331
- **Hydrologic:** Lower Delaware. New Jersey, Pennsylvania. Area = 1050 sq.mi.
- **Topographic:** Hillside (slope)
- **Site type:** Ground-water other than Spring
- **Date inventoried:** 19940902
- **Mean greenwich time offset:** EST
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Unconfined single aquifer
- **Aquifer:** STOCKTON FORMATION
- **Well depth:** 85
- **Source of depth data:** geologist
- **Real time data flag:** Not Reported
- **Daily flow data end date:** Not Reported
- **Peak flow data begin date:** Not Reported
- **Peak flow data count:** Not Reported
- **Water quality data end date:** Not Reported
- **Ground water data end date:** Not Reported
- **Ground water data counter:** Not Reported
- **Project number:** 444223500
- **Date construction:** 19920609
- **Hole depth:** Not Reported
- **Mean greenwich time offset:** EST
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Unconfined single aquifer
- **Aquifer:** STOCKTON FORMATION
- **Well depth:** 85
- **Source of depth data:** geologist
- **Real time data flag:** Not Reported
- **Daily flow data end date:** Not Reported
- **Peak flow data begin date:** Not Reported
- **Peak flow data count:** Not Reported
- **Water quality data end date:** Not Reported
- **Ground water data end date:** Not Reported
- **Ground water data counter:** Not Reported
- **Project number:** 444223500
- **Date construction:** 19920609
- **Hole depth:** Not Reported

---

**Well ID:** AZ242
- **Owner's Name:** Not Reported
- **Latitude:** 750333
- **Quadrangle:** HATBORO
- **Hydrologic Unit:** 02040201
- **Water Usage:** Not Reported
- **Well Depth:** 25
- **Casing 1:** 20
- **Casing 2:** Not Reported

---

**Well ID:** SPAW0020472
- **Owner's Name:** Not Reported
- **Latitude:** 750333
- **Quadrangle:** HATBORO
- **Hydrologic Unit:** 02040201
- **Water Usage:** Not Reported
- **Well Depth:** 25
- **Casing 1:** 20
- **Casing 2:** Not Reported
### BE243
**South**
1/2 - 1 Mile
**Lower**

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<td>County</td>
<td>BUCKS</td>
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<td>Longitude</td>
<td>750319</td>
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<td>Hydrologic Unit</td>
<td>02040201</td>
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<td>Water Usage</td>
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<td>Casing 2 Diameter(inches)</td>
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### BE244
**South**
1/2 - 1 Mile
**Lower**

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<tr>
<td>QUAD</td>
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<tr>
<td>TYPEOFSITE</td>
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<tr>
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<td>DRILLER’S RECORD</td>
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<tr>
<td>MUNICIPALITY</td>
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<tr>
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DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 70092

Construction Information:
Construction Date: 10/01/1986 00:00:00
Driller: 1696
Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 5
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 4

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SH
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: MINE
Water Use: INDUSTRIAL

Owner Information:
Owner: TEXACO
Date Ownership: Not Reported

Remarks Information:
Remark: CAS.MAT=PLST;8IN=ASPHT/GRAV;5FT=BRNSAND/GRAV;8=RDSHLE;15=SS
Remark Date: Not Reported

AU245
NW
1/2 - 1 Mile
Lower
Agency cd: USGS
Site name: BK 1130
Latitude: 401219
Longitude: 0750409
Dec lon: -75.06878173
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 300
Altitude accuracy: 5
Topographic: Not Reported
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 400
Hole depth: Not Reported
Source of depth data: Not Reported
Project number: 444209300
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data end date: 1980-02-19

Ground-water levels, Number of Measurements: 1

Date  Surface  Sealevel
1980-02-19  4.63

Note: Other conditions existed that would affect the measured water level.

---

AU246
NW
1/2 - 1 Mile
Lower

WELLID: 401219075040901  LOCALWELLN: BK 1130
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: UNKNOWN
WELDEPTH: 400
ELEVATION: 300
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20528
LONGITUDEDD: -75.06917
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 5047

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 02/12/1980 00:00:00
Driller: 0330
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 50  Casing Diameter: 8
Casing: STEEL
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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<tr>
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<th>Casing Wall Thickness:</th>
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<td>Casing Diameter:</td>
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<td>Casing:</td>
<td>STEEL</td>
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**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 400
- Hole Diameter: 8

**Geohydrologic Information:**
- AAPG: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: TEST
- Water Use: UNUSED

**Production Information:**
- Discharge Type: Not Reported
- Data Source: Not Reported
- Discharge Meas Method: Not Reported
- Discharge: Not Reported
- SWL: 4.63000011444092
- W L Data Source: Z
- W L Meas Method: STEEL TAPE
- Prod W L: Not Reported
- Drawdown: Not Reported
- Spec Cap: Not Reported
- Test Length: Not Reported
- Site Status W L Meas: OTHER CONDITIONS AFFECT MEASURED WATER LEVEL
- Date Discharged: 02/19/1980 00:00:00

**Owner Information:**
- Owner: WARMINSTER AUTH
- Date Ownership: 02/12/1980 00:00:00

**Other ID Information:**
- Other Identifier: 35
- Other I D Assignor: OWNER PA

**AX247**
- **East**: PA WELLS PA1000000056943
- **1/2 - 1 Mile Lower**

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<td>ELEVMETHOD:</td>
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<td>LONGITUDEDD:</td>
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DEPTHTOBed: 0
DATEDRILLE: Not Reported
PAGWIS ID: 214787

Construction Information:
Construction Date: Not Reported
Driller: Not Reported
Source Cons Data: WELL OWNER
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 31
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Owner Information:
Owner: NORTHAMPTON BUCKS CO. MUN AUTH
Date Ownership: Not Reported

Remarks Information:
Remark: Population Served = 28095
Remark Date: Not Reported

Other ID Information:
Other Identifier: 1090089
Other ID Assignor: PA DEP PWSID

BF248
ENE
1/2 - 1 Mile
Higher

WELLID: Not Reported
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: Not Reported
WELDEPTH: 517
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
SOURCE DEPTH DATA: LOCATION MAY NOT BE ACCURATE (WWI paper)
MUNICIPALITY: NORTHAMPTON TWP.
LATITUDEDD: 40.20278
LONGITUDEDD: -75.0375
### BD250

**South**

<table>
<thead>
<tr>
<th>1/2 - 1 Mile</th>
<th>LOWER</th>
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</thead>
</table>

**Well ID:** BD250  
**Owner's Name:** TEXACO  
**County:** BUCKS  
**Quadrangle:** HATBORO  
**Latitude:** 401058  
**Longitude:** 750323  
**Hydrologic Unit:** 02040201  
**Water Usage:** INDUSTRIAL  
**Well Depth:** 17  
**Casing 1:** 7  
**Casing 2:** Not Reported  
**Grounted:** Yes  
**Static Water Level:** Not Reported  
**Yield (gpm):** Not Reported  
**Drawdown:** Not Reported  
**Bedrock:** Not Reported  
**Water Bearing Zone 1:** 7  
**Water Bearing Zone 2:** Not Reported  
**Water Bearing Zone 3:** Not Reported  
**Municipality:** UPPER SOUTHAMPTON  
**Aquifer:** STOCKTON FORMATION  
**Comment:** CAS.MAT=PLST;1IN=ASPHT;6IN=

### BD251

**South**

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<thead>
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<th>1/2 - 1 Mile</th>
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**Well ID:** BD251  
**Owner's Name:** TEXACO  
**County:** BUCKS  
**Quadrangle:** HATBORO  
**Latitude:** 401058  
**Longitude:** 750323  
**Hydrologic Unit:** 02040201  
**Water Usage:** INDUSTRIAL  
**Well Depth:** 17  
**Casing 1:** 7  
**Casing 2:** Not Reported  
**Grounted:** Yes  
**Static Water Level:** Not Reported  
**Yield (gpm):** Not Reported  
**Drawdown:** Not Reported  
**Bedrock:** Not Reported  
**Water Bearing Zone 1:** 7  
**Water Bearing Zone 2:** Not Reported  
**Water Bearing Zone 3:** Not Reported  
**Municipality:** UPPER SOUTHAMPTON  
**Aquifer:** STOCKTON FORMATION  
**Comment:** CAS.MAT=PLST;1IN=ASPHT;6IN=
## Construction Information:
- **Construction Date:** 10/01/1986 00:00:00
- **Driller:** 1696
- **Source Cons Data:** DRILLER’S RECORD
- **Method Cons:** Not Reported
- **Finish:** SCREEN

## Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 7
- **Casing:** Not Reported
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 4

## Geohydrologic Information:
- **A A P G:** 231SCKN
- **Lithology:** SH
- **Contributing Unit:** PRIMARY

## Water Use Information:
- **Site Use:** MINE
- **Water Use:** INDUSTRIAL

## Owner Information:
- **Owner:** TEXACO
- **Date Ownership:** Not Reported

## Remarks Information:
- **Remark:** CAS.MAT=PLST;1IN=ASPHT;6IN=GRAV;5FT=BRNREDSAND;17FT=REDSHALE
- **Remark Date:** Not Reported

---

## Lower

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<tr>
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<td>Long</td>
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<tr>
<td>Finish</td>
<td>OPEN HOLE</td>
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<tr>
<td>Top Of Interval</td>
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</tr>
<tr>
<td>Bottom Of Interval</td>
<td>Not Reported</td>
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</table>

## Well Details:
- **Well Depth:** 110
- **Casing 1:**
  - **Casing Diameter:** Not Reported
  - **Casing Wall Thickness:** Not Reported
- **Casing 2:**
  - **Casing Diameter:** Not Reported
  - **Casing Wall Thickness:** Not Reported
- **Static Water Level:** 25
- **Yield:** 60
- **Drawdown:** 75
- **Bedrock:** 8
- **Water Bearing Zone 1:**
  - **Water Bearing Zone 2:** Not Reported
  - **Lithology:** Not Reported
  - **Remark:** Not Reported
- **Water Bearing Zone 3:**
  - **Lithology:** SANDSTONE
  - **Remark:** 1745

## Source Cons Data:
- **Driller:** 10/01/1986 00:00:00
- **Test Time:** 75
- **Drawdown:** 1
- **Method Cons:** SCREEN
- **Yield Measurement Method:** Not Reported
- **Test Time:** 4
- **Driller:** 0228
- **Production WL:** Not Reported
- **Well Depth:** Not Reported
- **Casing 1 Diameter:** 4
- **Casing 2 Diameter:** Not Reported
- **Date Drilled:** 00-00-70
- **Remark:** CAS.MAT=PLST;1IN=ASPHT;6IN=GRAV;5FT=BRNREDSAND;17FT=REDSHALE
- **Remark Date:** Not Reported

---

**Geodeck® - Physical Setting Source Map Findings**
Map ID
Direction
Distance
Elevation

BG253
NW
1/2 - 1 Mile
Lower

WELLID: Not Reported
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 110
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBoro
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: IVYLAND Boro
LATITUDEDD: 40.205
LONGITUDED: -75.07
DEPTHTOBED: 8
DATEDRILLLE: Not Reported
PAGWIS ID: 67302

Construction Information:
Construction Date: 01/01/1970 00:00:00
Driller: 0228
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 30
Casing Wall Thickness: Not Reported
Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SS
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: BEARN STEWERT
Date Ownership: Not Reported
### BD254
#### South
##### 1/2 - 1 Mile
###### Lower

- **Well ID:** 6647N
- **Owner's Name:** TEXACO
- **County:** BUCKS
- **Latitude:** 401058
- **Longitude:** 750327
- **Quadrangle:** HATBORO
- **Lat/Long Accuracy:** ACCURATE TO +1 MINUTE
- **Hydrologic Unit:** 02040201
- **Site Usage:** MONITORING
- **Water Usage:** INDUSTRIAL
- **Well Depth:** 14
- **Casing 1:** 4
- **Casing1 Diameter(inches):** 4
- **Date Drilled:** 10-86
- **Bedrock:** 1696
- **Water Bearing Zone 1:** 6
- **Water Bearing Zone 2:** Not Reported
- **Water Bearing Zone 3:** Not Reported
- **Municipality:** UPPER SOUTHAMPTON
- **Aquifer:** STOCKTON FORMATION
- **Static Water Level:** Not Reported
- **Yield (gpm):** Not Reported
- **Drawdown:** Not Reported
- **Yield Measurement Method:** Not Reported
- **Test Time:** Not Reported
- **Driller:** Not Reported
- **Lithology:** SANDSTONE
- **Remark:** CAS.MAT=PLST;8IN=ASPHT/GRAV
- **Hydrologic Unit:** 02040201
- **Topographic Setting:** FLAT SURFACE
- **Lat/Long Accuracy:** ACCURATE TO +1 MINUTE
- **Quadrangle:** HATBORO
- **Lat/Long:** 401058, 750327
- **County:** BUCKS
- **Municipality:** UPPER SOUTHAMPTON
- **Aquifer:** STOCKTON FORMATION

### BD255
#### South
##### 1/2 - 1 Mile
###### Lower

- **Well ID:** Not Reported
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** FLAT SURFACE
- **WELLDEPTH:** 14
- **ELEVATION:** 0
- **ELEVMETHOD:** Not Reported
- **ACCURACYOF:** Not Reported
- **HYDROLOGIC:** 02040201
- **LATLONGLONGACCURACY:** ACCURATE TO +1 MINUTE
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATERELIABILITY:** LOCATION MAY NOT BE ACCURATE (WWI paper)
- **SOURCE DEPTH DATA:** DRILLER'S RECORD
- **MUNICIPALITY:** UPPER SOUTHAMPTON TWP.
- **LATITUDE:** 40.18278
- **LONUTURATION:** -75.0575
- **DEPTHTOBED:** 5
- **DATEDRILL:** Not Reported
- **PAGWIS ID:** 70094
- **WELLID:** Not Reported
- **LOCALWELLN:** 6647N
- **COATY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** FLAT SURFACE
- **WELLDEPTH:** 14
- **ELEVATION:** 0
- **ELEVMETHOD:** Not Reported
- **ACCURACYOF:** Not Reported
- **HYDROLOGIC:** 02040201
- **LATLONGLONGACCURACY:** ACCURATE TO +1 MINUTE
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATERELIABILITY:** LOCATION MAY NOT BE ACCURATE (WWI paper)
- **SOURCE DEPTH DATA:** DRILLER'S RECORD
- **MUNICIPALITY:** UPPER SOUTHAMPTON TWP.
- **LATITUDE:** 40.18278
- **LONUTURATION:** -75.0575
- **DEPTHTOBED:** 5
- **DATEDRILL:** Not Reported
- **PAGWIS ID:** 70094
Construction Information:
- Construction Date: 10/01/1986 00:00:00
- Driller: 1696
- Source Cons Data: DRILLER’S RECORD
- Method Cons: Not Reported
- Finish: SCREEN

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 4
- Casing: Not Reported
- Casing Wall Thickness: Not Reported
- Casing Diameter: 4

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: SS
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: MINE
- Water Use: INDUSTRIAL

Owner Information:
- Owner: TEXACO
- Date Ownership: Not Reported

Remarks Information:
- Remark: CAS.MAT=PLST;8IN=ASPHT/GRAV;5FT=BLDRKGRYSAND;15FT=DRKSNDSTN
- Remark Date: Not Reported

---

BH256
NNW
1/2 - 1 Mile
Lower

WELLID: 401240075033001
LOCALWELLN: BK 1072
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 458
ELEVATION: 300
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: NORTHAMPTON TWP.
LATITUDE: 40.21111
LONGITUDE: -75.05833
DEPTH TO BED: 0
DATEDRILL: Not Reported
PAGWIS ID: 5074

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 01/01/1966 00:00:00
Driller: 0413
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: Not Reported
Casing: UNKNOWN
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: Not Reported
Casing: UNKNOWN
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 458
Hole Diameter: 8

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: COMMERCIAL

Production Information:
Discharge Type: PUMPED
Data Source: O
Discharge Meas Method: Not Reported
Discharge: 210
SWL: Not Reported

W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: Not Reported
Drawdown: Not Reported
Spec Cap: Not Reported
Test Length: Not Reported
Site Status W L Meas: Not Reported

Owner Information:
Owner: GOLF FARM
Date Ownership: 01/01/1968 00:00:00
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State Database: PA Radon

Test Result Statistics

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<th>Max pCi/L</th>
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<td>209.2</td>
<td>5.6</td>
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EPA Region 3 Statistical Summary Readings for Zip Code: 18974

Number of sites tested: 1307.

Maximum Radon Level: 249.0 pCi/L.
Minimum Radon Level: 0.1 pCi/L.

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<th>20-50</th>
<th>50-100</th>
<th>&gt;100</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>943</td>
<td>205</td>
<td>80</td>
<td>50</td>
<td>20</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>(72.15%)</td>
<td>(15.68%)</td>
<td>(6.12%)</td>
<td>(3.83%)</td>
<td>(1.53%)</td>
<td>(0.69%)</td>
</tr>
</tbody>
</table>

Federal EPA Radon Zone for BUCKS 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.
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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW 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

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
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 Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

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

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 Public Water Supply Wells
Source: Pennsylvania Department of Environmental Resources Bureau of Water Supply
Telephone: 717-787-5017

Pennsylvania Groundwater Information System
Source: Department of Conservation and Natural Resources
Telephone: 717-783-7258

OTHER STATE DATABASE INFORMATION

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 IRR directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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
EDR Report
Jacksonville Road Housing
The EDR Radius Map with GeoCheck®

Jacksonville Road Housing
Kirk Road
Willow Grove, PA 18974

Inquiry Number: 01779758.1r

October 20, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.
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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

KIRK ROAD
WILLOW GROVE, PA 18974

COORDINATES

Latitude (North): 40.205700 - 40° 12' 20.5"
Longitude (West): 75.072400 - 75° 4' 20.6"
Universal Tranverse Mercator: Zone 18
UTM X (Meters): 493838.4
UTM Y (Meters): 4450380.5
Elevation: 305 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40075-B1 HATBORO, PA
Most Recent Revision: 2001

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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:

FEDERAL RECORDS

Proposed NPL ............... Proposed National Priority List Sites
Delisted NPL ............... National Priority List Deletions
NPL RECOVERY ............ Federal Superfund Liens
RCRA-LQG .......... Resource Conservation and Recovery Act Information
ERNS .......... Emergency Response Notification System
HMIRS .......... Hazardous Materials Information Reporting System
US INST CONTROL .......... Sites with Institutional Controls
FUDS .......... Formerly Used Defense Sites
US BROWNFIELDS .......... A Listing of Brownfields Sites
CONSENT .......... Superfund (CERCLA) Consent Decrees
EXECUTIVE SUMMARY

UMTRA ........................ Uranium Mill Tailings Sites
ODI ............................. Open Dump Inventory
TRIS ............................. Toxic Chemical Release Inventory System
TSCA ............................. Toxic Substances Control Act
FTTS ............................. FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS ............................. Section 7 Tracking Systems
ICIS ............................. Integrated Compliance Information System
PADS ............................. PCB Activity Database System
MLTS ............................. Material Licensing Tracking System
MINES ........................... Mines Master Index File
FINDS ........................... Facility Index System/Facility Registry System
RAATS ........................... RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS ............................ Hazardous Sites Cleanup Act Site List
HSCA ............................. HSCA Remedial Sites Listing
SWF/LF .......................... Operating Facilities
HIST LF ........................... Abandoned Landfill Inventory
UST ................................. Listing of Pennsylvania Regulated Underground Storage Tanks
ARCHIVE UST .................... Archived Underground Storage Tank Sites
AST ................................. Listing of Pennsylvania Regulated Aboveground Storage Tanks
ARCHIVE AST .................... Archived Aboveground Storage Tank Sites
ACT 2-DEED ..................... Act 2-Deed Acknowledgment Sites
ENG CONTROLS .................. Engineering Controls Site Listing
INST CONTROL .................. Institutional Controls Site Listing
DRYCLEANERS .................. Drycleaner Facility Locations
BROWNFIELDS ................... Brownfields Sites
AIRS .............................. Permit and Emissions Inventory Data

TRIBAL RECORDS

INDIAN RESERV ................. Indian Reservations
INDIAN LUST ..................... Leaking Underground Storage Tanks on Indian Land
INDIAN UST ...................... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants ........ EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.
FEDERAL RECORDS

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/05/2006 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>1/8 - 1/4SE</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 06/19/2006 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>1/8 - 1/4SE</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>

CERCLIS-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 07/17/2006 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRC CHEMICAL INC</td>
<td>885 LOUIS DRIVE</td>
<td>1/4 - 1/2W</td>
<td>B9</td>
<td>25</td>
</tr>
</tbody>
</table>

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2006 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>1/8 - 1/4SE</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>CRC CHEMICAL INC</td>
<td>885 LOUIS DRIVE</td>
<td>1/4 - 1/2W</td>
<td>B9</td>
<td>25</td>
</tr>
</tbody>
</table>

TC01779758.fr EXECUTIVE SUMMARY 3
RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/13/2006 has revealed that there are 2 RCRA-TSDF sites within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>1/8 - 1/4SE</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Lower Elevation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRC CHEMICAL INC</td>
<td>885 LOUIS DRIVE</td>
<td>1/4 - 1/2W</td>
<td>B9</td>
<td>25</td>
</tr>
</tbody>
</table>

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>1/8 - 1/4SE</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Lower Elevation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SEVERN ASSOCIATES INC</td>
<td>15 GOUGH AVE</td>
<td>0 - 1/8 NNE</td>
<td>2</td>
<td>21</td>
</tr>
<tr>
<td>CHEMLAWN SERVICES CORP</td>
<td>200 IVYLAND RD</td>
<td>1/8 - 1/4NW</td>
<td>A4</td>
<td>22</td>
</tr>
</tbody>
</table>

ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 03/21/2006 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>1/8 - 1/4SE</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>
EXECUTIVE SUMMARY

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. NAVAL AIR DEVELOPMENT CEN</td>
<td></td>
<td>0 - 1/8</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>

RODS: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 07/10/2006 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAVAL AIR DEVEL CTR</td>
<td>ST JACKSONVILLE RDD</td>
<td>1/8 - 1/4 SE</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>

STATE AND LOCAL RECORDS

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 LUST list, as provided by EDR, and dated 06/14/2006 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>IVYLAND FIRE CO &amp; POLICE DEPT</td>
<td>62 WILSON AVE</td>
<td>0 - 1/8</td>
<td>NNW 1</td>
<td>21</td>
</tr>
<tr>
<td>TRUGREEN LP</td>
<td>200 IVYLAND RD</td>
<td>1/8 - 1/4 NW</td>
<td>A3</td>
<td>22</td>
</tr>
<tr>
<td>HOBENSAKES &amp; SONS</td>
<td>1060 GREELEY AVE</td>
<td>1/4 - 1/2 NW</td>
<td>6</td>
<td>24</td>
</tr>
<tr>
<td>STRAUSS ENG</td>
<td>930 LOUIS RD</td>
<td>1/4 - 1/2 W</td>
<td>B10</td>
<td>37</td>
</tr>
<tr>
<td>BP LUBRICANTS USA WARMINSTER</td>
<td>1020 LOUIS DR</td>
<td>1/4 - 1/2 WNW</td>
<td>11</td>
<td>37</td>
</tr>
<tr>
<td>DELMAR PROD</td>
<td>995 LOUISE DR</td>
<td>1/4 - 1/2 NW</td>
<td>12</td>
<td>58</td>
</tr>
</tbody>
</table>

UNREG LTANKS: Leaking storage tank cases from unregulated storage tanks.

A review of the UNREG LTANKS list, as provided by EDR, and dated 04/12/2002 has revealed that there is 1 UNREG LTANKS site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEAVER RES</td>
<td>1237 GREELEY AVE</td>
<td>1/4 - 1/2 N</td>
<td>8</td>
<td>24</td>
</tr>
</tbody>
</table>
**EXECUTIVE SUMMARY**

**LAST:** The Leaking Aboveground Storage Tank database from the Department of Environmental Protection.

A review of the LAST list, as provided by EDR, and dated 06/14/2006 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Lower Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CRC CHEMICAL INC</strong></td>
<td><strong>885 LOUIS DRIVE</strong></td>
<td>1/4 - 1/2W</td>
<td><strong>B9</strong></td>
<td>25</td>
</tr>
<tr>
<td>Facility Status: Cleanup Completed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MANIFEST:** Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 PA MANIFEST site within approximately 0.25 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NAVAL AIR DEVEL CTR</strong></td>
<td><strong>ST JACKSONVILLE RDD</strong></td>
<td>1/8 - 1/4SE</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>Lower Elevation</td>
<td>Address</td>
<td>Dist / Dir</td>
<td>Map ID</td>
<td>Page</td>
</tr>
<tr>
<td><strong>MILTON ROY MFG</strong></td>
<td><strong>201 IVYLAND ROAD</strong></td>
<td>1/8 - 1/4NW</td>
<td>A5</td>
<td>22</td>
</tr>
</tbody>
</table>

**VCP:** Voluntary Cleanup Program Sites List.

A review of the VCP list, as provided by EDR, and dated 09/19/2006 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<table>
<thead>
<tr>
<th>Equal/Higher Elevation</th>
<th>Address</th>
<th>Dist / Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WAGNER GOURMET FOODS</strong></td>
<td><strong>900 JACKSONVILLE RD</strong></td>
<td>1/4 - 1/2SW</td>
<td>7</td>
<td>24</td>
</tr>
</tbody>
</table>
Due to poor or inadequate address information, the following sites were not mapped:

<table>
<thead>
<tr>
<th>Site Name</th>
<th>Database(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHALFONT CORP</td>
<td>CERC-NFRAP</td>
</tr>
<tr>
<td>CREEK ROAD SAND BLASTING - AKA - RIVER BEND</td>
<td>ICIS</td>
</tr>
<tr>
<td>BARC PRODUCTION SERVICES</td>
<td>NY MANIFEST</td>
</tr>
</tbody>
</table>
## MAP FINDINGS SUMMARY

<table>
<thead>
<tr>
<th>Database</th>
<th>Target Property</th>
<th>Search Distance (Miles)</th>
<th>&lt; 1/8</th>
<th>1/8 - 1/4</th>
<th>1/4 - 1/2</th>
<th>1/2 - 1</th>
<th>&gt; 1</th>
<th>Total Plotted</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FEDERAL RECORDS</strong></td>
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### NOTES:
- TP = Target Property
- NR = Not Requested at this Search Distance
- Sites may be listed in more than one database
### U.S. NAVAL AIR DEVELOPMENT CENTER

**Region**: DOD

**Site**: U.S. NAVAL AIR DEVELOPMENT CENTER (County), PA

**EDR ID Number**: CUSA029246

**Distance**: 1 ft.

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**CERCLIS**

- **Site ID**: 0302466
- **Federal Facility**: Federal Facility
- **NPL Status**: Currently on the Final NPL
- **Non NPL Status**: Not reported

**CERCLIS Site Contact Name(s):**

- **Contact Name**: DENNIS ORENSHAW
- **Contact Tel**: (215) 814-3361
- **Contact Title**: Remedial Project Manager (RPM)

**CERCLIS Site Alias Name(s):**

- **Alias Name**: NAVAL AIR DEVELOPMENT CENTER (8 WASTE AREAS)
- **Alias Address**: ST & JACKSONVILLE ROAD
- **Alias Name**: WARMINSTER TOWNSHIP, PA 18974
- **Alias Name**: NAVAL AIR WARFARE CENTER *
- **Alias Address**: Not reported
- **Alias Name**: NAVAL AIR DEVELOPMENT CENTER
- **Alias Address**: Not reported
- **Alias Name**: FORMER NAVAIRWARCEN WARMINSTER - 8 WASTE AREAS
- **Alias Address**: JACKSONVILLE ROAD AND ROUTE 132
- **Alias Name**: WARMINSTER, PA 17003
- **Alias Name**: NAVAL AIR DEVELOPMENT CENTER(8 AREAS)
- **Alias Address**: ST & JACKSONVILLE RD
- **Alias Name**: WARMINSTER, PA 18974
- **Alias Name**: NAVAL AIR DEVELOPMENT CENTER (8 AREAS)
- **Alias Address**: Not reported
Phase II RI was developing and implementing investigative and response actions at the Site in accordance with CERCLA and the National Contingency Plan. This work included installing additional monitoring wells, electromagnetic surveys, soil borings, and by installing and sampling shallow monitoring wells. On September 20, 1990, the Navy and EPA signed an Interagency Agreement (IAG) which established a procedural framework for the Phase II Remedial Investigation (RI) and a Focused RI, which is currently in progress. The EPA has determined this off-site groundwater contamination may present an imminent threat to human health. To achieve significant risk reduction quickly, the Navy has organized work to date into three operable units as follows: OU-1: Contaminated groundwater attributable to Areas A and B OU-2: Contaminated off-site private wells OU-3: Contaminated groundwater attributable to Area C. The Pennsylvania Department of Environmental Resources (PADER) recommended excavation and disposal of fire residuals and contaminated soils at Site 8 in October 1986. The Site was proposed for inclusion on the National Priorities List (NPL) also in 1986, and placed on the final NPL on October 4, 1989. By October 1988, the double soil berms on Site 8 had been removed. Naval Air Warfare Center (NAWC) personnel reported that these berms, fire residuals, trapped liquids, and soil from eroded areas had been analyzed and removed. The berm material was deposited in an area adjacent to Site 8 and the area was regraded. The Phase I Remedial Investigation (RI) was initiated in late 1988. The RI was completed and the Phase I RI Report was released on September 11, 1990. Phase I initiated the investigation of sites 1 through 8 by screening these sites for volatile organic compounds via soil gas analysis, electromagnetic surveys, soil borings, and by installing and sampling shallow monitoring wells. On September 20, 1990, the Navy and EPA signed an Interagency Agreement (IAG) which established a procedural framework for developing and implementing investigative and response actions at the Site in accordance with CERCLA and the National Contingency Plan. The Phase II RI was initiated in late 1991. This work included installing additional monitoring...
wells, analyzing groundwater, and evaluating aquifer characteristics. Four off-site wells were sampled during the Phase II RI. Based on the results on the investigations of Phases I and II, the Navy completed RI and Feasibility Study (FS) Reports addressing contaminated groundwater in OU-1 in April 1993. In October 1993, a focused RI was initiated to further investigate the nature and extent of contaminated groundwater attributable to Areas A, B, and C, as well as in the vicinity of the main building complex at the base (Area D). On September 29, 1993, the Navy Jointly signed a Record of Decision with the EPA for OU-1. The ROD for OU-1 selected an interim remedy which included the pumping and treatment of groundwater to limit the migration of contaminated groundwater attributable to Areas A and B. From April 28, 1993 through September 30, 1994, the Navy sampled more than 500 wells to assess the impact of contaminated groundwater attributable to NAWC on off-site groundwater users in Areas A and B. Seven residential wells sampled exceeded EPA Removal Action Levels, while an additional thirty-nine residential wells exceeded Maximum Contaminant Levels (MCLs). At least part of this contamination is potentially attributable to the Site. In response, the Navy has conducted a CERCLA removal action, installing a water treatment system in each residence whether either EPA Removal Action Levels or MCLs have been exceeded. The EPA determined this off-site groundwater contamination may present an imminent threat to human health. In response, the EPA and the Navy have conducted additional CERCLA removal action work which provided residences exceeding EPA Removal Action Levels, as well as residences in the immediate path of the groundwater contamination, with connections to public water supply systems. The work completed under this Removal Action is considered to be Operable Unit Two (OU-2). In August 1994, the Navy released a Focused Feasibility Study (FFS) Report for OU-3 (contaminated groundwater attributable to Area C) at the Site. The FFS for OU-3 developed several remedial alternatives for addressing contaminated groundwater attributable to Area C. From June 1994 through December 1994, the EPA initiated and completed construction of the removal action for OU-2. In January 1995, the Navy initiated construction of the remedy for OU-1.

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 09/01/1979
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 11/01/1979
Priority Level: Low

Action: SITE INSPECTION
Date Started: 03/13/1984
Date Completed: 06/07/1985
Priority Level: High

Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: 05/17/1985
Date Completed: 10/21/1985
Priority Level: Being considered for proposal to the NPL

Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 06/10/1986
Priority Level: Not reported
NAVAL AIR DEVEL CTR (Continued)

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: Not reported
Date Completed: 08/15/1986
Priority Level: No PRPs Identified

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 10/04/1989
Priority Level: Not reported

Action: FEDERAL INTERAGENCY AGREEMENT
Date Started: 06/15/1989
Date Completed: 09/20/1990
Priority Level: Not reported

Action: INTERAGENCY AGREEMENT NEGOTIATIONS
Date Started: 06/15/1989
Date Completed: 09/20/1990
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 07/14/1993
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/20/1990
Date Completed: 07/14/1993
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/20/1990
Date Completed: 09/29/1993
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 09/29/1993
Priority Level: Not reported

Action: Restoration Advisory Board
Date Started: 12/15/1993
Date Completed: Not reported
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN
Date Started: 09/02/1993
Date Completed: 05/04/1994
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL DESIGN
Date Started: 11/04/1993
Date Completed: 07/06/1994
Priority Level: Not reported

Action: FEDERAL FACILITY REMOVAL
Date Started: 05/14/1993
NAVAL AIR DEVEL CTR (Continued)

FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Action: 07/12/1994
Date Completed: Stabilized
Priority Level: Not reported
Date Started: 12/28/1993
Date Started:

RECORD OF DECISION
Action: 03/10/1995
Date Completed: Not reported
Priority Level: Not reported
Date Started: 03/10/1995
Date Started:

FEDERAL FACILITY REMEDIAL DESIGN
Action: 09/13/1996
Date Completed: Not reported
Priority Level: Not reported
Date Started: 09/13/1996
Date Started:

FEDERAL FACILITY REMEDIAL ACTION
Action: 09/19/1996
Date Completed: Not reported
Priority Level: Not reported
Date Started: 06/14/1994
Date Started:

FEDERAL FACILITY REMOVAL
Action: 12/23/1996
Date Completed: Not reported
Priority Level: Not reported
Date Started: 08/02/1996
Date Started:

FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Action: 09/30/1997
Date Completed: Not reported
Priority Level: Not reported
Date Started: 06/27/1994
Date Started:

RECORD OF DECISION
Action: 09/30/1997
Date Completed: Not reported
Priority Level: Not reported
Date Started: Not reported
Date Started:

RECORD OF DECISION
Action: 09/29/1999
Date Completed: Not reported
Priority Level: Not reported
Date Started: Not reported
Date Started:

REMEDIAL INVESTIGATION
Action: 09/29/1999
Date Completed: Not reported
Priority Level: Not reported
Date Started: Not reported
Date Started:

FEDERAL FACILITY REMOVAL
Action: 09/29/1999
Date Completed: Not reported
Priority Level: Not reported
Date Started: 03/01/1999
Date Started:

RECORD OF DECISION
Action: 06/19/2000
Date Completed: Not reported
Priority Level: Not reported
Date Started: Not reported
Date Started:
NAVAL AIR DEVEL CTR (Continued) 1000124988

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 09/01/1997
Date Completed: 05/28/1999
Priority Level: Not reported

Action: FEDERAL FACILITY REMOVAL  
Date Started: 05/28/1999
Date Completed: 07/30/1999
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 06/20/2000
Date Completed: 08/20/2000
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported
Date Completed: 08/20/2000
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 06/20/1998
Date Completed: 06/20/2000
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported
Date Completed: 06/20/2000
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 06/20/2000
Date Completed: 06/20/2000
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 10/01/1997
Date Completed: 06/26/2000
Priority Level: Not reported

Action: FEDERAL FACILITY REMOVAL  
Date Started: 08/24/1998
Date Completed: 06/26/2000
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 04/28/2000
Date Completed: 06/26/2000
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported
Date Completed: 06/26/2000
Priority Level: Not reported

Action: RECORD OF DECISION  
Date Started: Not reported
Date Completed: 06/26/2000
Priority Level: Not reported
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NAVAL AIR DEVEL CTR (Continued)

Action: FEDERAL FACILITY REMEDIAL ACTION
Date Started: 09/13/1996
Date Completed: 07/11/2002
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION
Date Started: 06/23/2000
Date Completed: 07/11/2002
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION
Date Started: 01/15/1995
Date Completed: 07/11/2002
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL ACTION
Date Started: 08/30/2000
Date Completed: 08/01/2002
Priority Level: Not reported

Action: FIVE YEAR REVIEW REPORT DUE
Date Started: Not reported
Date Completed: Not reported
Priority Level: Not reported

RCRAInfo Corrective Action Summary:
Event: RFI Imposition
Event Date: 08/24/1998

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 09/30/1995

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
Event Date: 12/01/1991

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 09/30/1991

Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.
Event Date: 09/30/1990

RCRAInfo:
Owner: U S NAVY
EPA ID: PA6170024545
Contact: JOSEPH CLAY
Classification: TSDF
TSDF Activities: Not reported

EDR ID Number: 1000124988
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<tr>
<td>Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)</td>
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NAVAL AIR DEVEL CTR (Continued)

Date Violation Determined: 01/25/1989
Actual Date Achieved Compliance: 03/02/1992
Regulation Violated: Not reported
Area of Violation: TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined: 09/28/1988
Actual Date Achieved Compliance: 09/11/1989
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/28/1988
Penalty Type: Not reported

There are 13 violation record(s) reported at this site:

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<td>Non-Financial Record Review</td>
<td>TSD-MANIFEST REQUIREMENTS</td>
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NPL:
EPA ID: PA8170024545
EPA Region: 03
Federal: Federal
Final Date: 10/04/1989

Category Details:
Site ID: Not reported
NAVAL AIR DEVELOPMENT CENTER (Continued)

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 10 And <= 25 Feet
Category Value: 20

Site ID: Not reported
NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:
Site Name: NAVAL AIR DEVELOPMENT CENTER (8 WASTE AREAS)
Site Status: Final
Status Date: 10/04/1989
Site City: WARMINSTER TOWNSHIP
Site State: PA
Federal Site: Federal Facility

GW Score: 100.00
SW Score: 6.55
Air Score: Not reported
Soil Score: Not reported
DC Score: Not reported
FE Score: Not reported

Substance Details:
Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: A020
Substance: CHROMIUM AND COMPOUNDS
CAS #: Not reported
Pathway: GROUND WATER PATHWAY
Scoring: 4

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: A020
Substance: CHROMIUM AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 3

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: C247
Substance: ZINC AND COMPOUNDS
CAS #: Not reported
Pathway: GROUND WATER PATHWAY
Scoring: 2

Site ID: Not reported
NPL Status: Currently on the Final NPL
Substance ID: D006
Substance: CADMIUM (CD)
CAS #: 7440-43-9
Pathway: GROUND WATER PATHWAY
Scoring: 4
NAVAL AIR DEVEL CTR (Continued)

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Summary Details:

Conditions at proposal (June 10, 1986): The Naval Air Development Center (NADC) covers 734 acres in Warminster Township, Bucks County, Pennsylvania. NADC was commissioned in 1944. Its main mission is research, development, testing, and evaluation for naval aircraft systems. The center also conducts studies in antisubmarine warfare systems and software development. Waste-generating activities include aircraft maintenance and repair, pest control, fire-fighting training, machine and plating shop operations, spray painting, and various materials research and testing activities in NADC laboratories. Wastes generated include paints, solvents, industrial waste water treatment sludge, and waste oils. Eight waste areas covering more than 2 acres are included in this NPL site. Navy contractors detected 1,1-dichloroethane, chromium, and nickel in ground water on the base. No significant contamination was detected in nearby surface water. The waste areas potentially affect the Stockton Formation aquifer, which provides water for over 100,000 persons within 3 miles of the site. Local surface water bodies are used for recreational and industrial purposes. NADC is participating in the Installation Restoration Program, established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. The Navy has completed Phase I (records search) and Phase II (confirmation study). As part of these efforts, NADC’s contractor installed monitoring wells and completed a ground water quality study. Ground water continues to be monitored. Status (October 4, 1989): The Navy has drafted a work plan for a remedial investigation to determine the type and extent of contamination at the site. EPA, the Pennsylvania Department of Environmental Resources, and the Navy are negotiating a CERCLA Section 120 Interagency Agreement for oversight.
NAVAL AIR DEVEL CTR (Continued)  1000124988

of all CERCLA activities at NADC."

Site Status Details:
NPL Status: Final
Proposed Date: 06/10/1986
Final Date: 10/04/1989
Deleted Date: Not reported

CORRACTS:

EPA ID: PA6170024545
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 08/24/1998
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported

EPA ID: PA6170024545
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 09/30/1990
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): Not reported

EPA ID: PA6170024545
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 09/30/1991
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): Not reported

EPA ID: PA6170024545
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 09/30/1995
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): Not reported

EPA ID: PA6170024545
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 12/01/1991
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): Not reported

ROD:
Full-text of USEPA Record of Decision(s) is available from EDR.

NJ MANIFEST:
Manifest Code: NJA5260694
EPA ID: PA6170024545
Date Shipped: 20050616
NAVAL AIR DEVEL CTR (Continued)

TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: NJD000692061
Date Trans1 Transported Waste: 050616
Date Trans2 Transported Waste: 050620
Date TSDF Received Waste: 050620
Transpoter 1 Decal: Not reported
Transpoter 2 Decal: Not reported
Data Entry Number: 07220521
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported
Waste Code: D001
Quantity: 400
Unit: P
Hand Code: S01

Waste Code: D002
Quantity: 320
Unit: P
Hand Code: S01

Waste Code: D002
Quantity: 320
Unit: P
Hand Code: S01

Waste Code: D001
Quantity: 755
Unit: P
Hand Code: S01

US ENG CONTROLS:
EPA ID: PA6170024545
Site ID: 0302466
Name: NAVAL AIR DEVELOPMENT CENTER (8 WASTE AREAS)
Address: ST & JACKSONVILLE ROAD
          WARMINTER TOWNSHIP, PA 18974
EPA Region: 03
County: BUCKS
Event Code: Not reported
Actual Date: Not reported
Action ID: 003
Action Name: FF RA
Action Completion date: 07/11/2002
Planned Complet. date: 03/30/2003
Operable Unit: 04
Contaminated Media: Groundwater
Contaminated Media #: 3273365.00000
Engineering Control: Pump And Treat

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 03/10/1995

TC01779758.1r  Page 19
NAVAL AIR DEVEL CTR (Continued)

Planned Complet. date: 12/31/1994
Operable Unit: 04
Contaminated Media: Groundwater
Contaminated Media #: 3270741.00000
Engineering Control: Pump And Treat

Action ID: 004
Action Name: RECORD OF DECISION
Action Completion date: 09/30/1997
Planned Complet. date: 12/31/1996
Operable Unit: 05
Contaminated Media: Groundwater
Contaminated Media #: 3271034.00000
Engineering Control: Pump And Treat

NY MANIFEST:

Document ID: NYA3441971
Manifest Status: C
Trans1 State ID: PA-TL1860
Trans2 State ID: Not reported
Generator Ship Date: 860529
Trans1 Recv Date: 860529
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860606
Part A Recv Date: 860617
Part B Recv Date: 860613
Generator EPA ID: PA6170024545
Trans1 EPA ID: PAD064035819
Trans2 EPA ID: Not reported
TSDF ID: NYD049836679
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00105
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 012
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00015
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 86
Facility Type: Generator
EPA ID: PA6170024545
Facility Name: UNITED STATES MILITARY - NADC
Facility Address: STREET ROAD
Facility City: WARMINSTER
Facility Zip 4: Not reported
Country: Not reported
County: Not reported
Mailing Name: UNITED STATES MILITARY -NADC
Mailing Contact: EDWARD D LONEY
Mailing Address: STREET ROAD
Mailing City: WARMINSTER
NAVAL AIR DEVEL CTR (Continued)

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Click this hyperlink while viewing on your computer to access 181 additional NY MANIFEST: record(s) in the EDR Site Report.

1

IVYLAND FIRE CO & POLICE DEPT
62 WILSON AVE
< 1/8
IVYLAND, PA

Relative:
Lower

Actual:
298 ft.

LUST: 09-42026
Facility Type: Underground Storage Tank Containing Petroleum

Facility Status: Cleanup Completed
Status Date: 1997-06-03 00:00:00
Release Date: 1989-08-05 00:00:00
Region: South East
Description: IVYLAND FIRE CO & POLICE DEPT

2

SEVERN ASSOCIATES INC
15 GOUGH AVE
< 1/8
IVYLAND, PA 18974

Relative:
Lower

Actual:
303 ft.

RCRAInfo:
Owner: SEVERN ROBERT K
(215) 672-0435
EPA ID: PA0000269654
Contact: ROBERT SEVERN
(215) 672-0435
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

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.
### Map Findings

<table>
<thead>
<tr>
<th>Site</th>
<th>Elevation</th>
<th>Relative</th>
<th>Actual</th>
<th>EDR ID Number</th>
<th>Database(s)</th>
<th>EPA ID Number</th>
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</thead>
<tbody>
<tr>
<td>A3</td>
<td>TRUGREEN LP</td>
<td>LUST</td>
<td>1312 ft.</td>
<td>S101473564</td>
<td>N/A, LUST</td>
<td>N/A, LUST</td>
</tr>
<tr>
<td>NW</td>
<td>200 IVYLAND RD</td>
<td>WARMINSTER, PA</td>
<td>Site 1 of 3 in cluster A</td>
<td>Facility Id: 09-10858</td>
<td>Facility Type: Underground Storage Tank Containing Petroleum</td>
<td>Facility Status: Cleanup Completed</td>
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<tr>
<td>1/8-1/4</td>
<td>1997-07-23 00:00:00</td>
<td>Region: South East</td>
<td>Release Date: 1997-07-23 00:00:00</td>
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<tr>
<td>Relative: Lower</td>
<td>Actual: 283 ft.</td>
<td>Facility Status: Cleanup Completed</td>
<td>Description: CHEMLAWN 4509</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>A4</td>
<td>CHEMLAWN SERVICES CORP</td>
<td>RCRA-SQG</td>
<td>1312 ft.</td>
<td>1004773255</td>
<td>N/A, RCRA-SQG</td>
<td>N/A, Pad000731067</td>
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<tr>
<td>NW</td>
<td>200 IVYLAND RD</td>
<td>WARMINSTER, PA</td>
<td>Site 2 of 3 in cluster A</td>
<td>Facility Id: Pad000731067</td>
<td>Facility Type: Conditionally Exempt Small Quantity Generator</td>
<td>Facility Status: No violations found</td>
</tr>
<tr>
<td>1/8-1/4</td>
<td>(614) 888-3572</td>
<td>Contact: DAVID DEMPSEY</td>
<td>Release Date: 1989-08-05 00:00:00</td>
<td>Conditionally Exempt Small Quantity Generator</td>
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</tr>
<tr>
<td>Relative: Lower</td>
<td>Actual: 283 ft.</td>
<td>Classification: Conditionally Exempt Small Quantity Generator</td>
<td>Description: CHEMLAWN SERVICES CORPORATION</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>A5</td>
<td>MILTON ROY MFG</td>
<td>FINDS</td>
<td>1312 ft.</td>
<td>1000416421</td>
<td>N/A, FINDS</td>
<td>N/A, Pa Manifold</td>
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<tr>
<td>NW</td>
<td>201 IVYLAND ROAD</td>
<td>IVYLAND, PA</td>
<td>Site 3 of 3 in cluster A</td>
<td>Facility Id: Pa Manifold</td>
<td>Facility Type: Other Pertinent Environmental Activity Identified at Site</td>
<td>Facility Status: No violations found</td>
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<tr>
<td>1/8-1/4</td>
<td>110001083489</td>
<td>Actual: 283 ft.</td>
<td>Description: AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.</td>
<td>Other Pertinent Environmental Activity Identified at Site</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA’s programs. The vision for ICIS is to replace EPA’s independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
MILTON ROY MFG (Continued) 1000416421

Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

PCS (Permit Compliance System) 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.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

PA MANIFEST:
Manifest Number: IL10862061
Manifest Type: T
Generator Epa Id: PAD065728404
Generator Date: 01/06/2004
Mailing Address: 201 IVYLAND RD
Mailing City,St,Zip: IVYLAND, PA 18974
Contact Name: WILLIAM A FRISCO JR
Contact Phone: 215-441-7511
TSD Epa Id: ILD980613913
TSD Date: 01/22/2004
TSD Facility Name: SAFETY KLEEN CORP
TSD Facility Address: 633 E 138TH ST
TSD Facility City: DOLTON
TSD Facility State: IL
Page Number: 1.00000
Line Number: 1.00000
Waste Number: D001
Container Number: 1.00000
Container Type: DM
Waste Quantity: 5.00000
Unit: G
Handling Code: Not reported
Tsp Epa Id: TXR0000050930
Date Tsp Sig: 01/06/2004
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<tr>
<th>Map ID</th>
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<th>Distance (ft.)</th>
<th>Elevation</th>
<th>Site</th>
<th>Database(s)</th>
<th>EPA ID Number</th>
<th>EDR ID Number</th>
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<tbody>
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<td>6</td>
<td>NW</td>
<td>1385</td>
<td>6</td>
<td>HOBENSACKS &amp; SONS</td>
<td>LUST</td>
<td>S102603511</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>1/4-1/2</td>
<td></td>
<td></td>
<td>1060 GREELEY AVE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IVYLAND, PA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
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<tr>
<td></td>
<td></td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

| 7      | SW        | 1589           | 6         | WAGNER GOURMET FOODS | VCP         | S105422962    | N/A           |
|        | 1/4-1/2   |                |           | 900 JACKSONVILLE RD |             |               |               |
|        |           |                |           | IVYLAND, PA         |             |               |               |
| Relative: | Higher | Rec ID: 87 | Activity ID: Not reported |
| Actual: | 311 ft. | Municipality: Ivyland |
|         |         | Region: 4100 |
|         |         | Site Size: Not reported |
|         |         | Cleanup: Background |
|         |         | Cleanup Indicator: Not reported |
|         |         | Response Date: 1/27/2000 |
|         |         | Category Desc: Chlorinated Solvents |
|         |         | Land Designation: Not reported |

| 8      | North     | 2351           | 6         | WEAVER RES | UNREG LTANKS | S105918453    | N/A           |
|        | 1/4-1/2   |                |           | 1237 GREELEY AVE |             |               |               |
|        |           |                |           | IVYLAND BORO, PA |       |               |               |
| Relative: | Lower | Region: South East |
| Actual: | 258 ft. | Closed: Not reported |
|         |         | Contaminant: Not reported |
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

NJ-NJEMS (New Jersey - New Jersey Environmental Management System). The Department of Environmental Protection (NJDEP) manages large databases of environmental information in this integrated system.

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.

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TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
CRC CHEMICAL INC (Continued) 1000119463

RCRAInfo Corrective Action Summary:
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date: 12/01/1991

RCRAInfo:
Owner: CRC CHEMICALS INC.
(215) 674-4300
EPA ID: PAD069880029
Contact: ALLEN_B REED
(215) 674-4300
Classification: Large Quantity Generator, TSDF
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

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<thead>
<tr>
<th>Waste</th>
<th>Quantity (Lbs)</th>
<th>Waste</th>
<th>Quantity (Lbs)</th>
</tr>
</thead>
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<td>D002</td>
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</tr>
<tr>
<td>F003</td>
<td>412885.00</td>
<td>F005</td>
<td>412885.00</td>
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</table>

Violation Status: Violations exist
Regulation Violated: 25PAcodeChapter265a.175
Area of Violation: TSD-CONTAINERS REQUIREMENTS
Date Violation Determined: 11/19/2002
Actual Date Achieved Compliance: Not reported
Regulation Violated: 262a.100
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 10/31/2000
Actual Date Achieved Compliance: 11/21/2000
Regulation Violated: 262.34(a)(2)
Area of Violation: TSD-CONTAINERS REQUIREMENTS
Date Violation Determined: 10/31/2000
Actual Date Achieved Compliance: 10/31/2000
Regulation Violated: 6018.601
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 06/30/1997
Actual Date Achieved Compliance: 11/06/1997
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1997
Penalty Type: Not reported
Regulation Violated: 6018.610(1)
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 06/30/1997
Actual Date Achieved Compliance: 11/06/1997
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/19/1997
Penalty Type: Not reported
Regulation Violated: 696.307
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
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<th>Enforcement Action</th>
<th>Enforcement Action Date</th>
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<td>265.173(c)</td>
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<td>03/07/1990</td>
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</table>
CRC CHEMICAL INC (Continued)

Actual Date Achieved Compliance: 03/07/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/06/1988
Penalty Type: Not reported

There are 13 violation record(s) reported at this site:

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<th>Area of Violation</th>
<th>Date of Compliance</th>
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<td>Compliance Evaluation Inspection</td>
<td>TSD-CONTAINERS REQUIREMENTS</td>
<td>20001121</td>
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<tr>
<td>Compliance Evaluation Inspection</td>
<td>GENERATOR-RECORDKEEPING REQUIREMENTS</td>
<td>20001031</td>
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<td>Compliance Evaluation Inspection</td>
<td>GENERATOR-GENERAL REQUIREMENTS</td>
<td>19971106</td>
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<tr>
<td>Compliance Evaluation Inspection</td>
<td>GENERATOR-GENERAL REQUIREMENTS</td>
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<td>GENERATOR-GENERAL REQUIREMENTS</td>
<td>19971106</td>
</tr>
<tr>
<td>Compliance Evaluation Inspection</td>
<td>GENERATOR-PRE-TRANSPORT REQUIREMENTS</td>
<td>19950901</td>
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<td>19950901</td>
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<td>TSD-OTHER REQUIREMENTS (OVERSIGHT)</td>
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CORRACTS:

EPA ID: PAD069880029
EPA Region: 03
Area Name: ENTIRE FACILITY
Actual Date: 12/01/1991
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 325998
325998 - All Other Miscellaneous Chemical Product and Preparation Manufacturing

CERC-NFRAP:

Site ID: 0303464
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Deferred to RCRA
Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 09/06/1988
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 06/13/1989
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 01/23/1996
Priority Level: Not reported
CRC CHEMICAL INC  (Continued) 1000119463

LAST:

- Facility Id: 09-29152
- Facility Type: Aboveground Storage Tank
- **Facility Status:** Cleanup Completed

<table>
<thead>
<tr>
<th>Map ID</th>
<th>Direction</th>
<th>Distance</th>
<th>Distance (ft.)</th>
<th>Elevation</th>
<th>Site</th>
<th>Database(s)</th>
<th>EPA ID Number</th>
<th>EDR ID Number</th>
</tr>
</thead>
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PA MANIFEST:

- Manifest Number: NJA5083390
- Manifest Type: T
- Generator Epa Id: PAD069880029
- Generator Date: 01/27/2004
- Mailing Address: 885 LOUIS DR
- Mailing City,St,Zip: WARMINSTER, PA 18974
- Contact Name: ADAM SELISKER
- Contact Phone: 215-674-5960
- TSD Epa Id: NJD002182897
- TSD Date: 01/27/2004
- TSD Facility Name: SAFETY KLEEN SYSTEMS
- TSD Facility Address: 1200 SYLVAN ST
- TSD Facility City: LINDEN
- TSD Facility State: NJ
- Page Number: 1.00000
- Line Number: 1.00000
- Waste Number: F002
- Container Number: 60.00000
- Container Type: DM
- Waste Quantity: 27000.00000
- Unit: P
- Handling Code: Not reported
- Tsp Epa Id: TXR000050930
- Date Tsp Sig: 01/27/2004

Click this hyperlink while viewing on your computer to access 40 additional PA MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

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<th>Manifest Code:</th>
<th>EPA ID:</th>
<th>Date Shipped:</th>
<th>TSDF EPA ID:</th>
<th>Transporter EPA ID:</th>
<th>Transporter 2 EPA ID:</th>
<th>Date Trans1 Transported Waste:</th>
<th>Date Trans2 Transported Waste:</th>
<th>Date TSDF Received Waste:</th>
<th>Transporter 1 Decal:</th>
<th>Transporter 2 Decal:</th>
<th>Data Entry Number:</th>
<th>Reference Manifest Number:</th>
<th>Was Load Rejected (Y/N):</th>
<th>Reason Load Was Rejected:</th>
<th>Waste Code:</th>
<th>Quantity:</th>
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<td>PAD069880029</td>
<td>20050110</td>
<td>NJD002182897</td>
<td>NJD071629976</td>
<td>Not reported</td>
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<td>Not reported</td>
<td>Not reported</td>
<td>03230521</td>
<td>Not reported</td>
<td>No</td>
<td>Not reported</td>
<td>F002</td>
<td>400</td>
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</table>

TC01779758.1r Page 29
### CRC CHEMICAL INC (Continued)

<table>
<thead>
<tr>
<th>Map ID</th>
<th>Direction</th>
<th>Distance</th>
<th>Distance (ft.)</th>
<th>Database(s)</th>
<th>EDR ID Number</th>
<th>EPA ID Number</th>
</tr>
</thead>
</table>

| Unit: | P         | Hand Code: | T04           | Waste Code: | F002         | Quantity: | 39950
|       |           |           |               |             |             |           |

| Unit: | P         | Hand Code: | T04           | Waste Code: | F002         | Quantity: | 39252
|       |           |           |               |             |             |           |

| Unit: | P         | Hand Code: | S01           | Waste Code: | F002         | Quantity: | 39100
|       |           |           |               |             |             |           |

| Manifest Code: | NJA5065360 | EPA ID: | PAD069880029 | Date Shipped: | 20050203 | Date Trans1 Transported Waste: | 050203 |
| Transporter EPA ID: | NYD980769947 | Transporter 2 EPA ID: | Not reported | Transporter 1 Decal: | Not reported |
| Transporter 2 Decal: | Not reported | Data Entry Number: | 03080521 | Reference Manifest Number: | Not reported |
| Reference Load Was Rejected (Y/N): | No | Reason Load Was Rejected: | Not reported |
| Waste Code: | F002 | Quantity: | 39252 | Unit: | P |

| Manifest Code: | NJA5065361 | EPA ID: | PAD069880029 | Date Shipped: | 20050314 | Date Trans1 Transported Waste: | 050314 |
| Transporter EPA ID: | NJD002182897 | Transporter 2 EPA ID: | Not reported | Transporter 1 Decal: | Not reported |
| Transporter 2 Decal: | Not reported | Data Entry Number: | 04250525 | Reference Manifest Number: | Not reported |
| Reference Load Was Rejected (Y/N): | No | Reason Load Was Rejected: | Not reported |
| Waste Code: | F002 | Quantity: | 39100 | Unit: | P |

<p>| Manifest Code: | NJA5065360 | EPA ID: | PAD069880029 | Date Shipped: | 20050203 | Date Trans1 Transported Waste: | 050203 |
| Transporter EPA ID: | NYD980769947 | Transporter 2 EPA ID: | Not reported | Transporter 1 Decal: | Not reported |
| Transporter 2 Decal: | Not reported | Data Entry Number: | 03080521 | Reference Manifest Number: | Not reported |
| Reference Load Was Rejected (Y/N): | No | Reason Load Was Rejected: | Not reported |
| Waste Code: | F002 | Quantity: | 39252 | Unit: | P |</p>
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<th>Unit</th>
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<td>F002</td>
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**CRC CHEMICAL INC (Continued)**

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<td>TSDF EPA ID:</td>
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<td>Date Trans2 Transported Waste:</td>
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<td>Date Trans2 Transported Waste:</td>
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| Date Trans1 Transported Waste: | 050818 |
| Date Trans2 Transported Waste: | 050818 |
| Transporter 1 Decal: | Not reported |
| Transporter 2 Decal: | Not reported |
| Data Entry Number: | 09300525 |
| Reference Manifest Number: | Not reported |
| Reason Load Was Rejected: | Not reported |
| Waste Code: | F002 |
| Quantity: | 41650 |
| Unit: | P |
| Hand Code: | T04 |

| Date Trans1 Transported Waste: | 050926 |
| Date Trans2 Transported Waste: | 050926 |
| Transporter 1 Decal: | Not reported |
| Transporter 2 Decal: | Not reported |
| Data Entry Number: | 09300526 |
| Reference Manifest Number: | Not reported |
| Reason Load Was Rejected: | Not reported |
| Waste Code: | F002 |
| Quantity: | 400 |
| Unit: | P |
| Hand Code: | S01 |
CRC CHEMICAL INC (Continued)

Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Data Entry Number: 11220522
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Waste Code: F002
Quantity: 41650
Unit: P
Hand Code: T04

Waste Code: F002
Quantity: 400
Unit: P
Hand Code: S01

Manifest Code: NJA5042875
EPA ID: PAD069880029
Date Shipped: 20051026
TSDF EPA ID: NJD002182897
Transporter EPA ID: MOD095038998
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 051026
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 051026
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Data Entry Number: 01060625
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Waste Code: F002
Quantity: 42500
Unit: P
Hand Code: T04

Manifest Code: NJA5042876
EPA ID: PAD069880029
Date Shipped: 20051111
TSDF EPA ID: NJD002182897
Transporter EPA ID: NYD980769947
Transporter 2 EPA ID: Not reported
Date Trans1 Transported Waste: 051111
Date Trans2 Transported Waste: 000000
Date TSDF Received Waste: 051111
Transporter 1 Decal: Not reported
Transporter 2 Decal: Not reported
Data Entry Number: 01180625
Reference Manifest Number: Not reported
Was Load Rejected (Y/N): No
Reason Load Was Rejected: Not reported

Waste Code: F002
Quantity: 41650
CRC CHEMICAL INC (Continued)  

**Unit:** P
**Hand Code:** T04
**Waste Code:** F002
**Quantity:** 600
**Unit:** P
**Hand Code:** S01

**NY MANIFEST:**

**Document ID:** NYB4974561
**Manifest Status:** C
**Trans1 State ID:** 31047FNY
**Trans2 State ID:** Not reported
**Generator Ship Date:** 940825
**Trans1 Recv Date:** 940825
**Trans2 Recv Date:** Not reported
**TSD Site Recv Date:** 940830
**Part A Recv Date:** 940909
**Part B Recv Date:** 940909
**Generator EPA ID:** PAD069880029
**Trans1 EPA ID:** NYD057770109
**Trans2 EPA ID:** Not reported
**TSDF ID:** NYD057770109
**Waste Code:** U123 - FORMIC ACID (C,T)
**Quantity:** 00023

**Units:** P - Pounds
**Number of Containers:** 001
**Container Type:** DF - Fiberboard or plastic drums (glass)
**Handling Method:** T Chemical, physical, or biological treatment.
**Specific Gravity:** 100
**Waste Code:** Not reported
**Quantity:** 00009
**Units:** P - Pounds
**Number of Containers:** 001
**Container Type:** DF - Fiberboard or plastic drums (glass)
**Handling Method:** T Chemical, physical, or biological treatment.
**Specific Gravity:** 100
**Waste Code:** Not reported
**Quantity:** 00134
**Units:** P - Pounds

**Number of Containers:** 001
**Container Type:** DM - Metal drums, barrels
**Handling Method:** T Chemical, physical, or biological treatment.
**Specific Gravity:** 100
**Waste Code:** Not reported
**Quantity:** 00040
**Units:** P - Pounds

**Number of Containers:** 001
**Container Type:** DF - Fiberboard or plastic drums (glass)
**Handling Method:** T Chemical, physical, or biological treatment.
**Specific Gravity:** 100
**Year:** 94
**Facility Type:** Generator
**EPA ID:** PAD069880029
**Facility Name:** CRC CHEMICAL
CRC CHEMICAL INC (Continued)

Facility Address: 885 LOUIS DR
Facility City: WARMINSTER
Facility Zip 4: Not reported
Country: Not reported
County: Not reported
Mailing Name: CRC CHEMICAL
Mailing Contact: ADAM M SELISTER
Mailing Address: 885 LOUIS DR
Mailing City: WARMINSTER
Mailing State: PA
Mailing Zip: 18974
Mailing Zip4: Not reported
Mailing Country: Not reported
Mailing Phone: 215-442-6223

Click this hyperlink while viewing on your computer to access
5 additional NY MANIFEST: record(s) in the EDR Site Report.

RI MANIFEST:
Manifest Docket Number: RIS0014462
Waste Description: LAB PACK CHEMICAL
Quantity: 3.00
WT/Vol Units: p
Item Number: 8198
Transporter Name: REPUBLIC ENV SYS (TRANS GROUP)
Transporter EPA ID: PAD982661381
ID: 190335
GEN Cert Date: 5/6/1998 0:00:00
Transporter Recpt Date: Not reported
Transporter 2 Recpt Date: Not reported
TSDF Recpt Date: Not reported
EPA ID: PAD99880029
Number Of Containers: 0
Container Type: Not reported
Waste Code1: D009
Waste Code2: Not reported
Waste Code3: Not reported
Waste Code4: Not reported
Waste Code5: Not reported
Waste Code6: Not reported
Comment: Not reported
Fee Exempt Code: Not reported
TSDF Name: NORTHLAND ENVIRONMENTAL INC.
TSDF ID: RID04098352
Data Source: MD-ELEC
Date Imported: 1/14/1999 0:00:00
Transporter 2 Name: Not reported
Transporter 2 ID: Not reported
Quantity in LBS.: 3
Fee Reported: Not reported
Manifest Docket Number: RIS0014462
Waste Description: LAB PACK CHEMICAL
Quantity: 4.00
WT/Vol Units: p
Item Number: 8196
Transporter Name: REPUBLIC ENV SYS (TRANS GROUP)
CRC CHEMICAL INC (Continued)

Transporter EPA ID: PAD982661381
ID: 190337
GEN Cert Date: 5/6/1998 0:00:00
Transporter Recpt Date: Not reported
Transporter 2 Recpt Date: Not reported
TSDF Recpt Date: Not reported
EPA ID: PAD069880029
Number Of Containers: 0
Container Type: Not reported
Waste Code1: D001
Waste Code2: Not reported
Waste Code3: Not reported
Waste Code4: Not reported
Waste Code5: Not reported
Waste Code6: Not reported
Comment: Not reported
Fee Exempt Code: Not reported
TSDF Name: NORTHLAND ENVIRONMENTAL INC.
TSDF ID: RID040098352
Data Source: MD-ELEC
Date Imported: 1/14/1999 0:00:00
Transporter 2 Name: Not reported
Transporter 2 ID: Not reported
Quantity in LBS.: 4
Fee Reported: Not reported

Manifest Docket Number: RJS0014462
Waste Description: LAB PACK CHEMICAL
Quantity: 4.00
WT/Vol Units: p
Item Number: 8197
Transporter Name: REPUBLIC ENV SYS (TRANS GROUP)
Transporter EPA ID: PAD982661381
ID: 190336
GEN Cert Date: 5/6/1998 0:00:00
Transporter Recpt Date: Not reported
Transporter 2 Recpt Date: Not reported
TSDF Recpt Date: Not reported
EPA ID: PAD069880029
Number Of Containers: 0
Container Type: Not reported
Waste Code1: D002
Waste Code2: Not reported
Waste Code3: Not reported
Waste Code4: Not reported
Waste Code5: Not reported
Waste Code6: Not reported
Comment: Not reported
Fee Exempt Code: Not reported
TSDF Name: NORTHLAND ENVIRONMENTAL INC.
TSDF ID: RID040098352
Data Source: MD-ELEC
Date Imported: 1/14/1999 0:00:00
Transporter 2 Name: Not reported
Transporter 2 ID: Not reported
Quantity in LBS.: 4
Fee Reported: Not reported
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<th>B10</th>
<th>STRAUSS ENG</th>
<th>LUST</th>
<th>930 LOUIS RD</th>
<th>WARMINSTER, PA</th>
<th>2456 ft.</th>
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<tbody>
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<td>Site 2 of 2 in cluster B</td>
<td>Relative: Lower</td>
<td>Facility Id: 09-45818</td>
<td>Facility Type: Underground Storage Tank Containing Petroleum</td>
<td>Actual: 293 ft.</td>
<td>Facility Status: Cleanup Completed</td>
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<td></td>
<td>Actual: 293 ft.</td>
<td>Status Date: 1996-01-17 00:00:00</td>
<td>Region: South East</td>
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<td></td>
<td>Release Date: 1989-08-05 00:00:00</td>
<td>Description: STRAUSS ENGINEERING</td>
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<th>AST</th>
<th>BP LUBRICANTS USA</th>
<th>WARMINSTER FAC</th>
<th>LUST</th>
<th>1020 LOUIS DR</th>
<th>WARMINSTER, PA</th>
<th>18974</th>
<th>2496 ft.</th>
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<td>BP LUBRICANTS USA INC</td>
<td>Facility Id: 09-29210</td>
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| Mailing Name: BP LUBRICANTS USA INC |
| Mailing Address: 1500 VALLEY RD |
| Mailing City,St,Zip: WAYNE, NJ 07470 |
| Municipality: Warminster |
| Client Id: 238617 |
| Site ID: 566685 |
| Other Id: 09-29210 |

| Region Code: 4100 |
| Region Code Name: EP SE Rgnl Off |
| Tank Code: AST |
| Tank Seq Num: 001A |
| Tank Capacity: 6000 |
| Date Installed: Not reported |
| Substance: New Motor Oil |
| Tank Status: NMO |
| Inspection Code: In Service |
| Tank Last Inspected: 2002-08-14 00:00:00 |
| Regulated Exp Date: 2007-04-04 00:00:00 |

| Mailing Name: BP LUBRICANTS USA INC |
| Mailing Address: 1500 VALLEY RD |
| Mailing Address: Not reported |
| Mailing City,St,Zip: WAYNE, NJ 07470 |
| Municipality: Warminster |
| Client Id: 238617 |
| Site ID: 566685 |
| Other Id: 09-29210 |
BP LUBRICANTS USA WARMINSTER FAC (Continued)

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<td>Region Code Name:</td>
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<td>Tank Code:</td>
<td>AST</td>
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<td>Date Installed:</td>
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<td>Substance:</td>
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<td>Tank Status:</td>
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<td>Inspection Code:</td>
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210

2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 003A
Tank Capacity: 6000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-14 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210

2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 004A
Tank Capacity: 6000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-14 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD

TC01779758.1r Page 38
BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740

Mailing Address: Not reported
Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 005A
Tank Capacity: 6000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-14 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Address: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 006A
Tank Capacity: 6000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-14 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Address: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 007A
Tank Capacity: 6000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
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<td>BP LUBRICANTS USA INC</td>
</tr>
<tr>
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**BP LUBRICANTS USA WARMINSTER FAC (Continued)**

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Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off

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Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
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Region Code: 4100
Region Code Name: EP SE Rgnl Off

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Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
BP LUBRICANTS USA  WARMINSTER FAC  (Continued)  1001884740

Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
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Tank Status: NMO
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
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Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
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Region Code Name: EP SE Rgnl Off
Tank Code: AST
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BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
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Region Code Name: EP SE Rgnl Off
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Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
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Region Code: 4100
Region Code Name: EP SE Rgnl Off
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Tank Seq Num: 017A
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
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Region Code Name: EP SE Rgnl Off
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BP LUBRICANTS USA WARMINSTER FAC (Continued)

Substance: New Motor Oil
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
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Region Code Name: EP SE Rgnl Off
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
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Region Code Name: EP SE Rgnl Off
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BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740

Region Code: 4100
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
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Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
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Mailing Address: 1500 VALLEY RD
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Client Id: 238617
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
BP LUBRICANTS USA WARMINSTER FAC (Continued)

Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
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Municipality: Warminster
Client Id: 238617
Site ID: 566685
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
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Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
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Inspection Code: Not reported

1001884740

TC01779758.1r Page 46
BP LUBRICANTS USA WARMINSTER FAC (Continued)

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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
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Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
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Region Code Name: EP SE Rgnl Off
Tank Code: AST
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Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
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Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
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TC01779758.1r Page 47
### BP LUBRICANTS USA WARMINSTER FAC (Continued)

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Municipality: Warminster  
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Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC  
Mailing Address: 1500 VALLEY RD  
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Mailing City, St, Zip: WAYNE, NJ 07470  
Municipality: Warminster  
Client Id: 238617  
Site ID: 566685  
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Mailing Name: BP LUBRICANTS USA INC  
Mailing Address: 1500 VALLEY RD  
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Mailing City, St, Zip: WAYNE, NJ 07470  
Municipality: Warminster  
Client Id: 238617  
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Regulated Exp Date: 2007-04-04 00:00:00

TC01779758.1r Page 48
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Mailing Address: 1500 VALLEY RD
Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617

BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740

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Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617

BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740

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BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740

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Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-14 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 038A
Tank Capacity: 3000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: Not reported
Tank Last Inspected: Not reported
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 038A
Tank Capacity: 3000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: Not reported
Tank Last Inspected: Not reported
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
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BP LUBRICANTS USA WARMINSTER FAC (Continued)

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Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 049A
Tank Capacity: 15000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-13 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 050A
Tank Capacity: 15000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-13 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City, St, Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 051A
Tank Capacity: 15000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service

TC01779758.1r Page 53
### BP LUBRICANTS USA WARMINSTER FAC (Continued)

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TC01779758.1r Page 54
BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740

Tank Seq Num: 054A
Tank Capacity: 15000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-12 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

Mailing Name: BP LUBRICANTS USA INC
Mailing Address: 1500 VALLEY RD
Mailing Address: Not reported
Mailing City,St,Zip: WAYNE, NJ 07470
Municipality: Warminster
Client Id: 238617
Site ID: 566685
Other Id: 09-29210
2nd Facility Addr: Not reported
Region Code: 4100
Region Code Name: EP SE Rgnl Off
Tank Code: AST
Tank Seq Num: 055A
Tank Capacity: 15000
Date Installed: Not reported
Substance: New Motor Oil
Tank Status: NMO
Inspection Code: In Service
Tank Last Inspected: 2002-08-12 00:00:00
Regulated Exp Date: 2007-04-04 00:00:00

ARCHIVE AST:
Facility ID: 09-29210
Site ID: Not reported
Tank ID: 77959
Tank Sequence #: 041A
Other Id: Not reported
Tank Code: Not reported
Client Id: Not reported
Municipality: Not reported
Install Date: 00000000
Status: CURRENTLY IN USE
Substance: NEW MOTOR OIL
Capacity: 00030000
Owner ID: 2741
Owner Name: CASTROL HEAVY DUTY LUBRICATIONS
Owner Phone: 2156745309
Owner Address: 1020 LOUIS DR
Owner Address 2: Not reported
Owner City,St,Zip: WARMINSTER, PA 18974
County Code: 09
Resp Party Name: Not reported
RP Address: Not reported
RP Address 2: Not reported
RP City,St,Zip: Not reported
Region Code: Not reported
Region Code Name: Not reported
Regulated Exp Date: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
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Tank Substance End Date: Not reported

Facility ID: 09-29210
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**BP LUBRICANTS USA WARMINSTER FAC (Continued) 1001884740**

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**Owner ID:** 2741
**Owner Name:** CASTROL HEAVY DUTY LUBRICATIONS
**Owner Phone:** 2156745309
**Owner Address:** 1020 LOUIS DR
**Owner Address 2:** Not reported
**Owner City,St,Zip:** WARMINSTER, PA 18974
**County Code:** 09
**Resp Party Name:** Not reported
**RP Address:** Not reported
**RP Address 2:** Not reported
**RP City,St,Zip:** Not reported
**Region Code:** Not reported
**Region Code Name:** Not reported
**Regulated Exp Date:** Not reported
**Inspection Code:** Not reported
**Last Inspection:** Not reported
**Status Code End Date:** Not reported
**Tank Substance End Date:** Not reported

**Facility ID:** 09-292110
**Site ID:** Not reported
**Facility ID:** 77961
**Site ID:** Not reported
**Facility ID:** 09-292110
**Site ID:** Not reported

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<th>77962</th>
<th>Tank Sequence #:</th>
<th>044A</th>
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<tr>
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<tr>
<td>Substance:</td>
<td>NEW MOTOR OIL</td>
<td>Capacity:</td>
<td>00030000</td>
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**Owner ID:** 2741
**Owner Name:** CASTROL HEAVY DUTY LUBRICATIONS
**Owner Phone:** 2156745309
**Owner Address:** 1020 LOUIS DR
**Owner Address 2:** Not reported
**Owner City,St,Zip:** WARMINSTER, PA 18974
**County Code:** 09
**Resp Party Name:** Not reported
**RP Address:** Not reported
**RP Address 2:** Not reported
**RP City,St,Zip:** Not reported
**Region Code:** Not reported
**Region Code Name:** Not reported
**Regulated Exp Date:** Not reported
**Inspection Code:** Not reported
**Last Inspection:** Not reported
**Status Code End Date:** Not reported
**Tank Substance End Date:** Not reported

**Facility ID:** 09-292110
**Site ID:** Not reported
**Facility ID:** 77962
**Site ID:** Not reported
**Facility ID:** 09-292110
**Site ID:** Not reported

**Note:** The document contains information about storage tanks, including ID numbers, capacities, and substances stored at the facility. The information is structured in a tabular format, with columns for site ID, facility ID, tank ID, tank sequence number, other ID, client ID, install date, status, and substance. The document also includes fields for owner information, such as name, phone, and address. The majority of the fields are not reported or contain placeholder text. The document is part of a larger dataset, indicated by the repeated entries and the continued numbering at the top right corner.
## MAP FINDINGS

<table>
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<tr>
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<th>Value</th>
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<td>MAP FINDINGS</td>
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<tr>
<td>BP LUBRICANTS USA WARMINSTER FAC (Continued)</td>
<td>1001884740</td>
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### Owner Information
- **Owner Phone:** 2156745309
- **Owner Address:** 1020 LOUIS DR
- **Owner City,St,Zip:** WARMINSTER, PA 18974

### Site Information
- **County Code:** 09

### Responsible Party Information
- **Resp Party Name:** Not reported

### Facility Details
- **Tank ID:** 77963
- **Other ID:** Not reported
- **Client ID:** Not reported
- **Install Date:** 00000000
- **Substance:** NEW MOTOR OIL
- **Capacity:** 00030000

### Regulatory Information
- **Client ID:** Not reported
- **Install Date:** Not reported
- **Substance End Date:** Not reported
- **Status Code End Date:** Not reported

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### Additional Details

**Facility ID:** 09-29210

**Tank ID:** 77964

**Other ID:** Not reported

**Client ID:** Not reported

**Install Date:** 00000000

**Substance:** NEW MOTOR OIL

**Capacity:** 00030000

**Owner ID:** 2741

**Owner Name:** CASTROL HEAVY DUTY LUBRICATIONS

**Owner Phone:** 2156745309

**Owner Address:** 1020 LOUIS DR

**Owner City,St,Zip:** WARMINSTER, PA 18974

**County Code:** 09

**Resp Party Name:** Not reported

**RP Address:** Not reported

**Region Code Name:** Not reported

**Regulated Exp Date:** Not reported

**Inspection Code:** Not reported

**Last Inspection:** Not reported

**Status Code End Date:** Not reported

**Tank Substance End Date:** Not reported

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**Facility ID:** 09-29210

**Tank ID:** 77964

**Other ID:** Not reported

**Client ID:** Not reported

**Install Date:** 00000000

**Substance:** NEW MOTOR OIL

**Capacity:** 00030000

**Owner ID:** 2741

**Owner Name:** CASTROL HEAVY DUTY LUBRICATIONS

**Owner Phone:** 2156745309

**Owner Address:** 1020 LOUIS DR

**Owner City,St,Zip:** WARMINSTER, PA 18974

**County Code:** 09

**Resp Party Name:** Not reported

**RP Address:** Not reported

**Region Code Name:** Not reported

**Regulated Exp Date:** Not reported

**Inspection Code:** Not reported

**Last Inspection:** Not reported

**Status Code End Date:** Not reported

**Tank Substance End Date:** Not reported

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**Facility ID:** 09-29210

**Tank ID:** 77964

**Other ID:** Not reported

**Client ID:** Not reported

**Install Date:** 00000000

**Substance:** NEW MOTOR OIL

**Capacity:** 00030000

**Owner ID:** 2741

**Owner Name:** CASTROL HEAVY DUTY LUBRICATIONS

**Owner Phone:** 2156745309

**Owner Address:** 1020 LOUIS DR

**Owner City,St,Zip:** WARMINSTER, PA 18974

**County Code:** 09

**Resp Party Name:** Not reported

**RP Address:** Not reported

**Region Code Name:** Not reported

**Regulated Exp Date:** Not reported

**Inspection Code:** Not reported

**Last Inspection:** Not reported

**Status Code End Date:** Not reported

**Tank Substance End Date:** Not reported

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**Facility ID:** 09-29210

**Tank ID:** 77964

**Other ID:** Not reported

**Client ID:** Not reported

**Install Date:** 00000000

**Substance:** NEW MOTOR OIL

**Capacity:** 00030000

**Owner ID:** 2741

**Owner Name:** CASTROL HEAVY DUTY LUBRICATIONS

**Owner Phone:** 2156745309

**Owner Address:** 1020 LOUIS DR

**Owner City,St,Zip:** WARMINSTER, PA 18974

**County Code:** 09

**Resp Party Name:** Not reported

**RP Address:** Not reported

**Region Code Name:** Not reported

**Regulated Exp Date:** Not reported

**Inspection Code:** Not reported

**Last Inspection:** Not reported

**Status Code End Date:** Not reported

**Tank Substance End Date:** Not reported
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<th>Elevation</th>
<th>Region Code</th>
<th>Region Code Name</th>
<th>Status Code End Date</th>
<th>Last Inspection</th>
<th>Inspection Code</th>
<th>Regulated Exp Date</th>
<th>Region Code Name</th>
<th>Region Code</th>
<th>RP Address 2</th>
<th>RP City,St,Zip</th>
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**BP LUBRICANTS USA WARMINSTER FAC (Continued)**

RP Address 2: Not reported
RP City,St,Zip: Not reported
Region Code: Not reported
Region Code Name: Not reported
Regulated Exp Date: Not reported
Inspection Code: Not reported
Last Inspection: Not reported
Status Code End Date: Not reported
Tank Substance End Date: Not reported

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**12 DELMAR PROD NW 995 LOUISE DR 1/4-1/2 WARMINSTER, PA 2537 ft.**

<table>
<thead>
<tr>
<th>Relative:</th>
<th>LUST:</th>
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<tbody>
<tr>
<td>Lower</td>
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</tr>
<tr>
<td>Actual:</td>
<td>Facility Id: 09-46061</td>
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<tr>
<td>275 ft.</td>
<td>Facility Type: Underground Storage Tank Containing Petroleum</td>
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<td>Facility Status: Cleanup Completed</td>
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<td></td>
<td>Status Date: 1994-11-09 00:00:00</td>
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<td>Release Date: 1989-08-05 00:00:00</td>
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<td></td>
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<td>Description: DELMAR PROD INC</td>
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LUST: S101473593 N/A
## EPA Waste Codes Addendum

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>D001</td>
<td>IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.</td>
</tr>
<tr>
<td>D002</td>
<td>A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.</td>
</tr>
<tr>
<td>D009</td>
<td>MERCURY</td>
</tr>
<tr>
<td>D010</td>
<td>SELENIUM</td>
</tr>
<tr>
<td>D035</td>
<td>METHYL ETHYL KETONE</td>
</tr>
<tr>
<td>D039</td>
<td>TETRACHLOROETHYLENE</td>
</tr>
<tr>
<td>D040</td>
<td>TRICHLOROETHYLENE</td>
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<tr>
<td>F002</td>
<td>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 LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.</td>
</tr>
<tr>
<td>F003</td>
<td>THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.</td>
</tr>
<tr>
<td>F005</td>
<td>THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOButANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.</td>
</tr>
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</table>
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.

**FEDERAL RECORDS**

**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.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
<th>Date Data Arrived at EDR</th>
<th>Date Made Active in Reports</th>
<th>Number of Days to Update</th>
<th>Source</th>
<th>Telephone</th>
<th>Last EDR Contact</th>
<th>Next Scheduled EDR Contact</th>
<th>Data Release Frequency</th>
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<td>08/02/2006</td>
<td>09/12/2006</td>
<td>41</td>
<td>EPA</td>
<td>N/A</td>
<td>08/02/2006</td>
<td>10/30/2006</td>
<td>Quarterly</td>
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</tbody>
</table>

**NPL Site Boundaries**

**Sources:**
- EPA’s Environmental Photographic Interpretation Center (EPIC)
  Telephone: 202-564-7333
- EPA Region 1 Telephone 617-918-1143
- EPA Region 2 Telephone 215-814-5418
- EPA Region 3 Telephone 404-562-8033
- EPA Region 4 Telephone 312-886-6686
- EPA Region 5 Telephone 206-533-8665
- EPA Region 6 Telephone 214-655-6659
- EPA Region 7 Telephone 913-551-7247
- EPA Region 8 Telephone 303-312-6774
- EPA Region 9 Telephone 415-947-4246

**Proposed NPL:** Proposed National Priority List Sites

<table>
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<tr>
<th>Date of Government Version</th>
<th>Date Data Arrived at EDR</th>
<th>Date Made Active in Reports</th>
<th>Number of Days to Update</th>
<th>Source</th>
<th>Telephone</th>
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<tr>
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<td>EPA</td>
<td>N/A</td>
<td>08/02/2006</td>
<td>10/30/2006</td>
<td>Quarterly</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Date of Government Version</th>
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<th>Number of Days to Update</th>
<th>Source</th>
<th>Telephone</th>
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<th>Data Release Frequency</th>
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<tr>
<td>07/05/2006</td>
<td>08/02/2006</td>
<td>09/12/2006</td>
<td>41</td>
<td>EPA</td>
<td>N/A</td>
<td>08/02/2006</td>
<td>10/30/2006</td>
<td>Quarterly</td>
</tr>
</tbody>
</table>
NPL RECOVERY: 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.

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  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/19/2006  
Date Data Arrived at EDR: 06/22/2006  
Date Made Active in Reports: 08/23/2006  
Number of Days to Update: 62  
Next Scheduled EDR Contact: 12/18/2006  
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 07/17/2006  
Date Data Arrived at EDR: 08/02/2006  
Date Made Active in Reports: 09/12/2006  
Number of Days to Update: 41  
Next Scheduled EDR Contact: 12/18/2006  
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 04/13/2006  
Number of Days to Update: 27  
Next Scheduled EDR Contact: 12/04/2006  
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information
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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006  Source: EPA
Date Data Arrived at EDR: 06/28/2006  Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006  Last EDR Contact: 09/28/2006
Number of Days to Update: 56  Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

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: 12/31/2005  Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006  Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006  Last EDR Contact: 07/25/2006
Number of Days to Update: 40  Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/03/2006  Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006  Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006  Last EDR Contact: 10/18/2006
Number of Days to Update: 35  Next Scheduled EDR Contact: 01/15/2007
Data Release Frequency: Annually

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: 03/21/2006  Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006  Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006  Last EDR Contact: 09/07/2006
Number of Days to Update: 56  Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
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: 03/21/2006  Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006  Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006  Last EDR Contact: 09/07/2006
Number of Days to Update: 56  Next Scheduled EDR Contact: 10/02/2006
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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177
Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

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: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA’s Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA’s Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006
Date Data Arrived at EDR: 07/13/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 55
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Semi-Annually

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: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

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: 07/10/2006
Date Data Arrived at EDR: 07/21/2006
Date Made Active in Reports: 09/06/2006
Number of Days to Update: 47
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/02/2006
Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Annually
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: 11/04/2005  Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005  Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006  Last EDR Contact: 09/05/2006
Number of Days to Update: 63  Next Scheduled EDR Contact: 12/18/2006
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  Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004  Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004  Last EDR Contact: 06/09/2004
Number of Days to Update: 39  Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006  Source: EPA
Date Data Arrived at EDR: 07/21/2006  Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006  Last EDR Contact: 10/02/2006
Number of Days to Update: 32  Next Scheduled EDR Contact: 01/01/2007
Data Release Frequency: Quarterly

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: 12/31/2004  Source: EPA
Date Data Arrived at EDR: 06/22/2006  Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006  Last EDR Contact: 09/22/2006
Number of Days to Update: 62  Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Annually

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: 12/31/2002  Source: EPA
Date Data Arrived at EDR: 04/14/2006  Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006  Last EDR Contact: 10/18/2006
Number of Days to Update: 46  Next Scheduled EDR Contact: 01/15/2007
Data Release Frequency: Every 4 Years

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: 07/14/2006  Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006  Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006  Last EDR Contact: 09/18/2006
Number of Days to Update: 50  Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Quarterly
**FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

<table>
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<td>12/18/2006</td>
<td>Next Scheduled EDR Contact: 12/18/2006</td>
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</table>

**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.

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<td>05/11/2006</td>
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</table>

**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.

<table>
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</table>

**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.

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<th>Date</th>
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<tbody>
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**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.

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**MINES:** Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

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<td>12/25/2006</td>
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<td>05/16/2006</td>
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<tr>
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</table>
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).

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.

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.

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.

STATE AND LOCAL RECORDS

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.

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.
SWF/LF: Operating Facilities

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/31/2006
Date Made Active in Reports: 05/04/2006
Number of Days to Update: 34
Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 09/21/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Semi-Annually

HIST LF: Abandoned Landfill Inventory

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.

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: 09/18/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Varies

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 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.

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

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.

Date of Government Version: 06/14/2006
Date Data Arrived at EDR: 07/12/2006
Date Made Active in Reports: 08/18/2006
Number of Days to Update: 37
Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 10/12/2006
Next Scheduled EDR Contact: 01/08/2007
Data Release Frequency: Semi-Annually

UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002
Date Data Arrived at EDR: 08/14/2003
Date Made Active in Reports: 08/29/2003
Number of Days to Update: 15
Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 08/14/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned
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:** 06/01/2006
- **Source:** Department of Environmental Protection
- **Telephone:** 717-772-5599
- **Next Scheduled EDR Contact:** 01/08/2007
- **Data Release Frequency:** Varies

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:** 06/01/2006
- **Source:** Department of Environmental Protection
- **Telephone:** 717-772-5599
- **Next Scheduled EDR Contact:** 01/08/2007
- **Data Release Frequency:** Varies

LAST: Storage Tank Release Sites

Leaking Aboveground Storage Tank Incident Reports.

- **Date of Government Version:** 06/14/2006
- **Source:** Department of Environmental Protection
- **Telephone:** 717-783-7509
- **Next Scheduled EDR Contact:** 01/08/2007
- **Data Release Frequency:** Semi-Annually

AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

- **Date of Government Version:** 06/01/2006
- **Source:** Department of Environmental Protection
- **Telephone:** 717-772-5599
- **Next Scheduled EDR Contact:** 01/08/2007
- **Data Release Frequency:** Semi-Annually

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:** 06/01/2006
- **Source:** Department of Environmental Protection
- **Telephone:** 717-772-5599
- **Next Scheduled EDR Contact:** 01/08/2007
- **Data Release Frequency:** Varies

MANIFEST: Manifest Information

Hazardous waste manifest information.

- **Date of Government Version:** 12/31/2005
- **Source:** Department of Environmental Protection
- **Telephone:** N/A
- **Next Scheduled EDR Contact:** 12/11/2006
- **Data Release Frequency:** 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:** 09/19/2006
- **Date Data Arrived at EDR:** 09/20/2006
- **Date Made Active in Reports:** 09/29/2006
- **Number of Days to Update:** 9

**Source:** Department of Environmental Protection

**Telephone:** 717-783-9470

**Last EDR Contact:** 09/11/2006

**Next Scheduled EDR Contact:** 11/13/2006

**Data Release Frequency:** Varies

**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:** 07/03/2006
- **Date Data Arrived at EDR:** 08/21/2006
- **Date Made Active in Reports:** 09/29/2006
- **Number of Days to Update:** 39

**Source:** Department of Environmental Protection

**Telephone:** 717-783-9470

**Last EDR Contact:** 08/16/2006

**Next Scheduled EDR Contact:** 11/13/2006

**Data Release Frequency:** Varies

**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:** 07/03/2006
- **Date Data Arrived at EDR:** 08/21/2006
- **Date Made Active in Reports:** 09/29/2006
- **Number of Days to Update:** 39

**Source:** Department of Environmental Protection

**Telephone:** 717-783-9470

**Last EDR Contact:** 08/16/2006

**Next Scheduled EDR Contact:** 11/13/2006

**Data Release Frequency:** Varies

**VCP:** Voluntary Cleanup Program Sites

Sites involved in the Voluntary Cleanup Program

- **Date of Government Version:** 09/19/2006
- **Date Data Arrived at EDR:** 09/20/2006
- **Date Made Active in Reports:** 09/29/2006
- **Number of Days to Update:** 9

**Source:** Department of Environmental Protection

**Telephone:** 717-783-2388

**Last EDR Contact:** 09/11/2006

**Next Scheduled EDR Contact:** 11/13/2006

**Data Release Frequency:** Semi-Annually

**DRYCLEANERS:** Drycleaner Facility Locations

A listing of drycleaner facility locations.

- **Date of Government Version:** 07/20/2006
- **Date Data Arrived at EDR:** 07/20/2006
- **Date Made Active in Reports:** 08/18/2006
- **Number of Days to Update:** 29

**Source:** Department of Environmental Protection

**Telephone:** 717-787-9702

**Last EDR Contact:** 10/16/2006

**Next Scheduled EDR Contact:** 01/15/2007

**Data Release Frequency:** Varies
GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Sites

- Date of Government Version: 09/13/2006
- Source: Department of Environmental Protection
- Date Data Arrived at EDR: 09/15/2006
- Telephone: 717-783-7509
- Date Made Active in Reports: 09/29/2006
- Last EDR Contact: 09/11/2006
- Number of Days to Update: 14
- Next Scheduled EDR Contact: 11/13/2006
- Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data

- Permit and emissions inventory data.
- Date of Government Version: 12/31/2004
- Source: Department of Environmental Protection
- Date Data Arrived at EDR: 05/03/2006
- Telephone: 717-787-9702
- Date Made Active in Reports: 06/06/2006
- Last EDR Contact: 07/24/2006
- Number of Days to Update: 34
- Next Scheduled EDR Contact: 10/23/2006
- Data Release Frequency: Annually

TRIBAL RECORDS

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: 12/31/2004
- Source: USGS
- Date Data Arrived at EDR: 02/08/2005
- Telephone: 202-208-3710
- Date Made Active in Reports: 08/04/2005
- Last EDR Contact: 08/11/2006
- Number of Days to Update: 177
- Next Scheduled EDR Contact: 11/06/2006
- Data Release Frequency: Semi-Annually

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: 06/08/2006
- Source: EPA Region 1
- Date Data Arrived at EDR: 06/09/2006
- Telephone: 617-918-1313
- Date Made Active in Reports: 06/28/2006
- Last EDR Contact: 08/21/2006
- Number of Days to Update: 19
- Next Scheduled EDR Contact: 11/20/2006
- 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: 06/01/2006
- Source: EPA Region 7
- Date Data Arrived at EDR: 07/10/2006
- Telephone: 913-551-7003
- Date Made Active in Reports: 09/12/2006
- Last EDR Contact: 08/21/2006
- Number of Days to Update: 64
- Next Scheduled EDR Contact: 11/20/2006
- 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: 06/01/2006
- Source: Environmental Protection Agency
- Date Data Arrived at EDR: 06/23/2006
- Telephone: 415-972-3372
- Date Made Active in Reports: 08/02/2006
- Last EDR Contact: 08/21/2006
- Number of Days to Update: 40
- Next Scheduled EDR Contact: 11/20/2006
- Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

- Date of Government Version: 06/08/2006
- Source: EPA Region 10
- Date Data Arrived at EDR: 06/09/2006
- Telephone: 206-553-2857
- Date Made Active in Reports: 07/28/2006
- Last EDR Contact: 08/21/2006
- Number of Days to Update: 49
- Next Scheduled EDR Contact: 11/20/2006
- Data Release Frequency: Quarterly
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: 06/06/2006  
Date Data Arrived at EDR: 06/09/2006  
Date Made Active in Reports: 07/28/2006  
Number of Days to Update: 49  
Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.
Date of Government Version: 01/04/2005  
Date Data Arrived at EDR: 01/21/2005  
Date Made Active in Reports: 02/28/2005  
Number of Days to Update: 38  
Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
Date of Government Version: 06/30/2006  
Date Data Arrived at EDR: 07/03/2006  
Date Made Active in Reports: 09/06/2006  
Number of Days to Update: 65  
Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
Date of Government Version: 12/02/2004  
Date Data Arrived at EDR: 12/29/2004  
Date Made Active in Reports: 02/04/2005  
Number of Days to Update: 37  
Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
Date of Government Version: 06/06/2006  
Date Data Arrived at EDR: 06/09/2006  
Date Made Active in Reports: 07/28/2006  
Number of Days to Update: 49  
Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
Date of Government Version: 06/08/2006  
Date Data Arrived at EDR: 06/09/2006  
Date Made Active in Reports: 07/28/2006  
Number of Days to Update: 49  
Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.
Date of Government Version: 06/08/2006  
Date Data Arrived at EDR: 06/09/2006  
Date Made Active in Reports: 06/30/2006  
Number of Days to Update: 21  
Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 08/21/2006  
Next Scheduled EDR Contact: 11/20/2006  
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
### Indian UST R9: Underground Storage Tanks on Indian Land

| Date of Government Version: 06/01/2006 | Source: EPA Region 9 |
| Date Data Arrived at EDR: 06/23/2006 | Telephone: 415-972-3368 |
| Date Made Active in Reports: 08/02/2006 | Last EDR Contact: 08/21/2006 |
| Number of Days to Update: 40 | Next Scheduled EDR Contact: 11/20/2006 |
| Data Release Frequency: Quarterly |

### EDR Proprietary Records

**Manufactured Gas Plants:** 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 | Source: EDR, Inc. |
| Date Data Arrived at EDR: N/A | Telephone: N/A |
| Date Made Active in Reports: N/A | Last EDR Contact: N/A |
| Number of Days to Update: N/A | Next Scheduled EDR Contact: N/A |
| Data Release Frequency: No Update Planned |

### 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: 12/31/2004 | Source: Department of Environmental Protection |
| Date Data Arrived at EDR: 02/17/2006 | Telephone: 860-424-3375 |
| Date Made Active in Reports: 04/07/2006 | Last EDR Contact: 09/11/2006 |
| Number of Days to Update: 49 | Next Scheduled EDR Contact: 12/11/2006 |
| Data Release Frequency: Annually |

**NJ Manifest:** Manifest Information

Hazardous waste manifest information.

| Date of Government Version: 06/01/2006 | Source: Department of Environmental Protection |
| Date Data Arrived at EDR: 07/06/2006 | Telephone: N/A |
| Date Made Active in Reports: 08/01/2006 | Last EDR Contact: 10/05/2006 |
| Number of Days to Update: 26 | Next Scheduled EDR Contact: 01/01/2007 |
| Data Release Frequency: Annually |
### 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.

<table>
<thead>
<tr>
<th>Date of Government Version: 08/01/2006</th>
<th>Source: Department of Environmental Conservation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Data Arrived at EDR: 08/30/2006</td>
<td>Telephone: 518-402-8651</td>
</tr>
<tr>
<td>Date Made Active in Reports: 10/16/2006</td>
<td>Last EDR Contact: 08/30/2006</td>
</tr>
<tr>
<td>Number of Days to Update: 47</td>
<td>Next Scheduled EDR Contact: 11/27/2006</td>
</tr>
<tr>
<td>Data Release Frequency: Annually</td>
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</tr>
</tbody>
</table>

### RI MANIFEST: Manifest Information

Hazardous waste manifest information.

<table>
<thead>
<tr>
<th>Date of Government Version: 09/30/2005</th>
<th>Source: Department of Environmental Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Data Arrived at EDR: 05/09/2006</td>
<td>Telephone: 401-222-2797</td>
</tr>
<tr>
<td>Date Made Active in Reports: 05/24/2006</td>
<td>Last EDR Contact: 09/18/2006</td>
</tr>
<tr>
<td>Number of Days to Update: 15</td>
<td>Next Scheduled EDR Contact: 12/18/2006</td>
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<tr>
<td>Data Release Frequency: Annually</td>
<td></td>
</tr>
</tbody>
</table>

### VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

<table>
<thead>
<tr>
<th>Date of Government Version: 12/31/2005</th>
<th>Source: Department of Environmental Conservation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Data Arrived at EDR: 06/29/2006</td>
<td>Telephone: 802-241-3443</td>
</tr>
<tr>
<td>Date Made Active in Reports: 07/31/2006</td>
<td>Last EDR Contact: 08/15/2006</td>
</tr>
<tr>
<td>Number of Days to Update: 32</td>
<td>Next Scheduled EDR Contact: 11/13/2006</td>
</tr>
<tr>
<td>Data Release Frequency: Annually</td>
<td></td>
</tr>
</tbody>
</table>

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

<table>
<thead>
<tr>
<th>Date of Government Version: 12/31/2005</th>
<th>Source: Department of Natural Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Data Arrived at EDR: 03/17/2006</td>
<td>Telephone: N/A</td>
</tr>
<tr>
<td>Date Made Active in Reports: 05/02/2006</td>
<td>Last EDR Contact: 10/09/2006</td>
</tr>
<tr>
<td>Number of Days to Update: 46</td>
<td>Next Scheduled EDR Contact: 01/08/2007</td>
</tr>
<tr>
<td>Data Release Frequency: Annually</td>
<td></td>
</tr>
</tbody>
</table>

### Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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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.
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, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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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.
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 North

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.
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
Target Property County: BUCKS, PA
Flood Plain Panel at Target Property: 0000000000
Additional Panels in search area:
- 4202090005B
- 4209880015B
- 420990001C
- 4209900002C

NATIONAL WETLAND INVENTORY
NWI Quad at Target Property: HATBORO

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.

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>LOCATION</th>
<th>GENERAL DIRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>144</td>
<td>1/4 - 1/2 Mile WNW</td>
<td>NNE</td>
</tr>
<tr>
<td>221</td>
<td>1/2 - 1 Mile SW</td>
<td>SSW</td>
</tr>
<tr>
<td>270</td>
<td>1/2 - 1 Mile SW</td>
<td>S</td>
</tr>
</tbody>
</table>

For additional site information, refer to Physical Setting Source Map Findings.
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

<table>
<thead>
<tr>
<th>Era:</th>
<th>Mesozoic</th>
</tr>
</thead>
<tbody>
<tr>
<td>System:</td>
<td>Triassic</td>
</tr>
<tr>
<td>Series:</td>
<td>Triassic</td>
</tr>
<tr>
<td>Code:</td>
<td>Tr</td>
</tr>
</tbody>
</table>

GEOLOGIC AGE IDENTIFICATION

| Category: | Stratified Sequence |

(decoded above as Era, System & Series)

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: URBAN LAND
- Soil Surface Texture: variable
- Hydrologic Group: Not reported
- Soil Drainage Class: Not reported
- Hydric Status: Soil does not meet the requirements for a hydric soil.
- Corrosion Potential - Uncoated Steel: Not Reported
- Depth to Bedrock Min: > 10 inches
- Depth to Bedrock Max: > 99 inches

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Classification</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
<td>Max: 2.00 Min: 0.60</td>
<td>Max: 7.30 Min: 5.10</td>
</tr>
<tr>
<td>1</td>
<td>0 inches</td>
<td>variable</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Max: 0.00 Min: 0.00</td>
<td>Max: 0.00 Min: 0.00</td>
</tr>
<tr>
<td>2</td>
<td>10 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 2.00 Min: 0.60</td>
<td>Max: 7.80 Min: 5.10</td>
</tr>
<tr>
<td>3</td>
<td>49 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 2.00 Min: 0.20</td>
<td>Max: 8.40 Min: 6.60</td>
</tr>
</tbody>
</table>
## Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>6 inches</td>
<td>silt loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
<td>Max: 6.00 Min: 0.20</td>
<td>Max: 8.40 Min: 4.50</td>
</tr>
<tr>
<td>2</td>
<td>6 inches</td>
<td>60 inches</td>
<td>very channery-silt loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Gravels, Clean Gravels, Well-graded gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.</td>
<td>Max: 20.00 Min: 0.06</td>
<td>Max: 8.40 Min: 4.50</td>
</tr>
</tbody>
</table>

## Soil Map ID: 3

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Not reported
Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 99 inches

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>Lower</td>
<td>Soil Texture Class</td>
</tr>
<tr>
<td>1</td>
<td>0 inches</td>
<td>0 inches</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Soil Map ID: 4

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper</td>
<td>Lower</td>
<td>Soil Texture Class</td>
</tr>
<tr>
<td>1</td>
<td>0 inches</td>
<td>6 inches</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Soil Map ID: 5

Soil Component Name: CHALFONT

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: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.
Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 42 inches

Depth to Bedrock Max: > 96 inches

### Soil Layer Information

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>10 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
<td>Max: 2.00 Min: 0.60</td>
</tr>
<tr>
<td>2</td>
<td>10 inches</td>
<td>21 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
<td>Max: 2.00 Min: 0.60</td>
</tr>
<tr>
<td>3</td>
<td>21 inches</td>
<td>57 inches</td>
<td>silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
<td>Max: 0.20 Min: 0.06</td>
</tr>
<tr>
<td>4</td>
<td>57 inches</td>
<td>70 inches</td>
<td>shaly - silt loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.</td>
<td>Max: 0.60 Min: 0.06</td>
</tr>
</tbody>
</table>

---

**Soil Map ID:** 6

**Soil Component Name:** LAWRENCEVILLE

**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. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.
Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches
Depth to Bedrock Max: > 60 inches

<table>
<thead>
<tr>
<th>Layer</th>
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<th>Unified Soil</th>
<th>Permeability Rate (in/hr)</th>
<th>Soil Reaction (pH)</th>
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Soil Map ID: 7

Soil Component Name: CHALFONT

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: Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.
Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 42 inches

Depth to Bedrock Max: > 96 inches

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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.

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### A1

**Direction:** WSW  
**Distance:** 0 - 1/8 Mile  
**Elevation:** Higher

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<td>Date inventoried:</td>
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<td>Date construction:</td>
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<td>Single well, other than collector or Ranney type</td>
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<td>STOCKTON FORMATION</td>
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<tr>
<td>Well depth:</td>
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<td>Hole depth:</td>
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<td>Source of depth data:</td>
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**Ground-water levels, Number of Measurements:** 1

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### A2

**Direction:** WSW  
**Distance:** 0 - 1/8 Mile  
**Elevation:** Higher

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<td>BUCKS</td>
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<td>AAPG:</td>
<td>231SCKX</td>
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<td>TOPOGRAPHY:</td>
<td>HILLSIDE</td>
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<td>ELEVATION:</td>
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QUAD: HATBoro
TYPEOFSITE: WELL
DATINGCREATE: Not Reported
DATEUPDATE: Not Reported
DATEREliability: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: IVYLAND BORO
LATITUDE: 40.205
LONGITUDE: -75.07417
DEPTH TO BED: 0
DATE DRILLED: Not Reported
PAGWIS ID: 5077

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 1
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: DUG
Finish: UNKNOWN

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: Not Reported
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: Not Reported
SWL: 16.7000007629395
W L Data Source: S
L Meas Method: STEEL TAPE
Prod W L: Not Reported
Drawdown: Not Reported
Spec Cap: Not Reported
Test Length: Not Reported
Site Status W L Meas: STATIC WATER LEVEL
Date Discharged: 09/01/1978 00:00:00

Owner Information:
Owner: SMITH
Date Ownership: 01/01/1978 00:00:00
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Ground-water levels, Number of Measurements: 1

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B4
NNW
0 - 1/8 Mile
Lower

WELLID: 401224075042501 LOCALWELLN: BK 2871
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELLDEPTH: 496
ELEVATION: 298
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: IVYLAND BORO
LATITUDEDD: 40.20667
LONGITUDED: -75.07361
**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: 09/01/1996 00:00:00

**Construction Information:**
- Construction Date: 09/01/1996 00:00:00
- Driller: 1
- Source Cons Data: INTERPRETED FROM LOGS
- Method Cons: AIR ROTARY
- Finish: OPEN HOLE

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 57
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6
- Casing: STEEL

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 57
- Hole Diameter: 10
- Top Of Hole: 57
- Bottom Of Hole: 496
- Hole Diameter: 6

**Geohydrologic Information:**
- A A P G: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: 0
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: TEST
- Water Use: UNUSED

**Owner Information:**
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 09/01/1996 00:00:00

---

**C5 East**
- **0 - 1/8 Mile Higher**

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TC01779758.1r   Page A-23

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 310  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Hilltop
Site type: Ground-water other than Spring  Date construction: 19700506
Date inventoried: Not Reported  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 110  Hole depth: Not Reported
Source of depth data: Not Reported  Project number: 444209300
Real time data flag: 0  Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00  Daily flow data count: 0
Peak flow data begin date: 0000-00-00  Peak flow data end date: 0000-00-00
Peak flow data count: 0  Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00  Water quality data count: 0
Ground water data begin date: 1978-07-06  Ground water data end date: 1978-07-06
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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C6  East  PA WELLS  PA1000000058240
0 - 1/8 Mile  Higher

WELLID: 401221075041601  LOCALWELLN: BK 997
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLTOP
WELDEPTH: 110
ELEVATION: 310
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20583
LONGITUDE: -75.07111
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5050

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported
Construction Information:
- Construction Date: 05/06/1970 00:00:00
- Driller: 0225
- Source Cons Data: DRILLER'S RECORD
- Method Cons: OTHER/UNKNOWN
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 30
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 110
- Hole Diameter: 6

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

Owner Information:
- Owner: BEARN, ROBERT
- Date Ownership: 05/06/1970 00:00:00

Other ID Information:
- Other Identifier: 1616
- Other I D Assignor: PAGS
### Ground-water levels

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### Construction Information

- **Construction Date:** 01/01/1948 00:00:00
- **Driller:** 0399
- **Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED
- **Method Cons:** CABLE TOOL
- **Finish:** OPEN HOLE

### Casing Information

- **Top Of Casing:** 0
- **Bottom Of Casing:** 62
- **Casing:** STEEL
- **Casing Diameter:** 6
- **Casing Wall Thickness:** Not Reported
**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 352
- Hole Diameter: 6

**Geohydrologic Information:**
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

**Production Information:**
- Discharge Type: PUMPED
- Data Source: O
- Discharge Meas Method: Not Reported
- Discharge: 76
- SWL: .0672284290194511
- W L Data Source: O
- W L Meas Method: Not Reported
- Prod W L: 32
- Drawdown: Not Reported
- Spec Cap: 2.38000011444092
- Test Length: 9
- Site Status W L Meas: Not Reported
- Date Discharged: 02/27/1948 00:00:00

**Owner Information:**
- Owner: U S NADC
- Date Ownership: 01/01/1948 00:00:00

**Other ID Information:**
- Other Identifier: 5
- Other I D Assignor: OWNER PA

---

**GeCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**A9**
**SSW**
**0 - 1/8 Mile**
**Higher**

**WELLID:** 401215075042502
**COUNTY:** BUCKS
**AAPG:** 231SCKNM
**TOPOGRAPHY:** VALLEY FLAT
**WELDEPTH:** 152
**ELEVATION:** 308
**ELEVMETHOD:** Not Reported
**ACCURACYOF:** 5
**HYDROLOGIC:** 02040202
**LATLONGACCURACY:** Not Reported
**QUAD:** HATBORO
**TYPEOFSITE:** WELL
**DATECREATE:** Not Reported
**DATEUPDATE:** Not Reported
**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
**SOURCE DEPTH DATA:** USGS OR PAGS
**MUNICIPALITY:** IVYLAND BORO
**LATITUDE:** 40.20417
**LONGITUDE:** -75.07361

**LOCALWELLN:** BK 2583

**PA WELLS** PA1000000058014
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42517

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 03/17/1994 00:00:00

Construction Information:
Construction Date: 03/17/1994 00:00:00
Driller: -000
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: Not Reported
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: Not Reported

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 20
Hole Diameter: 8
Top Of Hole: 20
Bottom Of Hole: 105
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 130
Bottom Open Interval: 150
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: OTHER

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/17/1994 00:00:00

Remarks Information:
Remark: GWSI originally listed the driller as 0330 RAAB
Remark Date: 12/07/1998 00:00:00
WELLID: 401215075042503  LOCALWELLN: BUCKS
COUNTY: BUCKS  AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT  WELLDEPTH: 151
ELEVATION: 308  ELEVATION: Not Reported
ACCURACYOF: 5  HYDROLOGIC: 02040202
LATLONGACCURACY: Not Reported  QUAD: HATBoro
TYPEOFSITE: WELL  DATECREATE: Not Reported
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: IVYLAND Boro  LATITUDEDD: 40.20417
LONGITUDEDD: -75.07361  DEPTHTOBED: 0
DATEDRILLEN: Not Reported  PAGWIS ID: 42518
Agency Use Section:
  Agency Use of Site: OBSERVATION  DATEUPDATE: Not Reported
  Agency Use Date: 03/17/1994 00:00:00
Construction Information:
  Construction Date: 03/17/1994 00:00:00  DATECREATE: Not Reported
  Driller: -000  SOURCE DEPTH DATA: USGS OR PAGS
  Method Cons: AIR ROTARY  PAGWIS ID: 42518
Casing Information:
  Top Of Casing: 0  Casing Wall Thickness: Not Reported
  Bottom Of Casing: Not Reported  Casing Diameter: Not Reported
  Casing: Not Reported
Hole Information:
  Top Of Hole: 0  Hole Diameter: 8
  Bottom Of Hole: 20
  Top Of Hole: 20
  Bottom Of Hole: 149  Hole Diameter: 6
Geohydrologic Information:
  A A P G: 231SCKNM  BOTTOM OF INTERVAL: Not Reported
  Lithology: SANDSTONE  Top Of Interval: 0
  Contributing Unit: PRIMARY
Water Use Information:
  Site Use: OBSERVATION
  Water Use: OTHER
Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/17/1994 00:00:00

Remarks Information:
Remark: GWSI originally listed the driller as 0330 RAAB
Remark Date: 12/07/1998 00:00:00

A11
SSW
0 - 1/8 Mile
Higher

Agency cd: USGS
Site name: BK 2582
Latitude: 401215
Longitude: 0750425
Dec ion: -75.07322631
Coor acc: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 308
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19940317
Type of ground water site: Single well, other than collector or Ranney type
Well depth: 151
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1994-03-21
Ground water data count: 1

Ground-water levels, Number of Measurements: 1
Feet below Surface Feet to Sealevel

1994-03-21 5.8
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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Ground-water levels, Number of Measurements: 1

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**A13 SSW 0 - 1/8 Mile Higher**

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<td>40.20427522</td>
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<tr>
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<tr>
<td>Coor accr:</td>
<td>S</td>
<td>Latlong datum:</td>
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<td>Dec latlong datum:</td>
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<td>Location map:</td>
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<td>Topographic:</td>
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Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 152 Hole depth: Not Reported
Source of depth data: reporting agency (generally USGS) Project number: 444223500
Real time data flag: 0
Daily flow data count: 0 Daily flow data begin date: 0000-00-00
Peak flow data count: 0 Peak flow data begin date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 0000-00-00
Water quality data count: 0 Water quality data end date: 0000-00-00
Ground water data begin date: 1994-03-21 Ground water data end date: 1994-03-21
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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A14
WSW
1/8 - 1/4 Mile
Higher

Agency cd: USGS Site no: 401218075043101
Site name: BK 2950
Latitude: 401218
Longitude: 0750431 Dec lat: 40.20510854
Dec lon: -75.07489301 Coor meth: M
Coor accru: S Latlong datum: NAD27
Dec latlong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 310 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Hilltop
Site type: Ground-water other than Spring Date construction: 19980707
Date inventoried: 19980714 Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 51 Hole depth: 51
Source of depth data: geologist Project number: 444223500
Real time data flag: 0
Daily flow data count: 0 Daily flow data begin date: 0000-00-00
Peak flow data count: 0 Peak flow data begin date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 0000-00-00
Water quality data count: 0 Water quality data end date: 0000-00-00
Ground water data begin date: 1998-07-14 Ground water data end date: 1998-07-14
Ground water data count: 1
A15  
WSW  
1/8 - 1/4 Mile  
Higher  

Ground-water levels, Number of Measurements: 1  

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<th>Feet to Sealevel</th>
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Note: Water level was affected by atmospheric pressure.

---

A16  
WSW  
1/8 - 1/4 Mile  
Higher  

Ground-water levels, Number of Measurements: 1  

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<th>Date</th>
<th>Feet below Surface</th>
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<tbody>
<tr>
<td>1998-07-07</td>
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Note: Water level was affected by atmospheric pressure.
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd: USGS  Site no: 401218075043102  
Site name: BK 2951  
Latitude: 401218  
Longitude: 0750431  
Dec lon: -75.07489301  
Dec latlong datum: NAD83  
State: 42  
Country: US  
Location map: HATBORO  
Altitude: 309  
Altitude accuracy: 5  
Topographic: Hilltop  
Site type: Ground-water other than Spring  
Date inventoried: 19980714  
Local standard time flag: Y  
Type of ground water site: Single well, other than collector or Ranney type  
Aquifer Type: Not Reported  
Well depth: 81  
Source of depth data: geologist  
Real time data flag: 0  
Daily flow data begin date: 0000-00-00  
Peak flow data begin date: 0000-00-00  
Peak flow data count: 0  
Ground water data begin date: 1998-07-07  
Ground water data count: 1  

Ground-water levels, Number of Measurements: 1

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<td>1998-07-07</td>
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Note: Water level was affected by atmospheric pressure.

17 North
1/8 - 1/4 Mile
Lower
FRDS PWS PA1091154

PWS ID: PA1091154  PWS Status: Active
Date Initiated: Not Reported  Date Deactivated: Not Reported
PWS Name: NORTHAMPTON IND PARK LOT 50
88 STEAMWHISTLE DRIVE
IVYLAND, PA 189740000

Addressee / Facility: Mailing
NORTHAMPTON IND PARK LOT 50
GLENDALE ENTERPRISES INC.
SHADY LANE & ROCKLEDGE AVENUE
ROCKLEDGE, PA 191110000

Facility Latitude: 40 12 28  Facility Longitude: 075 04 23
City Served: Not Reported  Population: 00000040
Treatment Class: Untreated  
PWS currently has or had major violation(s) or enforcement: Yes
### VIOLATIONS INFORMATION:

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<th>Vio. end Date</th>
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<th>Num required Samples</th>
<th>Analysis Result</th>
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Contaminant: CARBON TETRACHLORIDE
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Violation ID: 9656619
Enforcement Date: 1998-03-20
Analytical Value: 0000000.000000000
Enforcement ID: 96E0007
Enf. Action: State Formal NOV Issued

System Name: NORTHAMPTON IND PARK LOT 5
Violation Type: OCCT Study Recommendation
Contaminant: LEAD & COPPER RULE
Compliance Period: 1995-01-01 - 2015-12-31
Violation ID: 9656619
Enforcement Date: 1998-06-01
Analytical Value: 0000000.000000000
Enforcement ID: 96E0010
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WELLID: Not Reported
LOCALWELLN: X 1616
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 110
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
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MUNICIPALITY: IVYLAND BORO
LATITUDEDDD: 40.205
LONGITUDE: -75.07
DEPTHTOBED: 8
DATEDRILL: Not Reported
PAGWIS ID: 67302

Construction Information:
Construction Date: 01/01/1970 00:00:00
Driller: 0228
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 30
Casing Wall Thickness: Not Reported
Casing Diameter: 6
Casing: Not Reported
### Geohydrologic Information:
- **A A P G:** 231SCKN
- **Lithology:** SS
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** WITHDRAWAL
- **Water Use:** DOMESTIC

### Owner Information:
- **Owner:** BEARN STEWERT
- **Date Ownership:** Not Reported

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#### D19

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**PA WELLS** SPAW002725

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**PA WELLS** PA1000000058168

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LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDDD: 40.20528
LONGITUDEDDD: -75.06917
DEPTHTOBED: 0
DATEDRILLIE: Not Reported
PAGWIS ID: 5047

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 02/12/1980 00:00:00
Driller: 0330
Source Cons Data: DRILLER'S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 50
Casing Wall Thickness: Not Reported
Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0
Bottom Of Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 12
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 400
Hole Diameter: 8

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: UNUSED

Production Information:
Discharge Type: Not Reported
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: Not Reported
SWL: 4.63000011444092
W L Data Source: Z
W L Meas Method: STEEL TAPE
Prod W L: Not Reported
Drawdown: Not Reported
Spec Cap: Not Reported
Test Length: Not Reported
Site Status W L Meas: OTHER CONDITIONS AFFECT MEASURED WATER LEVEL
Date Discharged: 02/19/1980 00:00:00
Ground-water levels, Number of Measurements: 1

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<tr>
<td>Aquifer</td>
<td>Unconfined single aquifer</td>
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**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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<td>Type of ground water site</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Peak flow data begin date</td>
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TC01779758.1r Page A-44
Ground-water levels, Number of Measurements: 1

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**F24**  
**NW**  
**1/8 - 1/4 Mile Lower**  

**Agency cd:** USGS  
**Site name:** BK 2792  
**Latitude:** 401227  
**Longitude:** 0750433  
**Dec lon:** 75.07544855  
**Dec lat:** 40.20760849  
**Coor acc:** S  
**Coor meth:** M  
**Latlong datum:** NAD27  
**Dec latlong datum:** NAD83  
**District:** 42  
**State:** 42  
**County:** 017  
**Country:** US  
**Land net:** Not Reported  
**Location map:** HATBORO  
**Map scale:** 24000  
**Altitude:** 24000  
**Altitude datum:** NGVD29  
**Altitude accuracy:** M  
**Altitude method:** NGVD29  
**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.  
**Topographic:** Valley flat  
**Site type:** Ground-water other than Spring  
**Date inventoried:** 19950516  
**Date construction:** 19950516  
**Mean greenwich time offset:** EST  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** Not Reported  
**Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER  
**Well depth:** 242  
**Hole depth:** 242  
**Source of depth data:** reporting agency (generally USGS)  
**Project number:** 444223500  
**Real time data flag:** 0  
**Daily flow data end date:** 0000-00-00  
**Daily flow data count:** 0  
**Peak flow data begin date:** 0000-00-00  
**Peak flow data end date:** 0000-00-00  
**Peak flow data count:** 0  
**Water quality data end date:** 0000-00-00  
**Water quality data count:** 0  
**Ground water data begin date:** 1995-05-23  
**Ground water data end date:** 1995-05-23  
**Ground water data count:** 1

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**F25**  
**NW**  
**1/8 - 1/4 Mile Lower**  

**Agency cd:** USGS  
**Site no:** 401227075043302  
**Latitude:** 401227  
**Longitude:** 0750433  
**Dec lon:** 75.07544855  
**Dec lat:** 40.20760849  
**Coor acc:** S  
**Coor meth:** M  
**Latlong datum:** NAD27  
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**District:** 42  
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**Land net:** Not Reported  
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**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.  
**Topographic:** Valley flat  
**Site type:** Ground-water other than Spring  
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**Mean greenwich time offset:** EST  
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**Type of ground water site:** Single well, other than collector or Ranney type  
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Well ID: 5333N
Owner's Name: WARMINSTER
County: BUCKS
Latitude: 401215
Longitude: 750409
Quadrangle: HATBORO
Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Hydrologic Unit: 02040201
Topographic Setting: HILLSIDE
Water Usage: PUBLIC SUPPLY
Site Usage: TEST
Well Depth: 400
Finish: OPEN HOLE
Casing 1: 50
Casing1 Diameter(inches): 8
Casing2 Diameter(inches): Not Reported
Production WL: Not Reported
Yield (gpm): 40
Yield Measurement Method: Not Reported
Test Time: Not Reported
Driller: 330
Bedrock: Not Reported
Water Bearing Zone 1: Not Reported
Water Bearing Zone 2: Not Reported
Lithology: Not Reported
Municipality: WARMINSTER
Remark: TEST YIELD METHOD=WEIR
Aquifer: STOCKTON FORMATION
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation
Database
EDR ID Number

D27
ESE
1/8 - 1/4 Mile
Higher
PA WELLS
PA1000000058016

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Geohydrologic Information:

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Remarks Information:
Remark: TEST YIELD METHOD=WEIR
Remark Date: Not Reported

G28
West
1/8 - 1/4 Mile
Lower

WELLID: 401218075043701
LOCALWELLN: BK 1285
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLENSEPTH: 0
ELEVATION: 300
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 10
HYDROLOGIC: 02040201
LATLONACCURACY: ACCURATE TO +5 SECONDS
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATEREABILITY: OTHER/UNKNOWN/UNSPECIFIED
SOURCE DEPTH DATA: NOT FLD CHECKED, RPTING AGENCY CONSIDERS IT OK (DEP WSM, WWI web)
MUNICIPALITY: IVYLAND BORO
LATITUDEED: 40.205
LONGITUDE: -75.07694
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5045

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 1
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: OTHER/UNKNOWN
Finish: OPEN HOLE

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: INDUSTRIAL

Owner Information:
Owner: JN WAGNER & SONS INC
Date Ownership: 05/16/1988 00:00:00
### G29

**West**

1/8 - 1/4 Mile

Lower

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**Agency Use Section:**

- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

**Construction Information:**

- **Construction Date:** Not Reported
- **Driller:** 1
- **Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED
- **Method Cons:** OTHER/UNKNOWN
- **Finish:** OPEN HOLE

**Geohydrologic Information:**

- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**

- **Site Use:** WITHDRAWAL
- **Water Use:** INDUSTRIAL

**Owner Information:**

- **Owner:** JN WAGNER & SONS INC
- **Date Ownership:** 05/16/1988 00:00:00
Other ID Information:
Other Identifier: 2
Other I D Assignor: OWNER PA

G30
West
1/8 - 1/4 Mile
Lower

Agency cd: USGS
Site name: BK 1285
Latitude: 401218
Longitude: 0750437
Dec lon: -75.07655973
Coor accr: F
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 300
Altitude accuracy: 10
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19880721
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: Not Reported
Source of depth data: Not Reported
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data end date: Not Reported
Peak flow data count: Not Reported
Ground water data begin date: Not Reported
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

G31
West
1/8 - 1/4 Mile
Lower

Agency cd: USGS
Site name: BK 1286
Latitude: 401218
Longitude: 0750437
Dec lon: -75.07655973
Coor accr: F
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 300
Altitude accuracy: 10
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19870713
Mean greenwich time offset: EST
Note: The site had been pumped recently.
### Screen Opening Information:
- **Top Open Interval:** 90
- **Bottom Open Interval:** 100
- **Diameter Open Interval:** 2
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 15
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6
- **Casing Material:** STEEL

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 15
- **Hole Diameter:** 8

### Construction Information:
- **Construction Date:** 02/16/1994 00:00:00
- **Driller:** 0330
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

### Agency Use Section:
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/16/1995 00:00:00

### Map ID
- **Map ID:** E33 SE 1/8 - 1/4 Mile Higher
- **PA WELLS** PA1000000057910

### Casing Information:
- **Casing Diameter:** Not Reported
- **Bottom Of Casing:** 0
- **Top Of Casing:** Not Reported

### Screen Opening Information:
- **Screen Opening Information:**
  - **Top Open Interval:** 90
  - **Bottom Open Interval:** 100
  - **Diameter Open Interval:** 2
  - **Open Interval Material:** PLASTIC
  - **Opening:** SCREEN

### Screen Opening Information:
- **Screen Opening Information:**
  - **Top Open Interval:** 90
  - **Bottom Open Interval:** 100
  - **Diameter Open Interval:** 2
  - **Open Interval Material:** PLASTIC
  - **Opening:** SCREEN
Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/16/1994 00:00:00

Remarks Information:
- Remark: LSD- 2.0 TOC
- Remark Date: 02/17/1994 00:00:00

---

H34
SW
1/8 - 1/4 Mile
Higher

- WELLP: 4012100070543101
- LOCALWELLN: BK 2850
- COUNTY: BUCKS
- AAPG: 231SCKNM
- TOPOGRAPHY: FLAT SURFACE
- WELDEPTH: 112
- ELEVATION: 333
- ELEVMETHOD: Not Reported
- ACCURACYOF: 5
- HYDROLOGIC: 02040202
- LATLONACCURACY: Not Reported
- QUAD: HATBORO
- TYPEOFSITE: WELL
- DATEDCREATE: Not Reported
- DATEUPDATE: Not Reported
- DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- SOURCE DEPTH DATA: USGS OR PAGS
- MUNICIPALITY: IVYLAND BORO
- LATITUDEDD: 40.20278
- LONGITUDEDD: -75.07528
- DEPTHTOBED: 0
- DATEDRILLE: Not Reported
- PAGWIS ID: 42512

Agency Use Section:
- Agency Use of Site: OBSERVATION
- Agency Use Date: 08/15/1996 00:00:00

Construction Information:
- Construction Date: 08/15/1996 00:00:00
- Driller: 1
- Source Cons Data: INTERPRETED FROM LOGS
- Method Cons: AIR ROTARY
- Finish: OPEN HOLE
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 13
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 14
- Hole Diameter: 10
- Top Of Hole: 14
- Bottom Of Hole: 112
- Hole Diameter: 6

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: 0
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: TEST
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 08/15/1996 00:00:00

H35
SW
1/8 - 1/4 Mile
Higher
- Agency cd: USGS
- Site name: BK 2850
- Latitude: 401210
- Longitude: 0750431
- Dec lon: -75.07489305
- Dec lat: 40.20288635
- Coor accr: S
- Latlong datum: NAD83
- Distict: 42
- State: 42
- County: 017
- Country: US
- Land net: Not Reported
- Location map: HATBORO
- Map scale: 24000
- Altitude: 333
- Altitude accuracy: 5
- Altitude datum: NGVD29
- Topographic: Flat surface
- Site type: Ground-water other than Spring
- Date inventoried: 19960815
- Date construction: 19960815
- Mean greenwich time offset: EST
- Local standard time flag: Y
- Type of ground water site: Single well, other than collector or Ranney type
- Aquifer Type: Not Reported
- Aquifer: STOCKTON FORMATION
- Well depth: 112
- Hole depth: 115
- Source of depth data: reporting agency (generally USGS)
- Project number: Not Reported
- Real time data flag: 0
- Daily flow data begin date: 0000-00-00
- Daily flow data count: 0
- Peak flow data begin date: 0000-00-00
- Peak flow data end date: 0000-00-00

TC01779758.1r Page A-54
Ground-water levels, Number of Measurements: 1

Date                Feet below Surface  Feet to Sealevel
-----------------------------------------------
1996-08-15          6.24

I36
SE
1/8 - 1/4 Mile
Higher

Agency cd: USGS  Site no: 401213075040901
Site name: BK 2665
Latitude: 401213
Longitude: 0750409  Dec lat: 40.2037197
Dec lon: -75.08878175  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 326  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring  Date construction: 19940707
Date inventoried: 19940902  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 175  Hole depth: Not Reported
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: Not Reported  Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported  Daily flow data count: Not Reported
Peak flow data begin date: Not Reported  Peak flow data end date: Not Reported
Peak flow data count: Not Reported  Water quality data begin date: Not Reported
Water quality data end date: Not Reported  Water quality data count: Not Reported
Ground water data begin date: Not Reported  Ground water data end date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

I37
SE
1/8 - 1/4 Mile
Higher

TC01779758.1r  Page A-55
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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Ground-water levels, Number of Measurements: 0

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**I38**

**ESE**

1/8 - 1/4 Mile

**Higher**

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TC01779758.1r  Page A-56
### I39

**ESE**  
1/8 - 1/4 Mile  
Higher

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<td>Topographic:</td>
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<td>Site type:</td>
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<td>Single well, other than collector or Ranney type</td>
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<td>Aquifer Type:</td>
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Ground-water levels, Number of Measurements: 0

### I40

**ESE**  
1/8 - 1/4 Mile  
Higher

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<td>S</td>
<td>Latlong datum:</td>
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<td>Dec latlong datum:</td>
<td>NAD83</td>
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<td>State:</td>
<td>42</td>
<td>County:</td>
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</tr>
<tr>
<td>Country:</td>
<td>US</td>
<td>Land net:</td>
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<tr>
<td>Location map:</td>
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Ground-water levels, Number of Measurements: 0
Ground-water levels, Number of Measurements: 0

J41
ESE
1/4 - 1/2 Mile

WELLID: 401217075040502
LOCALWELLN: BK 2591

COUNTY: BUCKS
AAPG: 231SCKNM

TOPOGRAPHY: VALLEY FLAT
WELLDEPTH: 142
ELEVATION: 305
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGLACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)

SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20472
LONGITUDE: -75.06806
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42519

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/15/1995 00:00:00

Construction Information:
Construction Date: 03/02/1994 00:00:00
Driller: 1
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN
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<thead>
<tr>
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<th><strong>Casing Wall Thickness:</strong></th>
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<tbody>
<tr>
<td>Top Of Casing: 0</td>
<td>Casing Diameter: 6</td>
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<td>Bottom Of Casing: 20</td>
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<td>Casing: STEEL</td>
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<table>
<thead>
<tr>
<th><strong>Hole Information:</strong></th>
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<th><strong>8</strong></th>
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<tr>
<td>Top Of Hole: 0</td>
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<tr>
<td>Bottom Of Hole: 20</td>
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<tr>
<td>Top Of Hole: 8</td>
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<td>Bottom Of Hole: 145</td>
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<th><strong>Screen Opening Information:</strong></th>
<th><strong>Diameter Open Interval:</strong></th>
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<tr>
<td>Top Open Interval: 26</td>
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<td>Bottom Open Interval: 49</td>
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<td>Open Interval Material: PLASTIC</td>
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<td>Opening: SCREEN</td>
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<table>
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<tr>
<th><strong>Geohydrologic Information:</strong></th>
<th><strong>Bottom Of Interval:</strong></th>
<th><strong>Not Reported</strong></th>
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<tbody>
<tr>
<td>A A P G: 231SCKNM</td>
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<td>Lithology: Not Reported</td>
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<tr>
<td>Contributing Unit: PRIMARY</td>
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<td>Top Of Interval: Not Reported</td>
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<td>Bottom Of Interval: Not Reported</td>
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<th><strong>Water Use Information:</strong></th>
<th><strong>Observation</strong></th>
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<td>Water Use:</td>
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<th><strong>NAVAL AIR WARFARE CENTER</strong></th>
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<tr>
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<td>Date Ownership:</td>
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<tr>
<td>Remark:</td>
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<td>Remark Date:</td>
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<tr>
<th><strong>Other ID Information:</strong></th>
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<tr>
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<td>HN-25-S</td>
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<td>Other I D Assignor:</td>
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**J42**

**ESE**

**1/4 - 1/2 Mile**

**Lower**

<table>
<thead>
<tr>
<th><strong>Agency cd:</strong></th>
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<td><strong>Site name:</strong></td>
<td>BK 2590</td>
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<tr>
<td><strong>Latitude:</strong></td>
<td>401217</td>
</tr>
<tr>
<td><strong>Longitude:</strong></td>
<td>0750405</td>
</tr>
<tr>
<td><strong>Dec lon:</strong></td>
<td>-75.06776059</td>
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<tr>
<td><strong>Dec lat:</strong></td>
<td>40.20483079</td>
</tr>
<tr>
<td><strong>Dec latlong datum:</strong></td>
<td>NAD27</td>
</tr>
<tr>
<td><strong>State:</strong></td>
<td>42</td>
</tr>
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<td><strong>County:</strong></td>
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<tr>
<td><strong>Country:</strong></td>
<td>US</td>
</tr>
<tr>
<td><strong>Location map:</strong></td>
<td>HATBORO</td>
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<tr>
<td><strong>Map scale:</strong></td>
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<td><strong>Altitude:</strong></td>
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<td><strong>Altitude method:</strong></td>
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<tr>
<td><strong>Topographic:</strong></td>
<td>Valley flat</td>
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<tr>
<td><strong>Site type:</strong></td>
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<td><strong>Date construction:</strong></td>
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<td><strong>Date inventoried:</strong></td>
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<td><strong>Mean greenwich time offset:</strong></td>
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### Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<tbody>
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<td>1994-03-07</td>
<td>7.8</td>
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Note: The site had been pumped recently.

---

### J43

**Agency cd:** USGS  
**Site name:** BK 2591  
**Latitude:** 401217  
**Longitude:** 0750405  
**Dec lon:** -75.06767059  
**Dec lat:** 40.20483079  
**Coor accr:** S  
**Coor meth:** M  
**Land net:** Not Reported  
**Map scale:** 24000  
**Altitude datum:** NGVD29  
**Altitude method:** M  
**Altitude:** 24000  
**Mean greenwich time offset:** EST  
**CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.**  
**Topographic:** Valley flat  
**Hydrologic:**  
**Date inventoried:** 19950615  
**Date construction:** 19940302  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** Not Reported  
**Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER  
**Well depth:** 142  
**Hole depth:** 145  

---

### ESE

**Agency cd:** USGS  
**Site no:** 401217075040502  
**Latitude:** 401217  
**Longitude:** 0750405  
**Dec lon:** -75.06767059  
**Dec lat:** 40.20483079  
**Coor accr:** S  
**Coor meth:** M  
**Land net:** Not Reported  
**Map scale:** 24000  
**Altitude datum:** NGVD29  
**Altitude method:** M  
**Altitude:** 24000  
**Mean greenwich time offset:** EST  
**CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.**  
**Topographic:** Valley flat  
**Hydrologic:**  
**Date inventoried:** 19950615  
**Date construction:** 19940302  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** Not Reported  
**Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER  
**Well depth:** 142  
**Hole depth:** 145  

---

### Site Map

**Location map:** HATBORO  
**District:** 42  
**County:** 017  
**State:** 42  
**Country:** 017  

---

### Note

- The site had been pumped recently.
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

Ground-water levels, Number of Measurements: 1

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<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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1994-03-04  8.1
Note: The site had been pumped recently.

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**H44**

<table>
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<tr>
<th>SW</th>
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**FED USGS USGS2165019**

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<td>US</td>
<td>Land net:</td>
<td>Not Reported</td>
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<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
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<td>Aquifer Type:</td>
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<td>Aquifer:</td>
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<td>Well depth:</td>
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<td>Hole depth:</td>
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<td>Project number:</td>
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Ground-water levels, Number of Measurements: 1

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1996-08-27  9.02

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**H45**

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**PA WELLS PA1000000057789**

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<td>231SCKN</td>
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<tr>
<td>TOPOGRAPHY:</td>
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Note: The site had been pumped recently.
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATEDCREATE: Not Reported
DATEREABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCEDEPTHDATA: USGS OR PAGS
MUNICIPALITY: IVYLAND BORO
LATITUDEEDD: 40.2025
LONGITUDEE: -75.07556
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWISID: 42508

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 08/15/1996 00:00:00

Construction Information:
Construction Date: 08/15/1996 00:00:00
Driller: 1
Source Cons Data: INTERPRETED FROM LOGS
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0       Casing Wall Thickness: Not Reported
Bottom Of Casing: 13    Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 14     Hole Diameter: 10

Top Of Hole: 14
Bottom Of Hole: 43     Hole Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 08/15/1996 00:00:00
### Water Use Information

**Site Use:** Not Reported  
**Water Use:** INDUSTRIAL
Owner Information:
Owner: Dryden Oil
Date Ownership: Not Reported

K47
North
1/4 - 1/2 Mile
Lower

WELLID: Not Reported LOCALWELLN: Not Reported
COUNTY: BUCKS
AAPG: Not Reported
TOPOGRAPHY: Not Reported
WELDEPTH: 25
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: Not Reported
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: Not Reported
SOURCE DEPTH DATA: Not Reported
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20941
LONITUDEDD: -75.0729
DEPTHTOBED: 6
DATEDRILLE: Not Reported
PAGWIS ID: 0

Construction Information:
Construction Date: 07/12/1994 00:00:00
Driller: 9997
Source Cons Data: Not Reported
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 20 Casing Diameter: 2
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 6
Bottom Of Hole: 25

Driller Log Information:
Top Of Interval: 0 Bottom Of Interval: 6
Description: overburden
Top Of Interval: 6 Bottom Of Interval: 10
Description: red sandstone

Owner Information:
Owner: Dryden Oil
Date Ownership: Not Reported
### Top Of Interval: 10
Description: white sandstone
Bottom Of Interval: 25

### Water Use Information:
Site Use: Not Reported
Water Use: INDUSTRIAL

### Owner Information:
Owner: Dryden Oil
Date Ownership: Not Reported

---

**K48**
North 1/4 - 1/2 Mile Lower

<table>
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<tr>
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### Construction Information:
Construction Date: 07/12/1994 00:00:00
Driller: 9997
Source Cons Data: Not Reported
Method Cons: AIR ROTARY
Finish: SCREEN

### Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 2

### Hole Information:
Top Of Hole: 0
Bottom Of Hole: 25
Hole Diameter: 6
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**Driller Log Information:**
- **Top Of Interval:** 0  
  **Description:** sandy-orange overburden  
- **Top Of Interval:** 6  
  **Description:** white sandstone

**Water Use Information:**
- **Site Use:** Not Reported  
- **Water Use:** INDUSTRIAL

**Owner Information:**
- **Owner:** Dryden Oil  
- **Date Ownership:** Not Reported

---

**G49**

**WSW**

**1/4 - 1/2 Mile**

**Lower**

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<tr>
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<td>Altitude:</td>
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<td>Ground water data end date:</td>
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Ground-water levels, Number of Measurements: 0

---

**L50**

**WNW**

**1/4 - 1/2 Mile**

**Lower**

TC01779758.1r Page A-66
<table>
<thead>
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<td>Ground-water levels, Number of Measurements:</td>
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<td>Ground water data:</td>
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</tr>
<tr>
<td>Feet below Surface Sealevel</td>
<td>2003-05-21</td>
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<tr>
<td>Feet to</td>
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**M51 SE 1/4 - 1/2 Mile Higher**

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<td>Site type:</td>
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<td>Date inventoried:</td>
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<td>Ground-water data:</td>
<td>19990521</td>
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Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 103
Source of depth data: geologist
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Ground water data begin date: 1994-02-24
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.
Ground-water levels, Number of Measurements: 1

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<tr>
<td>Time</td>
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Note: The site had been pumped recently.

M53
SE
1/4 - 1/2 Mile

Higher

WELLID: 401209075041001  LOCALWELLN: BK 2594
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELLDEPTH: 103
ELEVATION: 340
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBoro
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.2025
LONGITUDE: -75.06944
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42506

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 02/21/1994 00:00:00
Driller: 0330
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
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<tr>
<th>Top Of Casing</th>
<th>Casing Wall Thickness</th>
<th>Bottom Of Casing</th>
<th>Casing Diameter</th>
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Hole Information:
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<th>Bottom Of Hole</th>
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<td>Top Of Hole:</td>
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<td>Hole Diameter:</td>
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**Screen Opening Information:**
- Top Open Interval: 30
- Bottom Open Interval: 50
- Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN

**Geohydrologic Information:**
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: OBSERVATION
- Water Use: UNUSED

**Owner Information:**
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/21/1994 00:00:00

**Remarks Information:**
- Remark: LSD -1.5 TOC
- Remark Date: 02/22/1994 00:00:00
**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/16/1995 00:00:00

**Construction Information:**
- **Construction Date:** 02/15/1994 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 14
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 14
- **Hole Diameter:** 8
- **Top Of Hole:** 14
- **Bottom Of Hole:** 161
- **Hole Diameter:** 6

**Screen Opening Information:**
- **Top Open Interval:** 145
- **Bottom Open Interval:** 155
- **Diameter Open Interval:** 2
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

**Geohydrologic Information:**
- **A A P G:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 02/15/1994 00:00:00

**Remarks Information:**
- **Remark:** LSD - 2.0 TOC
- **Remark Date:** 02/15/1994 00:00:00
Agency cd: USGS
Site name: BK 3014
Latitude: 401226.72
Longitude: 0750437.74
Dec lat: 40.20742222
Dec lon: -75.07715
Coor accr: 1
Latlong datum: NAD83
Dec latlong datum: NAD83
State: 42
County: 017
Country: US
Location map: HATBORO
Altitude: 295
Altitude method: M
Altitude accuracy: 10
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 20030521
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 122
Source of depth data: logs
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Ground water data end date: 2003-05-21
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date Surface Sealevel
2003-05-21 21.4

PA WELLS PA1000000057872

IS6
SE
1/4 - 1/2 Mile
Higher

WELLID: 401211075040701 LOCALWELLN: BK 2588
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELLENDBY: 122.5
ELEVATION: 328
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATCREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARRMINSTER TWP.
LATITUDEDD: 40.20306
LONGITUDED: -75.06861
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42514

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/15/1995 00:00:00

Construction Information:
Construction Date: 03/01/1994 00:00:00
Driller: 0330
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 14
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 14
Hole Diameter: 8
Top Of Hole: 14
Bottom Of Hole: 125
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 75
Bottom Open Interval: 95
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/01/1994 00:00:00

Remarks Information:
Remark: LSD -2.0 TOC
Remark Date: 03/02/1994 00:00:00
### Geographic Information

- **Geographic Code:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Geohydrologic Information

- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Installation Information

- **Construction Date:** 02/18/1994
- **Driller:** 0330
- **Source Cons Data:** REPORTED
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

### Casing Information

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<tr>
<td>Casing Wall Thickness</td>
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<td>Casing Diameter</td>
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<tr>
<td>Casing Wall Thickness</td>
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### Hole Information

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<th>Hole Details</th>
<th>Details</th>
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<td>Bottom Of Hole</td>
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<td>Hole Diameter</td>
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### Water Use Information

- **Site Use:** OBSERVATION
- **Water Use:** UNUSED
I59
SE
1/4 - 1/2 Mile
Higher

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/18/1994 00:00:00

Remarks Information:
Remark: LSD 2.0 TOC
Remark Date: 02/28/1994 00:00:00

Note: The site had been pumped recently.
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd: USGS  Site no: 4012110750407001
Site name: BK 2588
Latitude: 401211
Longitude: 0750407  Dec lat: 40.20316415
Dec lon: -75.08822619  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 328  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 19940301
Date inventoried: 19950615  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 122.5  Hole depth: 125
Source of depth data: reporting agency (generally USGS)  Project number: 444223500
Real time data flag: 0  Daily flow data begin date: 0000-00-00
Daily flow data count: 0  Daily flow data end date: 0000-00-00
Peak flow data count: 0  Water quality data end date: 0000-00-00
Peak flow begin date: 0000-00-00  Water quality data begin date: 0000-00-00
Ground water data count: 1  Ground water data begin date: 1994-03-02
Ground water data count: 1  Ground water data end date: 1994-03-02

Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
</table>
1994-03-02 | 18.1 |

Note: The site had been pumped recently.

N60  NE
1/4 - 1/2 Mile
Lower

Agency cd: USGS  Site no: 401232075041001
Site name: BK 1087
Latitude: 401232
Longitude: 0750410  Dec lat: 40.20899738
Dec lon: -75.06905946  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 273  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 199720606
Date inventoried: Not Reported  Mean greenwich time offset: EST
### Ground-water levels

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1979-03-08</td>
<td>7.50</td>
<td></td>
</tr>
</tbody>
</table>

#### Well Information
- **WELLID:** 401232075041001
- **LOCALWELLN:** BK 1087
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** VALLEY FLAT
- **WELDEPTH:** 400
- **ELEVATION:** 275
- **ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040201
- **LATLONGLACCURACY:** ACCURATE TO +1 SECOND
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
- **MUNICIPALITY:** IVYLAND BORO
- **LATITUDEDD:** 40.20889
- **LONGITUDEDD:** -75.06944
- **DEPTHTOBED:** 0
- **DATEDRILLE:** Not Reported
- **PAGWIS ID:** 5066

#### Agency Use Information
- **Agency Use of Site:** I
- **Agency Use Date:** Not Reported

#### Construction Information
- **Construction Date:** Not Reported
- **Driller:** 1
- **Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED
- **Method Cons:** OTHER/UNKNOWN
- **Finish:** UNKNOWN
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 400
- Hole Diameter: 0

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: UNUSED
- Water Use: UNUSED

Production Information:
- Discharge Type: PUMPED
- Data Source: D
- Discharge Meas Method: Z
- Discharge: 15
- SWL: Not Reported
- W L Data Source: Not Reported
- W L Meas Method: Not Reported
- Prod W L: Not Reported
- Drawdown: Not Reported
- Spec Cap: Not Reported
- Test Length: Not Reported
- Site Status W L Meas: Not Reported
- Date Discharged: 06/06/1972 00:00:00

Owner Information:
- Owner: WARMINSTER AUTH
- Date Ownership: 01/01/1979 00:00:00

Other ID Information:
- Other Identifier: 25
- Other I D Assignor: OWNER PA

I62
SE
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2675
Latitude: 401211
Longitude: 0750406
Dec Ion: -75.0679484
Coo accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 327
Altitude accuracy: 5
Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 19941129
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 111
Source of depth data: logs
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported

TC01779758.1r  Page A-78
Ground-water levels, Number of Measurements: 0

I63
ESE
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2762
Latitude: 401212
Longitude: 0750405
Dec lon: -75.06767061
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 328
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: Not Reported
Source of depth data: reporting agency (generally USGS)
Real time data flag: Not Reported
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Daily flow data begin date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

Q64
WSW
1/4 - 1/2 Mile
Lower

WELLID: 401217075044201
COUNTY: MONTGOMERY
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELLDEPTH: 0
ELEVATION: 298
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201

LOCALWELLN: MG 2892
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

LATITUDE: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIBILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: BEDMINSTER TWP.
LATITUDE: 40.20472
LONGITUDE: -75.07833
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 43951

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 09/10/1997 00:00:00

Construction Information:
Construction Date: 09/10/1997 00:00:00
Driller: 1
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Casing Wall Thickness: Not Reported
Bottom Of Casing: 18.5
Casing Diameter: 10
Casing: STEEL

Hole Information:
Top Of Hole: 0
Hole Diameter: 0
Bottom Of Hole: 114

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 09/10/1997 00:00:00

Remarks Information:
Remark: OTHER LOG - BOREHOLE VIDEO
Remark Date: 09/10/1997 00:00:00

O65
WSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2164923

TC01779758.1r Page A-80
Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997-09-16</td>
<td>17.37</td>
<td></td>
</tr>
</tbody>
</table>

---

066
West
1/4 - 1/2 Mile
Lower

WELLID: 401217075044301
LOCALWELLN: MG 2891
COUNTY: MONTGOMERY
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELID: 0
ELEVATION: 299
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: BEDMINSTER TWP.
LATITUDE: 40.20472
LONGDITUDE: -75.07861

---

TC01779758.1r Page A-81
| **DEPTH TO BED** | 0 |
| **DATE DREDGED** | Not Reported |
| **PAGWIS ID** | 43952 |

**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 09/09/1997 00:00:00

**Construction Information:**
- **Construction Date:** 09/09/1997 00:00:00
- **Driller:** 1
- **Source Cons Data:** DRILLER’S RECORD
- **Method Cons:** AIR ROTARY
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 19
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 10

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 114
- **Hole Diameter:** 0

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 09/09/1997 00:00:00

**Remarks Information:**
- **Remark:** OTHER LOG - BOREHOLE VIDEO
- **Remark Date:** 09/17/1997 00:00:00

---

**O67**

**West**

**1/4 - 1/2 Mile Lower**

**FED USGS**

| Agency cd: USGS | Site no: 401217075044301 |
| Long: 0750443 | Dec lat: 40.20483075 |
| Dec Ion: -75.07822644 | Coor meth: M |
| Coor accr: S | Latlong datum: NAD27 |
| Dec latlong datum: NAD83 | District: 42 |
| State: 42 | County: 017 |
| Country: US | Land net: Not Reported |
| Location map: HATBORO | Map scale: 24000 |
| Altitude: 299 | Altitude method: M |
| Altitude accuracy: 5 | Altitude datum: NGVD29 |
| Topographic: Flat surface |
| Site type: Ground-water other than Spring | Date construction: 19970909 |
| Date inventoried: 19970909 | Mean greenwich time offset: EST |
### Physical Setting Source Map Findings

<table>
<thead>
<tr>
<th>Local standard time flag:</th>
<th>Y</th>
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</thead>
<tbody>
<tr>
<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
</tr>
<tr>
<td>Aquifer Type:</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Aquifer:</td>
<td>STOCKTON FORMATION</td>
</tr>
<tr>
<td>Well depth:</td>
<td>113</td>
</tr>
<tr>
<td>Hole depth:</td>
<td>114</td>
</tr>
<tr>
<td>Source of depth data:</td>
<td>reporting agency (generally USGS)</td>
</tr>
<tr>
<td>Real time data flag:</td>
<td>0</td>
</tr>
<tr>
<td>Daily flow data begin date:</td>
<td>0000-00-00</td>
</tr>
<tr>
<td>Daily flow data end date:</td>
<td>0000-00-00</td>
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<td>Peak flow data begin date:</td>
<td>0000-00-00</td>
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<tr>
<td>Peak flow data end date:</td>
<td>0000-00-00</td>
</tr>
<tr>
<td>Peak flow data count:</td>
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</tr>
<tr>
<td>Water quality data begin date:</td>
<td>0000-00-00</td>
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<tr>
<td>Water quality data end date:</td>
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<tr>
<td>Water quality data count:</td>
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<tr>
<td>Ground water data begin date:</td>
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<td>Ground water data end date:</td>
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<td>Ground water data count:</td>
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#### Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997-09-16</td>
<td></td>
<td>16.94</td>
</tr>
</tbody>
</table>

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**Agency cd:** USGS  
**Site no:** 401229075040301  
**Latitude:** 401229  
**Longitude:** 0750403  
**Dec lon:** -75.06711498  
**Dec lat:** 40.20816406  
**Coor accr:** S  
**Coor meth:** M  
**Dec latlong datum:** NAD83  
**State:** NJ  
**County:** 42  
**Country:** US  
**Land net:** Not Reported  
**Location map:** HATBORO  
**Map scale:** 24000  
**Altitude:** 290  
**Altitude method:** M  
**Altitude accuracy:** 5  
**Altitude datum:** NGVD29  
**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.  
**Topographic:** Hillside (slope)  
**Site type:** Ground-water other than Spring  
**Date inventoried:** Not Reported  
**Date construction:** 19701209  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** Not Reported  
**Aquifer:** STOCKTON FORMATION  
**Well depth:** 135  
**Hole depth:** Not Reported  
**Project number:** 444209300  
**Real time data flag:** 0  
**Daily flow data begin date:** 0000-00-00  
**Daily flow data end date:** 0000-00-00  
**Peak flow data begin date:** 0000-00-00  
**Peak flow data end date:** 0000-00-00  
**Peak flow data count:** 0  
**Water quality data begin date:** 0000-00-00  
**Water quality data end date:** 0000-00-00  
**Water quality data count:** 0  
**Ground water data begin date:** 1971-12-09  
**Ground water data end date:** 1971-12-09  
**Ground water data count:** 1
TC01779758.1r   Page A-84

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Feet below Surface</th>
<th>Feet to Sealvel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1971-12-09 30.00</td>
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</tbody>
</table>

P69
ENE
1/4 - 1/2 Mile
Lower

WELL: Not Reported  LOCALWELLN: 5340N
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLDPTH: 0
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER'S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.2086
LONGITUDDED: -75.0675
DEPTHTOBED: 15
DATEDRILLE: Not Reported
PAGWIS ID: 65061

Construction Information:
Construction Date: 12/09/1971 00:00:00
Driller: 130
Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: Not Reported

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 37  Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SS
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

PA WELLS PA1000000058512

TC01779758.1r Page A-84
Owner Information:
Owner: VARNEY J
Date Ownership: Not Reported

Remarks Information:
Remark: CAS.MAT=STEEL
Remark Date: Not Reported

P70
ENE
1/4 - 1/2 Mile
Lower
WELLID: 401229075040301 LOCALWELLN: BK 998
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 135
ELEVATION: 290
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPESITES: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20806
LONGITUDED: -75.0675
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5061

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 12/09/1970 00:00:00
Driller: 0130
Source Cons Data: DRILLER'S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 37 Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0 Hole Diameter: 6
Bottom Of Hole: 135
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: PUMPED
Data Source: D
Discharge Meas Method: V
Discharge: 20  SWL: 30
W L Data Source: D
W L Meas Method: Not Reported
Prod W L: 105  Drawdown: 75
Spec Cap: .27000010728836  Test Length: 2
Site Status W L Meas: Not Reported
Date Discharged: 12/09/1970 00:00:00

Owner Information:
Owner: VARNEY, JOSEPH
Date Ownership: 01/01/1971 00:00:00

<table>
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<tr>
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<th>Site name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Dec lat</th>
<th>Dec Ion</th>
<th>Coor accr</th>
<th>Dec latlong datum</th>
<th>State</th>
<th>Country</th>
<th>Location map</th>
<th>Altitude</th>
<th>Altitude accuracy</th>
<th>Hydrologic</th>
<th>Topographic</th>
<th>Site type</th>
<th>Date inventoried</th>
<th>Date construction</th>
<th>Local standard time flag</th>
<th>Type of ground water site</th>
<th>Aquifer Type</th>
<th>Aquifer</th>
<th>Well depth</th>
<th>Source of depth data</th>
<th>Real time data flag</th>
<th>Daily flow data begin date</th>
<th>Daily flow data count</th>
<th>Peak flow data begin date</th>
<th>Peak flow data end date</th>
</tr>
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<tbody>
<tr>
<td>USGS</td>
<td>BK 2894</td>
<td>401217</td>
<td>0750444</td>
<td>-75.07850423</td>
<td>S</td>
<td>S</td>
<td>NAD83</td>
<td>42</td>
<td>US</td>
<td>HATBORO</td>
<td>303</td>
<td>5</td>
<td>CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.</td>
<td>Flat surface</td>
<td>Ground-water other than Spring</td>
<td>19970912</td>
<td>19970912</td>
<td>Y</td>
<td>Single well, other than collector or Ranney type</td>
<td>STOCKTON FORMATION</td>
<td>100</td>
<td>101</td>
<td>reporting agency (generally USGS)</td>
<td>0</td>
<td>0000-00-00</td>
<td>0</td>
<td>0000-00-00</td>
<td>0000-00-00</td>
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</table>
Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997-09-17</td>
<td>17.17</td>
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</tr>
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</table>

WELLID: 401217075044401
LOCALWELLN: MG 2894
COUNTY: MONTGOMERY
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELDEPTH: 0
ELEVATION: 303
ELEVMETHOD: Not Reported
ACCURACYOF: 10
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: BEDMINSTER TWP.
LATITUDEDD: 40.20472
LONGITUDED: -75.07889
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 43953

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 09/12/1997 00:00:00

Construction Information:
Construction Date: 09/12/1997 00:00:00
Driller: 1
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 10
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 101
- **Hole Diameter:** 0

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 09/12/1997 00:00:00

### Remarks Information:
- **Remark:** OTHER LOG - BOREHOLE VIDEO
- **Remark Date:** 09/17/1997 00:00:00

---

**Lower**

<table>
<thead>
<tr>
<th>Well ID:</th>
<th>5340N</th>
<th>County:</th>
<th>Bucks</th>
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<tbody>
<tr>
<td>Owner's Name:</td>
<td>VARNEY J</td>
<td>Longitude:</td>
<td>750403</td>
</tr>
<tr>
<td>Quadrangle:</td>
<td>HATBORO</td>
<td></td>
<td></td>
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<tr>
<td>Hydrologic Unit:</td>
<td>02040201</td>
<td>Topographic Setting:</td>
<td>HILLSIDE</td>
</tr>
<tr>
<td>Water Usage:</td>
<td>DOMESTIC</td>
<td>Site Usage:</td>
<td>WITHDRAWAL</td>
</tr>
<tr>
<td>Well Depth:</td>
<td>Not Reported</td>
<td>Finish:</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Casing 1:</td>
<td>37</td>
<td>Casing1 Diameter(inches):</td>
<td>6</td>
</tr>
<tr>
<td>Casing2:</td>
<td>Not Reported</td>
<td>Casing2 Diameter(inches):</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Grouted:</td>
<td>Not Reported</td>
<td>Date Drilled:</td>
<td>12-9-71</td>
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<tr>
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**Higher**

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**Remarks Information:** OTHER LOG - BOREHOLE VIDEO

**Remark Date:** 09/17/1997 00:00:00
Ground-water levels, Number of Measurements: 1

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Feet below

Feet to

Altitude: 333
Altitude accuracy: 5
Altitude method: M
Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: Not Reported
Hole depth: 87
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Ground water data begin date: 1995-03-31
Ground water data count: 1

O75  1/4 - 1/2 Mile

Agency cd: USGS
Site name: BK 2893
Latitude: 401216
Longitude: 0750444
Dec lon: -75.07850423
Coor meth: M
Dec lat: 40.20455298
Coor acl: S
Dec latlong datum: NAD83
District: 42
State: 42
County: 017
Country: US
Land net: Not Reported
Location map: HATBоро
Map scale: 24000
Altitude: 305
Altitude accuracy: 5
Altitude method: M
Altitude datum: NGVD29

Topographic: Flat surface
Site type: Ground-water other than Spring
Date inventoried: 19970916
Date construction: 19970916
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 98
Hole depth: 102
Source of depth data: reporting agency (generally USGS)
Project number: Not Reported
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Ground water data begin date: 1997-09-17
Ground water data end date: 1997-09-17
Ground water data count: 1
### Ground-water levels, Number of Measurements: 1

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### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**WELLID:** 401216075044401
**LOCALWELLN:** MG 2893
**COUNTY:** MONTGOMERY
**AAPG:** 231SCKN
**TOPOGRAPHY:** FLAT SURFACE
**WELLDEPTH:** 0
**ELEVATION:** 305
**ELEVMETHOD:** Not Reported
**ACCURACYOF:** 5
**HYDROLOGIC:** 02040201
**LATLONGACCURACY:** Not Reported
**QUAD:** HATBORO
**TYPEOFSITE:** WELL
**DATEDCREATE:** Not Reported
**DATEUPDATE:** Not Reported
**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)

**SOURCE DEPTH DATA: USGS OR PAGSS**
**MUNICIPALITY:** BEDMINSTER TWP.
**LATITUDEDD:** 40.20444
**LONGITUDEDD:** -75.07889
**DEPTHTOBED:** 0
**DATEDRILLE:** Not Reported
**PAGWIS ID:** 43949

### Agency Use Section:
**Agency Use of Site:** OBSERVATION
**Agency Use Date:** 09/16/1997 00:00:00

### Construction Information:
**Construction Date:** 09/16/1997 00:00:00
**Driller:** 1
**Source Cons Data:** DRILLER’S RECORD
**Method Cons:** AIR ROTARY
**Finish:** OPEN HOLE

### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 19
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 10

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 19
- **Hole Diameter:** 11
- **Top Of Hole:** 19
- **Bottom Of Hole:** 102
- **Hole Diameter:** 10
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**Water Use Information:**
- Site Use: OBSERVATION
- Water Use: UNUSED

**Owner Information:**
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 09/16/1997 00:00:00

**Remarks Information:**
- Remark: OTHER LOG - BOREHOLE VIDEO
- Remark Date: 09/17/1997 00:00:00

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Owner: U S NADC
Date Ownership: 01/01/1941 00:00:00

Other ID Information:
Other Identifier: 7
Other I D Assignor: OWNER PA

Q79
SE
1/4 - 1/2 Mile
Higher
Agency cd: USGS
Site name: BK 702
Latitude: 401210
Longitude: 0750403
Dec lon: -75.06711505
Dec lat: 40.20288638
Coor accr: S
Latlong datum: NAD27
Dec latlong datum: NAD83
District: 42
State: 01
Country: US
Land net: Not Reported
Location map: HATBORO
Map scale: 24000
Altitude: 340
Altitude method: M
Altitude accuracy: 5
Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date construction: Not Reported
Date inventoried: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 202
Hole depth: Not Reported
Source of depth data: Not Reported
Project number: 444209300
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Daily flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Water quality data begin date: Not Reported
Water quality data count: Not Reported
Ground water data begin date: Not Reported
Ground water data end date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

R80
SSE
1/4 - 1/2 Mile
Higher
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd: USGS  Site no: 401204075041102
Site name: BK 2587
Latitude: 401204
Longitude: 0750411  Dec lat: 40.20121974
Dec lon: -75.06933736  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 340  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 19940222
Date inventoried: 19950615  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 151  Hole depth: 151
Source of depth data: reporting agency (generally USGS)  Project number: 444223500
Real time data flag: 0  Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00  Daily flow data count: 0
Peak flow data begin date: 0000-00-00  Peak flow data end date: 0000-00-00
Peak flow data count: 0  Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00  Water quality data count: 0
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Ground water data count: 1

Ground-water levels, Number of Measurements: 1
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Note: The site had been pumped recently.
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<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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</thead>
<tbody>
<tr>
<td>1994-02-24</td>
<td>7.7</td>
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</table>

Note: The site had been pumped recently.

---

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 73
Hole depth: 75
Source of depth data: reporting agency (generally USGS or PAGS)
Project number: 444223500
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1994-02-24
Ground water data end date: 1994-02-24
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<tbody>
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<td>1994-02-24</td>
<td>7.7</td>
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Note: The site had been pumped recently.
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 19
- Casing: STEEL
  - Casing Wall Thickness: Not Reported
  - Casing Diameter: 6

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 19
  - Hole Diameter: 8
- Top Of Hole: 19
  - Hole Diameter: 6

Screen Opening Information:
- Top Open Interval: 49
- Bottom Open Interval: 62
  - Diameter Open Interval: 2
  - Open Interval Material: PLASTIC
  - Opening: SCREEN

Geohydrologic Information:
- AAPG: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
  - Top Of Interval: Not Reported
  - Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/22/1994 00:00:00

Remarks Information:
- Remark: LSD - 1.7 TOC
- Remark Date: 02/24/1994 00:00:00

Other ID Information:
- Other Identifier: HN-23-S
  - Other ID Assignor: OWNER PA

R83
SSE
1/4 - 1/2 Mile Higher

WELLID: 401204075041102
- LOCALWELLN: BK 2587
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 151
ELEVATION: 340
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: 06/15/1995 00:00:00

**Construction Information:**
- Construction Date: 02/17/1994 00:00:00
- Driller: 0330
- Source Cons Data: USGS OR PAGS
- Method Cons: AIR ROTARY
- Finish: SCREEN

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 17
- Casing Diameter: 6
- Casing Wall Thickness: Not Reported
- Casing: STEEL

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 17
- Hole Diameter: 8

- Top Of Hole: 17
- Bottom Of Hole: 151
- Hole Diameter: 6

**Screen Opening Information:**
- Top Open Interval: 130
- Bottom Open Interval: 150
- Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN

**Geohydrologic Information:**
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: OBSERVATION
- Water Use: UNUSED

**Owner Information:**
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/17/1994 00:00:00
TC01779758.1r   Page A-98

Remarks Information:

Remark: LSD - 3.10 TOC
Remark Date: 02/17/1994 00:00:00

O84

WSW
1/4 - 1/2 Mile
Higher

Agency cd: USGS Site no: 401215075044501
Site name: BK 1831
Latitude: 401215
Longitude: 0750445 Dec lat: 40.2042752
Dec ion: -75.07878202 Coor meth: M
Coor acr: S Latlong datum: NAD27
Dec latlong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 312 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring Date construction: 198010
Date inventoried: Not Reported Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 298 Hole depth: 300
Source of depth data: logs Project number: 444219600
Real time data flag: 0 Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00 Daily flow data count: 0
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 1991-06-20
Water quality data end date: 1991-06-20 Water quality data count: 1
Ground water data begin date: 1991-06-17 Ground water data end date: 1991-06-17
Ground water data count: 1
Ground-water levels, Number of Measurements: 1

Date Surface Sealevel
1991-06-17 8.12

O85

WSW
1/4 - 1/2 Mile
Higher

WELLID: 401215075044501 LOCALWELLN: BK 1831
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 298
ELEVATION: 310
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201

TC01779758.1r   Page A-98
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<td><strong>SPEC CAP:</strong></td>
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<td><strong>SITE STATUS W L MEAS.</strong></td>
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**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

**Construction Information:**
- **Construction Date:** 10/01/1980 00:00:00
- **Driller:** 0512
- **Source Cons. Data:** DRILLER'S RECORD
- **Method Cons.** AIR ROTARY
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 59
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6
- **Casing:** STEEL

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 298
- **Hole Diameter:** 6

**Geohydrologic Information:**
- **A A P G:** 231SCKNA
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

**Production Information:**
- **Discharge Type:** PUMPED
- **Data Source:** D
- **Discharge Meas. Method:** V
- **Discharge:** 70
- **W L Data Source:** D
- **W L Meas. Method:** Not Reported
- **Prod W L:** Not Reported
- **Spec Cap:** Not Reported
- **Site Status W L Meas.:** Not Reported
- **Date Discharged:** 10/01/1980 00:00:00

**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported
Note: The site had been pumped recently.
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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<th>Field</th>
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<td>Site type</td>
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<td>Water quality data end date</td>
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<td>Ground water data count</td>
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<td>Ground-water levels, Number of Measurements</td>
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Q88
ESE
1/4 - 1/2 Mile
Higher

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Water quality data end date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1995-04-05
Ground water data end date: 1995-04-05
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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**S89**

Agency cd: USGS
Site name: BK 2971
Latitude: 401212
Longitude: 0750444
Dec lon: -75.07850425
Dec lat: 40.20344189
Coor accr: S
Latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 308
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19991209
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 80
Source of depth data: logs
Project number: 444223500
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Daily flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported
Peak flow data count: Not Reported
Water quality data begin date: Not Reported
Water quality data end date: Not Reported
Water quality data count: Not Reported

**O90**

Agency cd: USGS
Site no: 401212075044401
Latitude: 401212
Longitude: 0750444
Dec lat: 40.20344189
Dec lon: -75.07850425
Latlong datum: NAD83
Altitude: 308
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19991209
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 80
Source of depth data: logs
Project number: 444223500
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Daily flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported
Peak flow data count: Not Reported
Water quality data begin date: Not Reported
Water quality data end date: Not Reported
Water quality data count: Not Reported

Ground-water levels, Number of Measurements: 0
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Ground-water levels, Number of Measurements: 0
### S92

**WSW**  
1/4 - 1/2 Mile  
Higher

<table>
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<th>Value</th>
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**Ground-water levels, Number of Measurements:** 0

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### S93

**WSW**  
1/4 - 1/2 Mile  
Higher

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**Ground-water levels, Number of Measurements:** 0

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*Not Reported*
Ground-water levels, Number of Measurements: 0

---

Altitude: 311
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19990215
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION

Well depth: 80
Source of depth data: logs
Real time data flag: 444223500

---

S94
WSW
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2967
Latitude: 401211
Longitude: 0750444
Dec Ion: -75.07850425
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 311
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: 19990215
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION

Well depth: 75
Source of depth data: logs
Real time data flag: 444223500

---

Ground-water levels, Number of Measurements: 0

---

TC01779758.1r Page A-105
Note: The site had been pumped recently.
Ground-water levels, Number of Measurements: 0
### T98

**West**<br>1/4 - 1/2 Mile<br>Lower

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Note: The site had been pumped recently.

### T99

**West**<br>1/4 - 1/2 Mile<br>Lower

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<td>Topographic:</td>
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Ground-water levels, Number of Measurements: 0
**U100**  
**SSW**  
1/4 - 1/2 Mile Higher  
**PA WELLS**  
**SPA0020475**

**Owner's Name:** SMC MARTIN ASSOC.  
**County:** BUCKS  
**Quadrangle:** HATBORO  
**Hydrologic Unit:** 02040201  
**Water Usage:** INDUSTRIAL  
**Well Depth:** 300  
**Casing 1:** 60  
**Casing 2:** Not Reported  
**Grouted:** Not Reported  
**Static Water Level:** 40  
**Yield (gpm):** 70  
**Bedrock:** 50  
**Water Bearing Zone 1:** Not Reported  
**Water Bearing Zone 3:** Not Reported  
**Municipality:** WARMINSTER  
**Aquifer:** STOCKTON FORMATION  
**Hole depth:** Not Reported  
**Production WL:** Not Reported  
**Yield Measurement Method:** V  
**Test Time:** Not Reported  
**Driller:** 512  
**Water Bearing Zone 2:** Not Reported  
**Lithology:** Not Reported  
**Remark:** MONITORING WELL

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**Ground-water levels, Number of Measurements:** 0

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**U101**  
**SSW**  
1/4 - 1/2 Mile Higher  
**PA WELLS**  
**PA1000000057434**

**WELLID:** Not Reported  
**COUNTY:** BUCKS  
**AAPG:** 231SCKN  
**TOPOGRAPHY:** HILLSIDE  
**WELDEPTH:** 300  
**ELEVATION:** 0  
**ELEVMETHOD:** Not Reported  
**ACCURACYOF:** Not Reported  
**HYDROLOGIC:** 02040201
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBoro
TYPEOFSITE: WELL
DATECREATE: Not Reported    DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDED: 40.20028
LONGITUDE: -75.07444
DEPTHTOBED: 50
DATEDRIL:LE Not Reported
PAGWISID: 65052

Construction Information:
Construction Date: 10/01/1980 00:00:00
Driller: 512
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0    Casing Wall Thickness: Not Reported
Bottom Of Casing: 60    Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
A A P G: 231SCKN
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported    Bottom Of Interval: Not Reported

Water Use Information:
Site Use: Not Reported
Water Use: INDUSTRIAL

Owner Information:
Owner: SMC MARTIN ASSOC.
Date Ownership: Not Reported

Remarks Information:
Remark: MONITORING WELL
Remark Date: Not Reported

V102
WSW
1/4 - 1/2 Mile
Higher
Agency cd: USGS
Site name: BK 2970
Latitude: 401213
Longitude: 0750446
Dec lon: -75.07905982
Coor accr: S
Dec latlong datum: NAD83
State: 42
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- Water Use: UNUSED

Production Information:
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- Discharge Meas Method: Not Reported
- Discharge: 420
- W L Data Source: A
- W L Meas Method: Not Reported
- Prod W L: 48
- Spec Cap: 8.75
- Site Status W L Meas: Not Reported
- Date Discharged: 06/21/1972 00:00:00

Owner Information:
- Owner: WARMINSTER AUTH
- Date Ownership: 01/01/1972 00:00:00

Other ID Information:
- Other Identifier: 26
- Other I D Assignor: OWNER PA
- Other Identifier: D-73-100 CP
- Other I D Assignor: DRBC
- Other Identifier: BK- 23
- Other I D Assignor: DRBC-PA

W105
NW 1/4 - 1/2 Mile
Lower

Agency cd: USGS
Site name: BK 959
Latitude: 401234
Longitude: 0750441
Dec Ion: -75.0776708
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 260
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 250
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Surface</th>
<th>Sealevel</th>
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<tbody>
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### Observation

**PA Wells**

- **PA WELLS**: PA000000057792
- **Q106 ESE**: 1/4 - 1/2 Mile Higher
- **WELLPAD**: BK 1034
- **COUNTY**: BUCKS
- **AAPG**: 231SCKN
- **TOPOGRAPHY**: HILLSIDE
- **ELEVATION**: 340
- **ELEVMETHOD**: INTERPOLATED FROM TOPOGRAPHIC MAP
- **ACCURACY**: 5
- **HOLE**: 02040201
- **LATLONACCURACY**: ACCURATE TO +1 SECOND
- **QUAD**: HATBORO
- **TYPEOFSITE**: WELL
- **DATECREATE**: Not Reported
- **DATEUPDATE**: Not Reported
- **SOURCE DEPTH DATA**: OTHER/UNKNOWN/UNSPECIFIED
- **MUNICIPALITY**: WARMINSTER TWP.
- **LATITUDEDD**: 40.2025
- **LONGITUDEDD**: -75.06667
- **DEPTHTOBED**: 0
- **DATEDRILL**: Not Reported
- **PAGWIS ID**: 5035

**Agency Use Section**
- **Agency Use of Site**: OBSERVATION
- **Agency Use Date**: Not Reported

**Construction Information**
- **Construction Date**: Not Reported
- **Driller**: 1
- **Source Cons Data**: OTHER/UNKNOWN/UNSPECIFIED
- **Method Cons**: CABLE TOOL
- **Finish**: UNKNOWN

**Hole Information**
- **Top Of Hole**: 0
- **Bottom Of Hole**: 70
- **Hole Diameter**: 6

**Geohydrologic Information**
- **AAPG**: 231SCKN
- **Lithology**: UNKNOWN
- **Contributing Unit**: PRIMARY
- **Top Of Interval**: Not Reported
- **Bottom Of Interval**: Not Reported

**Geohydrologic Information**

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### Q107
**ESE**
1/4 - 1/2 Mile Higher

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<tr>
<td>Coor accr:</td>
<td>S</td>
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<tr>
<td>Dec latlong datum:</td>
<td>NAD83</td>
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<tr>
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<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
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Ground-water levels, Number of Measurements: 0

### Q108
**ESE**
1/4 - 1/2 Mile Higher

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Ground-water levels, Number of Measurements: 0
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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<td>Country:</td>
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<td>Location map:</td>
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Ground-water levels, Number of Measurements: 0

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**X109 South 1/4 - 1/2 Mile Higher**

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<td>Location map:</td>
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<td>Altitude:</td>
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<tr>
<td>Topographic:</td>
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<td>Site type:</td>
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TC01779758.1r Page A-116
Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

WELLID: 401200075041901  LOCALWELLN: BK 2592
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 53
ELEVATION: 345
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLNGTHACCURACY: Not Reported
QUAD: HATBoro
TYPESITE: WELL
DATEDCREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.2
LONGITUDE: -75.07194
DEPHTTOBED: 0
DATEDRILLE: Not Reported
PAGWISID: 42483

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 02/22/1994 00:00:00
Driller: 0330
Source Cons Data: REPORTED
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 15  Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 15.5  Hole Diameter: 8
Top Of Hole: 15.5
Bottom Of Hole: 55  Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 30
Bottom Open Interval: 50  Diameter Open Interval: 2
Opening: PLASTIC
Opening: SCREEN

Geohydrologic Information:
AAPG: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported
Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 02/22/1994 00:00:00

Remarks Information:
- Remark: LSD - 1.3 TOC
- Remark Date: 02/24/1994 00:00:00

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<td>TOPOGRAPHY: VALLEY FLAT</td>
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<td>WELDEPTH: 201</td>
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<td>QUAD: HATBORO</td>
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Agency Use Section:
- Agency Use of Site: OBSERVATION
- Agency Use Date: 06/16/1995 00:00:00

Construction Information:
- Construction Date: 02/17/1994 00:00:00
- Driller: 0330
- Source Cons Data: REPORTED
- Method Cons: AIR ROTARY
- Finish: SCREEN

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 14
- Casing Diameter: 6
- Casing Wall Thickness: Not Reported
- Casing: STEEL
Hole Information:

Top Of Hole: 0
Bottom Of Hole: 14  Hole Diameter: 8

Top Of Hole: 6
Bottom Of Hole: 205  Hole Diameter: 6

Screen Opening Information:

Top Open Interval: 125
Bottom Open Interval: 145  Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:

A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:

Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:

Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/17/1994 00:00:00

Remarks Information:

Remark: LSD 1.4 TOC
Remark Date: 02/22/1994 00:00:00

Y113
SE
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2597
Latitude: 401204
Longitude: 0750406  Dec lat: 40.20121974
Dec Ion: -75.06794843  Coor meth: M
Coor accru: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 340  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19950616  Date construction: 19940216
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 172  Hole depth: 181
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00

Remarks Information:

Remark: LSD 1.4 TOC
Remark Date: 02/22/1994 00:00:00

TC01779758.1r Page A-120
Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.

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Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.
**WELLID:** 401204075040601  
**LOCALWELLN:**  
**COUNTY:** BUCKS  
**AAPG:** 231SCKNM  
**TOPOGRAPHY:** VALLEY FLAT  
**WELDDPTH:** 81.5  
**ELEVATION:** 340  
**ELEVMETHOD:** Not Reported  
**ACCURACYOF:** 5  
**HYDROLOGIC:** 02040201  
**LATLONGACCURACY:** Not Reported  
**QUAD:** HATBORO  
**TYPESITE:** WELL  
**DATECREATE:** Not Reported  
**DATEUPDATE:** Not Reported  
**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  
**SOURCEDEPTHDATA:** USGS OR PAGS  
**MUNICIPALITY:** WARMINGER TWP.  
**LATITUDEDDD:** 40.20111  
**LONGITUDEDDD:** -75.06833  
**DEPTHTOBED:** 0  
**DATEDRILL:** Not Reported  
**PAGWISID:** 42493  

### Agency Use Section
- **Agency Use of Site:** OBSERVATION  
- **Agency Use Date:** 06/16/1995 00:00:00

### Construction Information
- **Construction Date:** 02/22/1994 00:00:00  
- **Driller:** 0330  
- **Source Cons Data:** USGS OR PAGS  
- **Method Cons:** AIR ROTARY  
- **Finish:** SCREEN

### Casing Information
- **Top Of Casing:** 0  
- **Bottom Of Casing:** 18  
- **Casing:** STEEL  
- **Casing Wall Thickness:** Not Reported  
- **Casing Diameter:** 6

### Hole Information
- **Top Of Hole:** 0  
- **Bottom Of Hole:** 18  
- **Hole Diameter:** 8

### Screen Opening Information
- **Top Open Interval:** 55  
- **Bottom Open Interval:** 65  
- **Diameter Open Interval:** 2  
- **Open Interval Material:** PLASTIC  
- **Opening:** SCREEN

### Geohydrologic Information
- **AAPG:** 231SCKNM  
- **Lithology:** Not Reported  
- **Contributing Unit:** PRIMARY  
- **Top Of Interval:** Not Reported  
- **Bottom Of Interval:** Not Reported
### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 02/22/1994 00:00:00

### Remarks Information:
- **Remark:** LSD -2.7 TOC
- **Remark Date:** 02/24/1994 00:00:00

### Casing Information:
- **Top Of Casing:** 0
- **Casing Diameter:** 6
- **Casing Wall Thickness:** Not Reported
- **Bottom Of Casing:** 18.2999992370605
- **Casing:** STEEL

### Construction Information:
- **Construction Date:** 02/16/1994 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

### Agency Use Section:
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/16/1995 00:00:00

### Source Depth Data:
- **USGS OR PAGS**

### Well Information:
- **WELLID:** 401204075040602
- **LOCALWELLN:** BK 2597
- **COUNTY:** Bucks
- **AAPG:** 231SCKNM
- **TOPOGRAPHY:** VALLEY FLAT
- **WELDEPTH:** 172
- **ELEVATION:** 340
- **ELEVMETHOD:** Not Reported
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040201
- **LATLONGACCURACY:** Not Reported
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** WARMINGTON TWP.
- **LATITUDE:** 40.20111
- **LONGITUDE:** -75.06833
- **DEPTHTOBED:** 0
- **DATEDRILLE:** Not Reported
- **PAGWIS ID:** 42494

### Remarks Date:
- **Remark Date:** 02/22/1994 00:00:00

### Remarks:
- **Remark:** LSD -2.7 TOC
- **Remark Date:** 02/24/1994 00:00:00

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 02/22/1994 00:00:00

### Casing Information:
- **Top Of Casing:** 0
- **Casing Diameter:** 6
- **Casing Wall Thickness:** Not Reported
- **Bottom Of Casing:** 18.2999992370605
- **Casing:** STEEL

### Construction Information:
- **Construction Date:** 02/16/1994 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

### Agency Use Section:
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/16/1995 00:00:00

### Source Depth Data:
- **USGS OR PAGS**

### Well Information:
- **WELLID:** 401204075040602
- **LOCALWELLN:** BK 2597
- **COUNTY:** Bucks
- **AAPG:** 231SCKNM
- **TOPOGRAPHY:** VALLEY FLAT
- **WELDEPTH:** 172
- **ELEVATION:** 340
- **ELEVMETHOD:** Not Reported
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040201
- **LATLONGACCURACY:** Not Reported
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** WARMINGTON TWP.
- **LATITUDE:** 40.20111
- **LONGITUDE:** -75.06833
- **DEPTHTOBED:** 0
- **DATEDRILLE:** Not Reported
- **PAGWIS ID:** 42494

### Remarks Date:
- **Remark Date:** 02/22/1994 00:00:00

### Remarks:
- **Remark:** LSD -2.7 TOC
- **Remark Date:** 02/24/1994 00:00:00
### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 18.5
  - **Hole Diameter:** 8
- **Top Of Hole:** 18.5
  - **Bottom Of Hole:** 181
  - **Hole Diameter:** 6

### Screen Opening Information:
- **Top Open Interval:** 162
- **Bottom Open Interval:** 172
  - **Diameter Open Interval:** 2
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information:
- **A A P G:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
  - **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 02/16/1994 00:00:00

### Remarks Information:
- **Remark:** LSD -2.8 TOC
  - **Remark Date:** 02/16/1994 00:00:00

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### T117
**West**
**1/4 - 1/2 Mile**
**Lower**

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<th>Value</th>
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<tbody>
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<tr>
<td>Site name</td>
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<tr>
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<td>401219</td>
</tr>
<tr>
<td>Longitude</td>
<td>0750449</td>
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<td>Dec Ion</td>
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<td>Coor accr</td>
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<td>Topographic</td>
<td>Flat surface</td>
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<td>Site type</td>
<td>Ground-water other than Spring</td>
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<td>Type of ground water site</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
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<td>Aquifer</td>
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<td>Hole depth</td>
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TC01779758.1r Page A-124
Ground-water levels, Number of Measurements: 1

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<th>Feet to Sealevel</th>
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**T118 West 1/4 - 1/2 Mile Lower**

**PA WELLS PA100000058167**

- **WELLID:** 401219075044901
- **LOCALWELLN:** BK 2860
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** FLAT SURFACE
- **WELDEPTH:** 300
- **ELEVATION:** 298
- **ELEVMETHOD:** Not Reported
- **ACCURACYSOC:** 5
- **HYDROLOGIC:** 02040202
- **LATLONGACCURACY:** Not Reported
- **QUAD:** HATBORO
- **TYPEOSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **SOURCE DEPTH DATA:** USGS OR PAGS
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDEDD:** 40.20528
- **LONGITUDED:** -75.08028
- **DEPTHTOBED:** 0
- **DATEDRILL:** Not Reported
- **PAGWIS ID:** 42520

**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 09/16/1996 00:00:00

**Construction Information:**
- **Construction Date:** 09/16/1996 00:00:00
- **Driller:** 1
- **Source Cons Data:** INTERPRETED FROM LOGS
- **Method Cons:** AIR ROTARY
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 175
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6
Ground-water levels, Number of Measurements: 0
Not Reported
Ground water data count: Not Reported
Ground water data end date: Not Reported
Ground water data begin date: Not Reported
Water quality data count: Not Reported
Water quality data end date: Not Reported
Water quality data begin date: Not Reported
Peak flow data count: Not Reported
Peak flow data end date: Not Reported
Peak flow data begin date: Not Reported
Water quality data end date: Not Reported
Water quality data count: Not Reported
Ground water data end date: Not Reported
Ground water data count: Not Reported

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 09/16/1996 00:00:00

T119
WSW
1/4 - 1/2 Mile Higher

Agency cd: USGS
Site name: BK 2961
Latitude: 401214
Longitude: 0750448
Dec lon: -75.07961538
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 310
Altitude accuracy: 5
Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 19990205
Date construction: 19990119
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 80
Source of depth data: logs
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported
Water quality data end date: Not Reported
Ground water data end date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**Map ID**

**Direction**

**Distance**

**Elevation**

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Ground-water levels, Number of Measurements: 1

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<td>M</td>
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### Ground-water Levels

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**Well Details**

- **Well ID:** S122
- **County:** BUCKS
- **APG:** 231
- **Topography:** FLAT SURFACE
- **Well Depth:** 142
- **Elevation:** 309
- **Accuracy:** 5
- **Hydrologic:** 02040202
- **Latitude Accuracy:** Not Reported
- **Quad:** HATBORO
- **Type of Site:** WELL
- **Date Create:** Not Reported
- **Date Update:** Not Reported
- **Source of Depth Data:** Field checked by reporting agency (PaDAg pest. survey)

**Aquifer Details**

- **Aquifer:** STOCKTON FORMATION
- **Aquifer Type:** Single well, other than collector or Ranney type

**Additional Details**

- **Municipality:** WARMINSTER TWP.
- **Latitude:** 40.20222
- **Longitude:** -75.07917
- **Depth to Bed:** 0
- **Date Drilled:** Not Reported
- **PAWIS ID:** 42504
- **Agency Use Section:** OBSERVATION
- **Agency Use Date:** 08/19/1996 00:00:00
Construction Information:
- Construction Date: 08/19/1996 00:00:00
- Driller: 1
- Source Cons Data: INTERPRETED FROM LOGS
- Method Cons: AIR ROTARY
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 20
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 144
- Hole Diameter: 0

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: 0
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: TEST
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 08/19/1996 00:00:00
Ground-water levels, Number of Measurements: 0

124
East
1/4 - 1/2 Mile
Higher

WELLID: 401223075035401
LOCALWELLN: BK 953
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 601
ELEVATION: 315
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +5 SECONDS
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
dateupdate: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20639
LONGITUDE: -75.065
DEPTHTOSED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 7078

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 01/01/1966 00:00:00
Driller: 0226
Source Cons Data: WELL OWNER
Method Cons: OTHER/UNKNOWN
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Casing Diameter: 10
Casing Wall Thickness: Not Reported
Bottom Of Casing: 50
Casing STEEL

Top Of Casing: 0
Casing Diameter: 14
Casing Wall Thickness: Not Reported
Bottom Of Casing: 30
Casing STEEL
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 0
Hole Diameter: 10

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Production Information:
Discharge Type: PUMPED
Data Source: O
Discharge Meas Method: Not Reported
Discharge: 167
W L Data Source: A
W L Meas Method: Not Reported
Prod W L: 238
Spec Cap: 720000028610229
Site Status W L Meas: Not Reported
Date Discharged: 06/22/1966 00:00:00

Owner Information:
Owner: WARMINSTER AUTH
Date Ownership: 01/01/1966 00:00:00

Other ID Information:
Other Identifier: 13
Other I D Assignor: OWNER PA
Other Identifier: D-66-204 CP
Other I D Assignor: DRBC
Other Identifier: BK- 17
Other I D Assignor: DRBC-PA

Z125
WSW
1/4 - 1/2 Mile
Higher
WELLID: 401209075044701 LOCALWELLN: BK 2852
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELLDEPTH: 157
ELEVATION: 315
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDDD: 40.2025
LONGITUDE: -75.07972
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 08/19/1996 00:00:00

**Construction Information:**
- **Construction Date:** 08/19/1996 00:00:00
- **Driller:** 1
- **Source Cons Data:** INTERPRETED FROM LOGS
- **Method Cons:** AIR ROTARY
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 19
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 19
- **Hole Diameter:** 10
- **Top Of Hole:** 19
- **Bottom Of Hole:** 159
- **Hole Diameter:** 6

**Geohydrologic Information:**
- **A A P G:** 231SCKN
- **Lithology:** SANDSTONE
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** 0
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** TEST
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 08/19/1996 00:00:00

---

Z126  
WSW  
1/4 - 1/2 Mile Higher  

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<td>S</td>
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<td>State:</td>
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<td>Location map:</td>
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<td>Map scale:</td>
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Ground-water levels, Number of Measurements: 0

V127
WSW
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2965
Latitude: 401212
Longitude: 0750449
Dec lon: -75.07989318
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 310
Altitude accuracy: 5
Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 20011015
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 102
Source of depth data: logs
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Peak flow data begin date: Not Reported
Water quality data end date: Not Reported
Ground water data count begin date: Not Reported
Project number: 444223500
Source of depth data: reporting agency (generally USGS)
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Peak flow data begin date: Not Reported
Water quality data end date: Not Reported
Ground water data count begin date: Not Reported

Ground-water levels, Number of Measurements: 0
## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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<th>Elevation</th>
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<tr>
<td>AA128</td>
<td>SW</td>
<td>1/4 - 1/2 Mile</td>
<td>Higher</td>
<td>PA WELLS</td>
<td>PA1000000057469</td>
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### WELL Details

- **WELLID:** 401202075043901
- **LOCALWELLN:** BK 2848
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** FLAT SURFACE
- **WELDEPTH:** 143
- **ELEVATION:** 333
- **ELEMETHOD:** Not Reported
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040202
- **LATLONGACCURACY:** Not Reported
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)

### Source Depth Data: USGS or PAGS

- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDEDD:** 40.20056
- **LONGITUDEDD:** -75.0775
- **DEPTHTOBED:** 0
- **DATEDRILLE:** Not Reported
- **PAGWIS ID:** 42489

### Agency Use Section

- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 08/16/1996 00:00:00

### Construction Information

- **Construction Date:** 08/16/1996 00:00:00
- **Driller:** 1
- **Method Cons:** AIR ROTARY
- **Finish:** OPEN HOLE

### Casing Information

- **Top Of Casing:** 0
- **Bottom Of Casing:** 20
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

### Hole Information

- **Top Of Hole:** 0
- **Bottom Of Hole:** 20
- **Hole Diameter:** 10
- **Top Of Hole:** 20
- **Bottom Of Hole:** 144
- **Hole Diameter:** 6

### Geohydrologic Information

- **AAPG:** 231SCKN
- **Lithology:** SANDSTONE
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** 0
- **Bottom Of Interval:** Not Reported

---

TC01779758.1r Page A-134
| **Ground-water levels, Number of Measurements:** | 1 |
| **Feet below Surface** | **Feet to Sealevel** |
| 1996-08-27 | 16.08 |

**AA129**
**SW**
1/4 - 1/2 Mile
Higher

<table>
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<th><strong>Agency cd:</strong></th>
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<th><strong>Latitude:</strong></th>
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<th><strong>Dec lat:</strong></th>
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<tbody>
<tr>
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<td>0750439</td>
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<td>42</td>
<td>017</td>
<td>US</td>
<td>HATBORO</td>
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</table>

**Site type:** Ground-water other than Spring
**Date inventoried:** 19960816

**Type of ground water site:** Single well, other than collector or Ranney type
**Aquifer Type:** STOCKTON FORMATION
**Aquifer:** Not Reported
**Well depth:** 143
**Hole depth:** Not Reported

**Source of depth data:** reporting agency (generally USGS)
**Real time data flag:** 0
**Daily flow data end date:** 0000-00-00
**Peak flow data begin date:** 0000-00-00
**Peak flow data count:** 0
**Water quality data begin date:** 0000-00-00
**Ground water data begin date:** 1996-08-27
**Ground water data end date:** 1996-08-27

**Ground water data count:** 1

**Date Ownership:** NAVAL AIR WARFARE CENTER

**Owner Information:**
**Owner:** NAVAL AIR WARFARE CENTER
**Date Ownership:** 08/16/1996 00:00:00

**Z130**
**WSW**
1/4 - 1/2 Mile
Higher

<table>
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<th><strong>Site no:</strong></th>
<th><strong>Latitude:</strong></th>
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<td>-75.0771536</td>
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**Site type:** Flat surface
**Date inventoried:** 19960816

**Type of ground water site:** Ground-water other than Spring
**Aquifer:** STOCKTON FORMATION
**Well depth:** 143
**Hole depth:** Not Reported

**Source of depth data:** reporting agency (generally USGS)
**Real time data flag:** 0
**Daily flow data end date:** 0000-00-00
**Peak flow data begin date:** 0000-00-00
**Peak flow data count:** 0
**Water quality data begin date:** 0000-00-00
**Ground water data begin date:** 1996-08-27
**Ground water data end date:** 1996-08-27

**Ground water data count:** 1

**Date Ownership:** NAVAL AIR WARFARE CENTER

**Owner Information:**
**Owner:** NAVAL AIR WARFARE CENTER
**Date Ownership:** 08/16/1996 00:00:00
Agency cd: USGS  
Site name: BK 2851  
Latitude: 401208  
Longitude: 0750448  
Dec lat: 40.20222  
Dec lon: -75.07961541  
Coor accl: S  
Dec latlong datum: NAD83  
State: 42  
Country: US  
Location map: HATBORO  
Altitude: 321  
Altitude method: M  
Topographic: Flat surface  
Site type: Ground-water other than Spring  
Date inventoried: 19960819  
Date construction: 19960819  
Local standard time flag: Y  
Type of ground water site: Single well, other than collector or Ranney type  
Aquifer Type: Not Reported  
Aquifer: STOCKTON FORMATION  
Well depth: 57  
Hole depth: 59  
Source of depth data: reporting agency (generally USGS)  
Real time data flag: 0  
Daily flow data count: 0  
Peak flow data count: 0  
Water quality data count: 0  
Ground water data count: 1  

Ground-water levels, Number of Measurements: 1

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<th>Feet to</th>
<th>Date</th>
<th>Surface</th>
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PA WELLS  
PA1000000057746  
Z131  
WSW  
1/4 - 1/2 Mile  
Higher  
WELLID: 401208075044801  
LOCALWELLN: BK 2851  
COUNTY: BUCKS  
AAPG: 231SCKN  
TOPOGRAPHY: FLAT SURFACE  
WELDEPTH: 57  
ELEVATION: 321  
ELEVMETHOD: Not Reported  
ACCURACYOF: 5  
HYDROLOGIC: 02040202  
LATLONACCURACY: Not Reported  
QUAD: HATBORO  
TYPESITE: WELL  
DATECREATE: Not Reported  
DATEUPDATE: Not Reported  
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  
SOURCE DEPTH DATA: USGS OR PAGS  
MUNICIPALITY: WARMINSTER TWP.  
LATITUDEDD: 40.20222  
LONGITUDE: -75.08
| DEPTH TO BED: | 0 |
| DATEDRILL: | Not Reported |
| PAGWIS ID: | 42505 |

Agency Use Section:
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 08/19/1996 00:00:00

Construction Information:
- **Construction Date:** 08/19/1996 00:00:00
- **Driller:** 1
- **Source Cons Data:** INTERPRETED FROM LOGS
- **Method Cons:** AIR ROTARY
- **Finish:** OPEN HOLE

Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 19
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 59
- **Hole Diameter:** 10

Geohydrologic Information:
- **A A P G:** 231SCKN
- **Lithology:** SANDSTONE
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** 0
- **Bottom Of Interval:** Not Reported

Water Use Information:
- **Site Use:** TEST
- **Water Use:** UNUSED

Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 08/19/1996 00:00:00

---

**AB132**
**SE**
1/4 - 1/2 Mile

| Agency cd: | USGS |
| Site name: | BK 373 |
| Latitude: | 401203 |
| Longitude: | 0750401 |
| Dec lon: | -75.0665595 |
| Coor accr: | S |
| Coor latlong datum: | NAD83 |
| State: | 42 |
| Country: | US |
| Location map: | HATBORO |
| Altitude: | 330 |
| Topographic: | Valley flat |
| Site type: | Ground-water other than Spring |
| Date construction: | 19410801 |
| Date inventoried: | Not Reported |
| Mean greenwich time offset: | EST |

**DATE RILLED:**

**DEPT D TO BED:**

**DRLR:**

**GEOCHECK ® - PHYSICAL SETTING SOURCE MAP FINDINGS**
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**Agency Use Information:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

**Construction Information:**
- **Construction Date:** 08/01/1941 00:00:00
- **Driller:** -241
- **Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED
- **Method Cons:** CABLE TOOL
- **Finish:** OPEN HOLE
Casing Information:
Top Of Casing: 0
Bottom Of Casing: Not Reported
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 250
Hole Diameter: 8

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: INDUSTRIAL

Production Information:
Discharge Type: PUMPED
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: 125
SWL: Not Reported
W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: Not Reported
Spec Cap: 1.77999997138977
Drawdown: Not Reported
Test Length: 3
Site Status W L Meas: Not Reported
Date Discharged: 07/28/1943 00:00:00

Owner Information:
Owner: U S NADC
Date Ownership: 08/01/1941 00:00:00

Other ID Information:
Other Identifier: 1
Other I D Assignor: OWNER PA

AC134
PA WELLS PA10000000057706

1/4 - 1/2 Mile

Higher
WELLID: 401207075035601 LOCALWELLN: BK 1035
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 0
ELEVATION: 335
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGLONGITUDE: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20194
LONGITUDE: -75.06556
Ground-water levels, Number of Measurements: 0

AA136
SW
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2847
Latitude: 401201
Longitude: 0750441
Dec lon: -75.07767094
Coor accr: S
Dec latlong datum: NAD83
State: PA
Country: US
Location map: HATBORO
Altitude: 335
Altitude accuracy: 5
Topographic: Flat surface
Site type: Ground-water other than Spring
Date inventoried: 19960827
Date construction: 19960816
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: STOCKTON FORMATION
Well depth: 84
Hole depth: Not Reported
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1996-08-27
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<th>Feet to seal level</th>
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AA137
SW
1/4 - 1/2 Mile
Higher

WELLID: 401201075044101
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELDEPTH: 84
ELEVATION: 335
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 020402020

PA WELLS
PA1000000057433
LATLONACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20028
LONGITUDEDD: -75.07806
DEPTHTOBE: 0
DATEDRILL: Not Reported
PAGWIS ID: 42486

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 08/27/1996 00:00:00

Construction Information:
Construction Date: 08/16/1996 00:00:00
Driller: 1
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing Casing Diameter: 6
Casing Wall Thickness: Not Reported
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 83
Hole Diameter: 0

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: OTHER

Owner Information:
Owner: NAWC
Date Ownership: 08/16/1996 00:00:00
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCEDEPHTDATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20167
LONGITUDE: -75.08028
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWISID: 42501

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 04/18/1994 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19
Casing Wall Thickness: Not Reported
Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 19
Hole Diameter: 8

Top Of Hole: 19
Bottom Of Hole: 172.5
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 82
Bottom Open Interval: 100
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: PERFORATED, POROUS, OR SLOTTED CASING

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 04/18/1994 00:00:00
### Remarks Information:
- **Remark:** MP - 1.8 FT ABOVE LAND SURFACE
- **Remark Date:** 04/26/1994 00:00:00

### Other ID Information:
- **Other Identifier:** HN-18-S
- **Other I D Assignor:** OWNER PA

---

**Z139**

**SW**

1/4 - 1/2 Mile

**Higher**

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**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 06/15/1995 00:00:00

**Construction Information:**
- **Construction Date:** 04/01/1994 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 26
- **Casing:** STEEL
  - **Casing Diameter:** 6
  - **Casing Wall Thickness:** Not Reported
- **Top Of Casing:** 0
- **Bottom Of Casing:** 98
- **Casing:** PVC OR OTHER PLASTIC
  - **Casing Diameter:** 2
  - **Casing Wall Thickness:** Not Reported
Hole Information:
Top Of Hole: 0
Bottom Of Hole: 26  Hole Diameter: 8
Top Of Hole: 26
Bottom Of Hole: 127  Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 82
Bottom Open Interval: 100  Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: PERFORATED, POROUS, OR SLOTTED CASING

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 04/01/1994 00:00:00

Remarks Information:
Remark: MP = 2.2 FT ABOVE LAND SURFACE
Remark Date: 04/04/1994 00:00:00

Z140
SW
1/4 - 1/2 Mile Higher

Agency cd: USGS  Site no: 401206075044901
Site name: BK 2606
Latitude: 401206
Longitude: 0750449  Dec lat: 40.20177525
Dec lon: -75.0798932  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 310  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 19940418
Date inventoried: 19950616  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 172.5  Hole depth: 172.5
Source of depth data: reporting agency (generally USGS)  Project number: 444223500
Real time data flag: 0  Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00  Daily flow data count: 0
Peak flow data begin date: 0000-00-00  Peak flow data end date: 0000-00-00
Note: The site had been pumped recently.

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**Peak flow data count:** 0  
**Water quality data end date:** 0000-00-00  
**Water quality data count:** 0  
**Ground water data begin date:** 1994-04-26  
**Ground water data end date:** 1994-04-26

**Ground-water levels, Number of Measurements:** 1

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<th>Feet to Sealevel</th>
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</thead>
<tbody>
<tr>
<td>1994-04-26</td>
<td>1.50</td>
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</table>

Note: The site had been pumped recently.

**Z141**  
**SW**  
**1/4 - 1/2 Mile Higher**  
**FED USGS**  
**USGS2164996**

**Agency cd:** USGS  
**Site no:** 401206075044902

**Site name:** BK 2607  
**Latitude:** 401206

**Longitude:** 0750449  
**Dec lat:** 40.20177525  
**Coor accru:** S  
**Latlong datum:** NAD27

**Dec latlong datum:** NAD83  
**State:** 42  
**County:** 017  
**Country:** US  
**Land net:** Not Reported  
**Location map:** HATBORO  
**Map scale:** 24000

**Altitude:** 310  
**Altitude method:** M  
**Altitude accuracy:** 5  
**Altitude datum:** NGVD29

**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.

**Topographic:** Valley flat

**Site type:** Ground-water other than Spring  
**Date construction:** 199404  
**Mean greenwich time offset:** EST

**Date inventoried:** 19950615

**Local standard time flag:** Y

**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** Not Reported

**Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER  
**Well depth:** Not Reported  
**Hole depth:** 127

**Source of depth data:** reporting agency (generally USGS)  
**Project number:** 444223500

**Real time data flag:** 0  
**Daily flow data end date:** 0000-00-00  
**Daily flow data begin date:** 0000-00-00

**Peak flow data end date:** 0000-00-00  
**Peak flow data begin date:** 0000-00-00  
**Peak flow data count:** 0  
**Water quality data end date:** 0000-00-00  
**Water quality data begin date:** 0000-00-00  
**Ground water data end date:** 1994-04-04  
**Ground water data begin date:** 1994-04-04

**Ground water data count:** 1

**Ground-water levels, Number of Measurements:** 1

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</thead>
<tbody>
<tr>
<td>1994-04-04</td>
<td>3.7</td>
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</table>

Note: The site had been pumped recently.

**AD142**  
**South**  
**1/4 - 1/2 Mile Higher**  
**PA WELLS**  
**PA10000000057204**

TC01779758.1r Page A-146
WELLID: Not Reported  LOCALWELLN: 5330N
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 60
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: 02040201
LATLONACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATERELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.19861
LONGITUDE: -75.07389
DEPTHTOBED: 10
DATEDRILL: Not Reported
PAGWIS ID: 65051

Construction Information:
Construction Date: 10/01/1980 00:00:00
Driller: 512
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 21  Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
AAPG: 231SCKN
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: Not Reported
Water Use: INDUSTRIAL

Owner Information:
Owner: SMC MARTIN ASSOC.
Date Ownership: Not Reported

Remarks Information:
Remark: MONITORING WELL
Remark Date: Not Reported
Well ID: 5330N
Owner's Name: SMC MARTIN ASSOC.
Latitude: 401155
Quadrangle: HATBORO
Hydrologic Unit: 02040201
Water Usage: INDUSTRIAL
Well Depth: 60
Casing 1: 21
Casing2: Not Reported
Grouted: Not Reported
Static Water Level: 30
Yield (gpm): 0.5
Drawdown: Not Reported
Bedrock: 10
Water Bearing Zone 1: Not Reported
Water Bearing Zone 2: Not Reported
Water Bearing Zone 3: Not Reported
Municipality: WARMINSTER
Aquifer: STOCKTON FORMATION
County: BUCKS
Longitude: 750426
Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Topographic Setting: HILLSIDE
Site Usage: Not Reported
Finish: OPEN HOLE
Casing1 Diameter(inches): 6
Casing2 Diameter(inches): Not Reported
Date Drilled: 10-80
Production WL: Not Reported
Yield Measurement Method: V
Test Time: Not Reported
Driller: 512
Water Bearing Zone 2: Not Reported
Lithology: Not Reported
Remark: MONITORING WELL

---

Water Table Depth:
- Deepest: 12.82
- Shallowest: 11.77

Groundwater Flow: NNE

Date: 06/04/1997

---

Well ID: 401156075043401
Owner's Name: BUCKS
County: LOCALWELLN: BK 2581
AQP: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 300
ELEVATION: 338
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEDD: 40.19889
LONGITUDEED: -75.07611
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42473
**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: 03/29/1994 00:00:00

**Construction Information:**
- Construction Date: 03/29/1994 00:00:00
- Driller: 0330
- Source Cons Data: USGS OR PAGS
- Method Cons: AIR ROTARY
- Finish: Not Reported

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 300
- Casing: PVC OR OTHER PLASTIC
- Casing Wall Thickness: Not Reported
- Casing Diameter: 2

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 19
- Hole Diameter: 6

**Screen Opening Information:**
- Top Open Interval: 278
- Bottom Open Interval: 300
- Open Interval Material: PLASTIC
- Opening: SCREEN
- Diameter Open Interval: 2

**Geohydrologic Information:**
- A A P G: 231 SCKNM
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: 0
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: OBSERVATION
- Water Use: UNUSED

**Owner Information:**
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 03/29/1994 00:00:00

**Remarks Information:**
- Remark: LSD - 1.5
- Remark Date: 04/04/1994 00:00:00
SCREEN Opening:
PLASTIC Open Interval Material:
2 Diameter Open Interval: 50
Bottom Open Interval: 28
Top Open Interval: 7

Screen Opening Information:
Hole Diameter: 50
Bottom Of Hole: 20
Top Of Hole: 28

Hole Information:
Top Of Hole: 20
Bottom Of Hole: 0

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: STEEL

Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 28
Bottom Open Interval: 20

Open Interval Material: PLASTIC
Opening: SCREEN

Screen Opening Information:
Hole Diameter: 50
Bottom Of Hole: 20
Top Of Hole: 28

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: STEEL

Casing Wall Thickness: Not Reported
Casing Diameter: 6
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 10

Water Use Information:
Site Use: OBSERVATION

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/30/1994 00:00:00

Remarks Information:
Remark: LSD 0.6
Remark Date: 04/04/1994 00:00:00

AE147
SSW
1/4 - 1/2 Mile Higher

WELLID: 401156075043402
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELLDEPTH: 95
ELEVATION: 338
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEDD: 40.19889
LONGITUDEED: -75.07611
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42474

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 03/30/1994 00:00:00

Construction Information:
Construction Date: 03/30/1994 00:00:00
Driller: 0330
Source Cons Data: Not Reported
Method Cons: AIR ROTARY
Finish: Not Reported
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 95
- Casing Material: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 95
- Hole Diameter: 8
- Top Of Hole: 19
- Bottom Of Hole: 100
- Hole Diameter: 6

Screen Opening Information:
- Top Open Interval: 70
- Bottom Open Interval: 95
- Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: 10
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 03/30/1994 00:00:00

Remarks Information:
- Remark: LSD - 1.5
- Remark Date: 04/04/1994 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

AE148
SSW
1/4 - 1/2 Mile
Higher

Agency cd: USGS
Site name: BK 2580
Latitude: 401156
Longitude: 0750434
Dec Ion: -75.07572646
Coo accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 338
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19940330
Date construction: 19940330
Mean greenwich time offset: EST
### AE150
#### SSW
1/4 - 1/2 Mile Higher

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<td>Coor acr:</td>
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<td>Dec latlong datum:</td>
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Ground-water levels, Number of Measurements: 1

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### AC151
#### SE
1/2 - 1 Mile Higher

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<td>BUCKS</td>
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<td>231 SCKNM</td>
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<tr>
<td>TOPOGRAPHY:</td>
<td>VALLEY FLAT</td>
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<td>WELLDEPTH:</td>
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<td>ELEVATION:</td>
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QUAD: HATBORO
TYPESITE: WELL
DATCREATE: Not Reported DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCEDEPTHDATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20139
LONGITUDE: -75.065
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWISID: 42498

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 03/07/1994 00:00:00
Driller: 0330
Source Cons Data: REPORTED
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 14
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 14
Hole Diameter: 8

Top Of Hole: 14
Bottom Of Hole: 6
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 40
Bottom Open Interval: 60
Open Interval Material: PLASTIC
Opening: SCREEN
Diameter Open Interval: 2

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/07/1994 00:00:00
**Remarks Information:**

Remark: LSD -2.0 TOC  
Remark Date: 03/07/1994 00:00:00

---

**AC152**  
**SE**  
**1/2 - 1 Mile Higher**

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<td>Country:</td>
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<td>Location map:</td>
<td>HATBORO</td>
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<td>Valley flat</td>
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<td>Site type:</td>
<td>Ground-water other than Spring</td>
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<td>Date inventoried:</td>
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<tr>
<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer:</td>
<td>STOCKTON FORMATION,MIDDLE MEMBER</td>
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<td>Well depth:</td>
<td>61.5</td>
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<td>Source of depth data:</td>
<td>reporting agency (generally USGS)</td>
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<td>Real time data flag:</td>
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<tr>
<td>Peak flow data begin date:</td>
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</tr>
<tr>
<td>Water quality data begin date:</td>
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<td>Ground water data count:</td>
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**Ground-water levels, Number of Measurements: 1**

<table>
<thead>
<tr>
<th>Date</th>
<th>Surface</th>
<th>Sealevel</th>
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<tbody>
<tr>
<td>1994-03-07</td>
<td>10.3</td>
<td></td>
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Note: The site had been pumped recently.
Note: The site was flowing, but the head could not be measured without additional equipment.
AF155
WSW
1/2 - 1 Mile
Higher

Agency cd: USGS
Site name: BK 2603
Latitude: 401210
Longitude: 0750454
Dec Ion: -75.0812811
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 318.99
Altitude method: L
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: Not Reported
Source of depth data: reporting agency (generally USGS)
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Daily flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Water quality data count: Not Reported
Ground water data begin date: Not Reported
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0
## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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<thead>
<tr>
<th>Field</th>
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<tbody>
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<td>USGS</td>
</tr>
<tr>
<td>Site name:</td>
<td>BK 2605</td>
</tr>
<tr>
<td>Latitude:</td>
<td>401210</td>
</tr>
<tr>
<td>Longitude:</td>
<td>0750454</td>
</tr>
<tr>
<td>Dec lat:</td>
<td>40.20288633</td>
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<tr>
<td>Coor meth:</td>
<td>M</td>
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<tr>
<td>Latlong datum:</td>
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</tr>
<tr>
<td>District:</td>
<td>42</td>
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<tr>
<td>State:</td>
<td>017</td>
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<tr>
<td>Country:</td>
<td>US</td>
</tr>
<tr>
<td>Land net:</td>
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<tr>
<td>Location map:</td>
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<tr>
<td>Map scale:</td>
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<tr>
<td>Altitude method:</td>
<td>M</td>
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<td>Altitude accuracy:</td>
<td>5</td>
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<tr>
<td>Altitude datum:</td>
<td>NGVD29</td>
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<td>Topographic:</td>
<td>Valley flat</td>
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<td>Date inventoried:</td>
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<td>Mean greenwich time offset:</td>
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<td>Local standard time flag:</td>
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<tr>
<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer Type:</td>
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<td>Aquifer:</td>
<td>STOCKTON FORMATION,MIDDLE MEMBER</td>
</tr>
<tr>
<td>Well depth:</td>
<td>287</td>
</tr>
<tr>
<td>Hole depth:</td>
<td>304</td>
</tr>
<tr>
<td>Source of depth data:</td>
<td>reporting agency (generally USGS)</td>
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<tr>
<td>Project number:</td>
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<td>Real time data flag:</td>
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<td>Daily flow data count:</td>
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<tr>
<td>Peak flow data begin date:</td>
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<td>Peak flow data end date:</td>
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**Ground-water levels, Number of Measurements:** 1

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<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<td>1994-03-11</td>
<td>12.6</td>
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*Note: The site had been pumped recently.*

**AF157**

**WSW**

**1/2 - 1 Mile Higher**

<table>
<thead>
<tr>
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<tr>
<td>COUNTY:</td>
<td>BUCKS</td>
</tr>
<tr>
<td>AAPG:</td>
<td>231SCKNM</td>
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<td>TOPOGRAPHY:</td>
<td>VALLEY FLAT</td>
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<td>WELDEPTH:</td>
<td>287</td>
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<td>ELEVATION:</td>
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<td>ELEVMETHOD:</td>
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<td>DATECREATE:</td>
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<td>DATEUPDATE:</td>
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<td>FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)</td>
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<tr>
<td>SOURCE DEPTH DATA:</td>
<td>USGS OR PAGS</td>
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<tr>
<td>MUNICIPALITY:</td>
<td>WARMINSTER TWP.</td>
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<td>LATITUDEEDD:</td>
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<tr>
<td>LONGITUDE:</td>
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PA WELLS | PA1000000057828
DEPTH TO BED: 0
DATE DRILLED: Not Reported
PAGWIS ID: 42513

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 03/11/1994 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19.5
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Top Of Casing: 0
Bottom Of Casing: 287
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 2

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 19.5
Hole Diameter: 8

Top Of Hole: 19.5
Bottom Of Hole: 304
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 252
Bottom Open Interval: 289
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: PERFORATED, POROUS, OR SLOTTED CASING

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/11/1994 00:00:00

Remarks Information:
Remark: MP- 1.4 FEET ABOVE LS
Remark Date: 03/11/1994 00:00:00
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

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<td>S</td>
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<td>Type of ground water site:</td>
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Ground-water levels, Number of Measurements: 1

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<th>Date</th>
<th>Surface</th>
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<th>Feet to</th>
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<td>1995-08-03</td>
<td>43.13</td>
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<p>| Ground-water levels, Number of Measurements: 1 |</p>
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<tr>
<th>Date</th>
<th>Feet below</th>
<th>Feet to</th>
<th>Sealevel</th>
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<tr>
<td>1995-08-03</td>
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**AH159**

<table>
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<tr>
<th>WSW</th>
<th>1/2 - 1 Mile</th>
<th>Higher</th>
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<td>Coor accr:</td>
<td>S</td>
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<td>Dec latlong datum:</td>
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<td>State:</td>
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<td>County:</td>
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<td>Country:</td>
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<td>Location map:</td>
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Ground water levels, Number of Measurements: 1
Date       Feet below Surface    Feet to Sealevel
1995-03-29  4

AH160
WSW
1/2 - 1 Mile Higher

Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER

Well depth: 100
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data count: 0
Peak flow data count: 0
Water quality data count: 0

Ground water data begin date: 1995-03-23
Ground water data end date: 1995-03-29

HATBORO
42

Agency cd: USGS
Site name: BK 2764
Latitude: 401205
Longitude: 0750453
Dec lon: -75.08100435
Dec latlong datum: NAD83

State: 42
Country: US
Location map: HATBORO

Altitude: 320
Altitude accuracy: 5
Altitude method: M
Altitude datum: NGVD29

Mean greenwich time offset: EST
<table>
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<th>Ground-water levels, Number of Measurements: 1</th>
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<td>Feet below</td>
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<tr>
<td>Date</td>
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<td>1995-03-23</td>
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### AH161

**Agency cd:** USGS  **Site no:** 401205075045301

**Site name:** BK 2763  **Latitude:** 401205

**Longitude:** 0750453  **Dec lat:** 40.20149747

**Dec ion:** -75.08100435  **Dec latlong datum:** NAD83

**Coor acco:** S  **Dec latlong datum:** Not Reported

**Dec latlong datum:** NAD83  **District:** 42

**State:** 42  **County:** 017

**Country:** US  **Land net:** Not Reported

**Land net:** HATBORO  **Map scale:** 24000

**Altitude:** 320  **Altitude method:** M

**Altitude accuracy:** 5  **Altitude datum:** NGVD29

**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.

**Topographic:** Valley flat

**Site type:** Ground-water other than Spring  **Date construction:** 19950404

**Date inventoried:** Not Reported  **Mean greenwich time offset:** EST

**Local standard time flag:** Y

**Local standard time flag:** Not Reported

**Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER

**Well depth:** 76  **Hole depth:** 104

**Source of depth data:** reporting agency (generally USGS)  **Project number:** 444223500

**Real time data flag:** 0

**Daily flow data end date:** 0000-00-00  **Daily flow data count:** 0

**Peak flow data begin date:** 0000-00-00  **Peak flow data count:** 0

**Peak flow data count:** 0  **Water quality data begin date:** 0000-00-00

**Water quality data end date:** 0000-00-00  **Water quality data count:** 0

**Ground water data begin date:** 1995-04-05  **Ground water data end date:** 1995-04-05

**Ground water data count:** 1

### AH162

**Agency cd:** USGS  **Site no:** 401205075045301

**Site name:** BK 2763  **Latitude:** 401205

**Longitude:** 0750453  **Dec lat:** 40.20149747

**Dec ion:** -75.08100435  **Dec latlong datum:** NAD83

**Coor acco:** S  **Dec latlong datum:** Not Reported

**Dec latlong datum:** NAD83  **District:** 42

**State:** 42  **County:** 017

**Country:** US  **Land net:** Not Reported

**Land net:** HATBORO  **Map scale:** 24000

**Altitude:** 320  **Altitude method:** M

**Altitude accuracy:** 5  **Altitude datum:** NGVD29

**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.

**Topographic:** Valley flat

**Site type:** Ground-water other than Spring  **Date construction:** 19950404

**Date inventoried:** Not Reported  **Mean greenwich time offset:** EST

**Local standard time flag:** Y

**Local standard time flag:** Not Reported

**Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER

**Well depth:** 76  **Hole depth:** 104

**Source of depth data:** reporting agency (generally USGS)  **Project number:** 444223500

**Real time data flag:** 0

**Daily flow data end date:** 0000-00-00  **Daily flow data count:** 0

**Peak flow data begin date:** 0000-00-00  **Peak flow data count:** 0

**Peak flow data count:** 0  **Water quality data begin date:** 0000-00-00

**Water quality data end date:** 0000-00-00  **Water quality data count:** 0

**Ground water data begin date:** 1995-04-05  **Ground water data end date:** 1995-04-05

**Ground water data count:** 1
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd: USGS  Site no: 401205075045302
Site name: BK 2766
Latitude: 401205
Longitude: 0750453  Dec lat: 40.20149747
Dec lon: -75.08100435  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 320  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 19950404
Date inventoried: Not Reported  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 46  Hole depth: 104
Source of depth data: reporting agency (generally USGS) Project number: 444223500
Real time data flag: 0  Daily flow data begin date: 0000-00-00
Daily flow data flag: 0  Daily flow data count: 0
Peak flow data begin date: 0000-00-00  Peak flow data end date: 0000-00-00
Peak flow data count: 0  Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00  Water quality data count: 0
Ground water data begin date: 1995-04-05  Ground water data end date: 1995-04-05
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Surface Feet below</th>
<th>Sealevel Feet to</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995-04-05 9.35</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AH163
WSW
1/2 - 1 Mile

FED USGS  USGS2164988

Higher

Agency cd: USGS  Site no: 401205075045304
Site name: BK 2575
Latitude: 401205
Longitude: 0750453  Dec lat: 40.20149747
Dec lon: -75.08100435  Coor meth: M
Coor accr: S  Latlong datum: NAD27
Dec latlong datum: NAD83  District: 42
State: 42  County: 017
Country: US  Land net: Not Reported
Location map: HATBORO  Map scale: 24000
Altitude: 320  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring  Date construction: 19950302
Date inventoried: Not Reported  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 134 Hole depth: 163
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: 0
Daily flow data count: 0
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00
Peak flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Water quality data count: 0
Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00
Ground water data begin date: 1995-03-23
Ground water data end date: 1995-03-23
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<tbody>
<tr>
<td>1995-03-23</td>
<td>6.84</td>
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</table>

AG164
WNW
1/2 - 1 Mile
Lower

Agency cd: USGS Site no: 401226075045801
Site name: BK 2802 Dec lat: 40.20733069
Latitude: 401226 Dec lon: -75.08239319
Longitude: 0750458 Coor meth: M
Dec ion: -75.08239319 Coor acc: S
Dec latlong datum: NAD83 Latlong datum: NAD27
State: 42 Dec latlong: HAHBORO NAD83
Dec lat: 40.20733069
Country: US Dec lon: -75.08239319
State: 42 Country: 017
Location map: HATBoro District: 42
Map scale: 24000 Altitude method: M
Altitude: 280 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Flat surface
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 85 Hole depth: 91
Source of depth data: reporting agency (generally USGS)
Project number: Not Reported
Real time data flag: 0
Daily flow data count: 0
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00
Peak flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Water quality data count: 0
Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00
Ground water data begin date: 1995-08-02
Ground water data end date: 1995-08-02
Ground water data count: 1
Ground-water levels, Number of Measurements: 1

<table>
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<tr>
<th>Date</th>
<th>Feet below</th>
<th>Feet to</th>
<th>Surface</th>
<th>Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995-08-02</td>
<td></td>
<td>61.24</td>
<td></td>
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</tr>
</tbody>
</table>

AG165
West
1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 2803
Latitude: 401224
Longitude: 0750459
Dec lon: -75.08267098
Coor acc: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 290
Altitude accuracy: 5
Topographic: Flat surface
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION
Well depth: 160
Hole depth: 163
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data end date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1995-08-02
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<th>Feet to</th>
<th>Surface</th>
<th>Sealevel</th>
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</thead>
<tbody>
<tr>
<td>1995-08-02</td>
<td></td>
<td>63.26</td>
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AI166
SE
1/2 - 1 Mile
Higher

FED USGS USGS2164798

1/2 - 1 Mile
Lower

FED USGS USGS2165113
### Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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</thead>
<tbody>
<tr>
<td>1994-02-28</td>
<td></td>
<td>12.3</td>
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Note: The site had been pumped recently.

---

**Ground-water other than Spring**

**Site information:**
- **Agency cd:** USGS
- **Site name:** BK 2601
- **Latitude:** 40.1158
- **Longitude:** -75.06572617
- **Dec lat:** 40.19944
- **Dec lon:** -75.066111
- **State:** 42
- **County:** 017
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 360
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Valley flat
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER
- **Well depth:** 100
- **Hole depth:** 102
- **Source of depth data:** reporting agency (generally USGS)
- **Real time data flag:** 0
- **Daily flow data begin date:** 0000-00-00
- **Daily flow data count:** 0
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data count:** 0
- **Water quality data begin date:** 0000-00-00
- **Ground water data begin date:** 1994-02-28
- **Ground water data count:** 1

**PA WELLS**

**PA000000057326**

**WELLID:** 401158075035801  **LOCALWELLN:** BK 2601

**COUNTY:** BUCKS  **AAPG:** 231SCKNM

**TOPOGRAPHY:** VALLEY FLAT  **WELDEPTH:** 100

**ELEVATION:** 360  **ELEVMETHOD:** Not Reported

**ACCURACYOF:** 5  **HYDROLOGIC:** 02040201

**LATLONGLACCURACY:** Not Reported  **QUAD:** HATBORO

**TYPEOF_SITE:** WELL  **DATECREATE:** Not Reported  **DATEUPDATE:** Not Reported

**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  **SOURCE DEPTH DATA:** USGS OR PAGS

**MUNICIPALITY:** WARMINSTER TWP.  **LATITUDE:** 40.19944  **LONGITUDE:** -75.06611
DEPTHTOBed: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42482

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 02/10/1994 00:00:00
Driller: 0330
Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 20
Hole Diameter: 8
Top Of Hole: 20
Bottom Of Hole: 102
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 65
Bottom Open Interval: 85
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/10/1994 00:00:00

Remarks Information:
Remark: LSD=LS
Remark Date: 02/28/1994 00:00:00

AF168
WSW
1/2 - 1 Mile Higher
Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Surface</th>
<th>Seallevel</th>
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</thead>
<tbody>
<tr>
<td>1996-09-05</td>
<td>11.88</td>
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</table>

Pipe data start: 1996-09-05

End pipe data: 1996-09-05
DEPTHHTOBED: 0
DATEDRUILLE: Not Reported
PAGWIS ID: 42510

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 08/28/1996 00:00:00
Driller: 1
Source Cons Data: INTERPRETED FROM LOGS
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 21
Hole Diameter: 10
Top Of Hole: 21
Bottom Of Hole: 153
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 08/27/1996 00:00:00

AF170
WSW
1/2 - 1 Mile Higher
Agency cd: USGS
Site name: BK 2974
Latitude: 401207
Longitude: 0750456
Dec lon: -75.0818377
Dec lat: 40.20205301
Coor accr: S
Latlong datum: NAD83
Dec latlong datum: NAD27
State: 42
Country: US
Location map: HATBORO
Site no: 401207075045601
M
District: 42
County: 017
Map scale: 24000
Land net: Not Reported

TC01779758.1r Page A-170
Ground water data count: 1995-03-24
Ground water data end date: 1995-03-24
Ground water data begin date: 1995-03-24
Water quality data count: 0
Water quality data end date: 0000-00-00
Water quality data begin date: 0000-00-00
Peak flow data count: 0
Peak flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Daily flow data count: 0
Daily flow data end date: 0000-00-00
Daily flow data begin date: 0000-00-00
Real time data flag: 4
Project number: 444223500
Source of depth data: logs
Hole depth: 128
Well depth: 130

Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION
Aquifer Type: Unconfined single aquifer

Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 1995-03-06
Date construction: 2000
Mean greenwich time offset: EST
Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION
Aquifer Type: Unconfined single aquifer

Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: 1995-03-06
Mean greenwich time offset: EST
Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER

Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: 1995-03-06
Mean greenwich time offset: EST
Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Aquifer Type: Unconfined single aquifer

Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: 1995-03-06
Mean greenwich time offset: EST
Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Aquifer Type: Unconfined single aquifer

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
<table>
<thead>
<tr>
<th>Ground-water levels, Number of Measurements: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feet below</td>
</tr>
<tr>
<td>Date</td>
</tr>
<tr>
<td>1995-03-24</td>
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</tbody>
</table>

### AH172

<table>
<thead>
<tr>
<th>Agency cd:</th>
<th>Site no:</th>
</tr>
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<tbody>
<tr>
<td>USGS</td>
<td>401203</td>
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</tbody>
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<table>
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<tr>
<th>Site name:</th>
<th>Latitude:</th>
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<tbody>
<tr>
<td>BK 2677</td>
<td>401203</td>
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<table>
<thead>
<tr>
<th>Longitude:</th>
<th>Dec lat:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0750453</td>
<td>40.20094192</td>
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</table>

<table>
<thead>
<tr>
<th>Dec Ion:</th>
<th>Coor meth:</th>
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<tbody>
<tr>
<td>-75.08100436</td>
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<table>
<thead>
<tr>
<th>Coor accr:</th>
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<tr>
<td>S</td>
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<table>
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<table>
<thead>
<tr>
<th>State:</th>
<th>County:</th>
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<tbody>
<tr>
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<td>017</td>
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<table>
<thead>
<tr>
<th>Country:</th>
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<td>HATBORO</td>
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<table>
<thead>
<tr>
<th>Altitude:</th>
<th>Altitude accuracy:</th>
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<tbody>
<tr>
<td>320</td>
<td>5</td>
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<tr>
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<td>NGVD29</td>
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<tr>
<th>Hydrologic:</th>
<th>Topographic:</th>
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<tbody>
<tr>
<td>CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.</td>
<td>Valley flat</td>
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<thead>
<tr>
<th>Site type:</th>
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<tbody>
<tr>
<td>Ground-water other than Spring</td>
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<table>
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<td>19950306</td>
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<tbody>
<tr>
<td>Y</td>
<td>Single well, other than collector or Ranney type</td>
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<table>
<thead>
<tr>
<th>Aquifer Type:</th>
<th>Aquifer:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Reported</td>
<td>STOCKTON FORMATION,MIDDLE MEMBER</td>
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<table>
<thead>
<tr>
<th>Well depth:</th>
<th>Hole depth:</th>
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<tbody>
<tr>
<td>133</td>
<td>133</td>
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<thead>
<tr>
<th>Source of depth data:</th>
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<tbody>
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<table>
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<tr>
<th>Real time data flag:</th>
<th>Daily flow data begin date:</th>
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<thead>
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<th>Daily flow data count:</th>
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<tbody>
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<tr>
<th>Ground water data end date:</th>
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### AJ173

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<td>FED USGS</td>
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<th>SW</th>
<th>FED USGS</th>
<th>USGS2165105</th>
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<td>1/2 - 1 Mile</td>
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<tr>
<th>SW</th>
<th>FED USGS</th>
<th>USGS2165105</th>
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<td>Country:</td>
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<tr>
<td>Site type:</td>
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</tr>
<tr>
<td>Date inventoried:</td>
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</tr>
<tr>
<td>Local standard time flag:</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
<td></td>
</tr>
<tr>
<td>Aquifer Type:</td>
<td>Not Reported</td>
<td></td>
</tr>
<tr>
<td>Aquifer:</td>
<td>STOCKTON FORMATION</td>
<td></td>
</tr>
<tr>
<td>Well depth:</td>
<td>162</td>
<td></td>
</tr>
<tr>
<td>Hole depth:</td>
<td>164</td>
<td></td>
</tr>
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</tr>
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<td>Ground water data begin date:</td>
<td>1995-08-03</td>
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<tr>
<td>Ground water data end date:</td>
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<td>Ground-water levels, Number of Measurements:</td>
<td>1</td>
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<tr>
<td>Feet below Surface to Sealevel:</td>
<td>24.88</td>
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<table>
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<tr>
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</tr>
<tr>
<td>Site name:</td>
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</tr>
<tr>
<td>Latitude:</td>
<td>401209</td>
</tr>
<tr>
<td>Longitude:</td>
<td>0750458</td>
</tr>
<tr>
<td>Dec Ion:</td>
<td>-75.08239326</td>
</tr>
<tr>
<td>Coor accr:</td>
<td>S</td>
</tr>
<tr>
<td>Dec latlong datum:</td>
<td>NAD83</td>
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</tr>
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<td>Country:</td>
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</tr>
<tr>
<td>Location map:</td>
<td>HATBORO</td>
</tr>
<tr>
<td>Altitude:</td>
<td>322</td>
</tr>
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<td>Altitude accuracy:</td>
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<td>Flat surface</td>
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<tr>
<td>Site type:</td>
<td>Ground-water other than Spring</td>
</tr>
<tr>
<td>Date inventoried:</td>
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<td>Mean greenwich time offset:</td>
<td>EST</td>
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</table>

AF174  
WSW  
1/2 - 1 Mile  
Higher  

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<thead>
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<tbody>
<tr>
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<td>Site name:</td>
<td>BK 2855</td>
</tr>
<tr>
<td>Latitude:</td>
<td>401209</td>
</tr>
<tr>
<td>Longitude:</td>
<td>0750458</td>
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<tr>
<td>Dec Ion:</td>
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<td>Dec latlong datum:</td>
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<td>State:</td>
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<td>Country:</td>
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<td>Location map:</td>
<td>HATBORO</td>
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<tr>
<td>Altitude:</td>
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<td>Altitude accuracy:</td>
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</tr>
<tr>
<td>Topographic:</td>
<td>Flat surface</td>
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<tr>
<td>Site type:</td>
<td>Ground-water other than Spring</td>
</tr>
<tr>
<td>Date inventoried:</td>
<td>19960828</td>
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<tr>
<td>Mean greenwich time offset:</td>
<td>EST</td>
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</table>
Local standard time flag: \( Y \)
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 42
Hole depth: 44
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: 0
Daily flow data end date: 0000-00-00
Daily flow data begin date: 0000-00-00
Peak flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Water quality data count: 0
Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00
Ground water data count: 1
Ground water data begin date: 1996-09-05
Ground water data end date: 1996-09-05

Ground-water levels, Number of Measurements: 1

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<tr>
<th>Feet below</th>
<th>Feet to</th>
<th>Date</th>
<th>Surface</th>
<th>Sealevel</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>1996-09-05</td>
<td>11.59</td>
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AF175
WSW
1/2 - 1 Mile
Higher

Agency cd: USGS
Site no: 401209075045802
Site name: BK 2854
Latitude: 401209
Longitude: 0750458
Dec Ion: -75.08239326
Coor accr: S
Dec lat/long datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 322
Altitude accuracy: 5
Altitude method: M
Altitude datum: NGVD29
Topographic: Flat surface
Site type: Ground-water other than Spring
Date inventoried: 19960829
Date construction: 19960829
Local standard time flag: \( Y \)
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 201
Hole depth: Not Reported
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: 0
Daily flow data end date: 0000-00-00
Daily flow data begin date: 0000-00-00
Peak flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Water quality data count: 0
Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00
Ground water data count: 1
Ground water data begin date: 1996-09-05
Ground water data end date: 1996-09-05
AF176
WSW
1/2 - 1 Mile
Higher

WELLID: 401209075045801
LOCALWELLN: BK 2855
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELDEPTH: 201
ELEVATION: 322
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DEPTHTOBED: -75.08278
LONGITUDED: 40.2025
LATITUDEDD: -75.08278
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42511

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 08/29/1996 00:00:00

Construction Information:
Construction Date: 08/29/1996 00:00:00
Driller: 1
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 44
Hole Diameter: 10

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Ground-water levels, Number of Measurements: 1
Feet below Surface
Feet to Sealevel
Date 1996-09-05 10.48
Water Use Information:
Site Use: TEST
Water Use: OTHER

Owner Information:
Owner: NAWC
Date Ownership: 08/29/1996 00:00:00

AK177
NW
1/2 - 1 Mile
Lower
Agency cd: USGS
Site name: BK 1050
Latitude: 401237
Longitude: 0750454
Dec lon: -75.081282
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 265
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: Not Reported
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 1979-08-03
Ground water data begin date: 0000-00-00
Ground water data count: 0

Ground-water levels, Number of Measurements: 0

AK178
NW
1/2 - 1 Mile
Lower
WELLID: 401237075044501
LOCALWELLN: BK 1050
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLDEPTH: 0
ELEVATION: 265
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATARELIAIBILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.21028
LONGITUDE: -75.08167
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 7080

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 44
Hole Diameter: 10

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: IRRIGATION

Owner Information:
Owner: HABERMEHL, C
Date Ownership: 01/01/1953 00:00:00

Agency cd: USGS
Site name: BK 2679
Latitude: 401205
Longitude: 0750456
Dec ion: -75.08183771
Coor accr: S
Dec latlong datum: NAD83
Distric: 42
State: 42
County: 017
Country: US
Land net: Not Reported
Location map: HATBORO
Map scale: 24000
Altitude: 320
Altitude method: M
Altitude accuracy: 5
Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring
Date construction: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 130 Hole depth: 130
Source of depth data: reporting agency (generally USGS) Project number: 444223500
Real time data flag: 0 Daily flow data begin date: 0000-00-00
Daily flow data count: 0 Daily flow data begin date: 0000-00-00
Peak flow data count: 0 Peak flow data end date: 0000-00-00
Water quality data count: 0 Water quality data begin date: 0000-00-00
Ground water data begin date: 1995-03-29
Ground water data count: 1

Data Sheet (continued)

Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Seal level</th>
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</thead>
<tbody>
<tr>
<td>1995-03-29</td>
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Agency cd: USGS
Site name: BK 376
Latitude: 401158
Longitude: 0750449
Dec Ion: -75.07989323
Coor Accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 335
Altitude accuracy: 5
Topographic: Flat surface
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 592 Hole depth: Not Reported
Source of depth data: Not Reported
Real time data flag: 0 Project number: 444209300
Daily flow data end date: 0000-00-00
Daily flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 1979-10-22
Water quality data count: 2
Ground water data begin date: 1943-10-19
Ground water data count: 1
Ground-water levels, Number of Measurements: 1

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<td>1943-10-19</td>
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**AJ181**

**SW**

1/2 - 1 Mile Higher

**WELLID:** 401158075044901  **LOCALWELLN:** BK 376

**COUNTY:** BUCKS

**AAPG:** 231SCKN

**TOPOGRAPHY:** FLAT SURFACE

**WELLEDPTH:** 592

**ELEVATION:** 335

**ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP

**ACCURACYOF:** 5

**HYDROLOGIC:** 02040201

**LATLONGACCURACY:** ACCURATE TO +1 SECOND

**QUAD:** HATBORO

**TYPEOSITE:** WELL

**DATECREATE:** Not Reported  **DATEUPDATE:** Not Reported

**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)

**SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED

**MUNICIPALITY:** WARMINSTER TWP.

**LATITUDEDD:** 40.19944

**LONGITUDED:** -75.08028

**DEPHTOBED:** 0

**DATEDRILLE:** Not Reported

**PAGWIS ID:** 7072

**Agency Use Section:**

**Agency Use of Site:** OBSERVATION

**Agency Use Date:** Not Reported

**Construction Information:**

**Construction Date:** 04/01/1942 00:00:00

**Driller:** 0249

**Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED

**Method Cons:** CABLE TOOL

**Finish:** OPEN HOLE

**Casing Information:**

<table>
<thead>
<tr>
<th>Top Of Casing</th>
<th>Bottom Of Casing</th>
<th>Casing Wall Thickness</th>
<th>Casing Diameter</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>8</td>
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**Hole Information:**

<table>
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<tr>
<th>Top Of Hole</th>
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<th>Hole Diameter</th>
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<tr>
<td>0</td>
<td>592</td>
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**Geohydrologic Information:**

**A A P G:** 231SCKN

**Lithology:** UNKNOWN

**Contributing Unit:** PRIMARY

**Top Of Interval:** Not Reported  **Bottom Of Interval:** Not Reported
Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: PUMPED
Data Source: S
Discharge Meas Method: Not Reported
Discharge: 152 SWL: 55
W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: 164 Drawdown: 109
Spec Cap: 1.3999997615814 Test Length: 8
Site Status W L Meas: Not Reported
Date Discharged: 07/28/1943 00:00:00

Owner Information:
Owner: U S NADC
Date Ownership: 04/01/1942 00:00:00

Other ID Information:
Other Identifier: 4 Other I D Assignor: OWNER PA

AL182
WSW
1/2 - 1 Mile
Higher
WELLID: 401206075045701 LOCALWELLN: BK 374
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELDEPTH: 250
ELEVATION: 330
ELEVMETHOD: UNKNOWN
ACURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEEDD: 40.20167
LONGITUDE: -75.0825
DEPTHTOBER: 0
DATEDRILLE: Not Reported
PAGWIS ID: 7075

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported
Construction Information:
- Construction Date: 08/01/1941 00:00:00
- Driller: 241
- Source Cons Data: WELL OWNER
- Method Cons: CABLE TOOL
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Casing Wall Thickness: Not Reported
- Bottom Of Casing: Not Reported
- Casing Diameter: 8
- Casing: UNKNOWN

Hole Information:
- Top Of Hole: 0
- Hole Diameter: 8
- Bottom Of Hole: 250

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

Production Information:
- Discharge Type: PUMPED
- Data Source: Not Reported
- Discharge Meas Method: Not Reported
- Discharge: 134
- SWL: 60
- W L Data Source: Not Reported
- W L Meas Method: Not Reported
- Prod W L: 78
- Drawdown: 18
- Spec Cap: 7.44000005722046
- Test Length: 8
- Site Status W L Meas: Not Reported
- Date Discharged: 07/28/1943 00:00:00

Owner Information:
- Owner: U S NADC
- Date Ownership: 08/01/1941 00:00:00

Other ID Information:
- Other Identifier: 2
- Other I D Assignor: OWNER PA
Agency cd: USGS Site no: 401206075045701
Site name: BK 374
Latitude: 401206
Longitude: 0750457 Dec lat: 40.20177524
Dec ion: -75.08211549 Coor meth: M
Coor accr: S Latlong datum: NAD27
Dec latlong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 330.00 Altitude method: U
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Flat surface
Site type: Ground-water other than Spring Date construction: 19410801
Date inventoried: Not Reported Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 250 Hole depth: Not Reported
Source of depth data: Not Reported Project number: 444209300
Real time data flag: 0 Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00 Daily flow data count: 0
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 1956-12-05
Water quality data end date: 1956-12-05 Water quality data count: 1
Ground water data begin date: 1943-10-20 Ground water data end date: 1943-10-20
Ground water data count: 1

Ground-water levels, Number of Measurements: 1
Feet below Surface Feet to Sealevel
-------------------------------------------------
1943-10-20 68.00

AH184
WSW
1/2 - 1 Mile
Higher

Agency cd: USGS Site no: 401204075045601
Site name: BK 2680
Latitude: 401204
Longitude: 0750456 Dec lat: 40.20121969
Dec ion: -75.08183771 Coor meth: M
Coor accr: S Latlong datum: NAD27
Dec latlong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 320 Altitude method: U
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring Date construction: Not Reported
Date inventoried: Not Reported Mean greenwich time offset: EST

TC01779758.1tr Page A-182
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 98.5
Hole depth: 98.5
Source of depth data: reporting agency (generally USGS)
Project number: 444223500
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data begin date: 1995-03-30
Ground water data end date: 1995-03-30
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<th>Sealevel Feet to</th>
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</table>

**AL185**
WSW
1/2 - 1 Mile
Higher

**WELLID:** 401205075045701 **LOCALWELLN:** BK 2617
**COUNTY:** BUCKS
**AAPG:** 231SCKNM
**TOPOGRAPHY:** VALLEY FLAT
**WELDEPTH:** 144
**ELEVATION:** 320
**ELEVMETHOD:** Not Reported
**ACCURACYYOF:** 5
**HYDROLOGIC:** 02040201
**LATLONGACCURACY:** Not Reported
**QUAD:** HATBORO
**TYPEOFSITE:** WELL
**DATECREATE:** Not Reported **DATEUPDATE:** Not Reported
**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
**SOURCE DEPTH DATA:** USGS OR PAGS
**MUNICIPALITY:** WARMINSTER TWP.
**LATITUDEEDD:** 40.20139
**LONGITUDEEDD:** -75.0825
**DEPTHTOBED:** 0
**DATEDRILLE:** Not Reported
**PAGWIS ID:** 42499

**Agency Use Section:**
**Agency Use of Site:** OBSERVATION
**Agency Use Date:** 03/14/1994 00:00:00

**Construction Information:**
**Construction Date:** 03/14/1994 00:00:00
**Driller:** 0330
**Source Cons Data:** DRILLER’S RECORD
**Method Cons:** Not Reported
**Finish:** SCREEN
**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 19
- **Casing Material:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 19
- **Hole Diameter:** 8

**Screen Opening Information:**
- **Top Open Interval:** 127
- **Bottom Open Interval:** 144
- **Diameter Open Interval:** 2
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

**Geohydrologic Information:**
- **AAPG:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

**Owner Information:**
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 03/14/1994 00:00:00

**Remarks Information:**
- **Remark:** LSD - LS
- **Remark Date:** 03/16/1994 00:00:00

---

**AL186**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

<table>
<thead>
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<td>AAPG</td>
<td>231SCKNM</td>
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<tr>
<td>TOPOGRAPHY</td>
<td>VALLEY FLAT</td>
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<td>ACCURACYOF</td>
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<tr>
<td>HYDROLOGIC</td>
<td>02040201</td>
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</table>

**PA WELLS**  
**PA1000000057612**
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCEDEPTH DATA: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20139
LONGITUDE: -75.0825
DEPTH TO BED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42500

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 03/15/1994 00:00:00

Construction Information:
Construction Date: 03/15/1994 00:00:00
Driller: 0330
Source Cons Data: INTERPRETED FROM LOGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 18 Casing Diameter: 6
Casing: STEEL

Top Of Casing: 18 Casing Wall Thickness: Not Reported
Bottom Of Casing: 100 Casing Diameter: 2
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 8
Bottom Of Hole: 18

Top Of Hole: 19
Bottom Of Hole: 100 Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 48 Diameter Open Interval: 2
Bottom Open Interval: 66
Open Interval Material: PLASTIC Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED
Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/15/1994 00:00:00

Remarks Information:
Remark: LSD - LS
Remark Date: 03/16/1994 00:00:00

AM187
SSE
1/2 - 1 Mile
Higher

WELLID: 401151075040901 LOCALWELLN: BK 378
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILTOP
WELDEPTH: 278
ELEVATION: 360
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBRO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.1975
LONGITUDEDD: -75.06917
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5016

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 10/01/1949 00:00:00
Driller: 0399
Source Cons Data: WELL OWNER
Method Cons: CABLE TOOL
Finish: OPEN HOLE

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 278 Hole Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported
### Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Seal level</th>
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<tbody>
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<td>1994-03-16</td>
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**AL188**

**WSW**

1/2 - 1 Mile
Higher

**FED USGS**

**USGS2164991**

---

**AL189**

**WSW**

1/2 - 1 Mile
Higher

---

**Ground-water levels, Number of Measurements: 1**

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<tr>
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**AL188**

**WSW**

1/2 - 1 Mile
Higher

---

**Ground-water levels, Number of Measurements: 1**

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**AL189**

**WSW**

1/2 - 1 Mile
Higher

---

**Ground-water levels, Number of Measurements: 1**

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<td>Site no:</td>
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<tr>
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<td>Aquifer Type:</td>
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Ground-water levels, Number of Measurements: 1

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Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 278
Source of depth data: Not Reported
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

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<td>AAPG: 231SCKN</td>
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<td>TOPOGRAPHY: VALLEY FLAT</td>
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<td>WELDEPTH: 400</td>
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<td>ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP</td>
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<td>HYDROLOGIC: 02040201</td>
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<td>SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED</td>
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<td>PAGWIS ID: 7082</td>
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Agency Use Section:
Agency Use of Site: 1
Agency Use Date: Not Reported

Construction Information:
Construction Date: 12/06/1977 00:00:00
Driller: 0330
Source Cons Data: DRILLER'S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 66
- Casing: STEEL
- Top Of Casing: 0
- Bottom Of Casing: 21
- Casing: STEEL

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 400
- Hole Diameter: 12

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: SANDSTONE AND SHALE
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Production Information:
- Discharge Type: PUMPED
- Data Source: D
- Discharge Meas Method: W
- Discharge: 508
- W L Data Source: D
- W L Meas Method: AIRLINE
- Prod W L: 132
- Spec Cap: 3.84999990463257
- Drawdown: 132
- SWL: 0
- Test Length: 48
- Site Status W L Meas: Not Reported
- Date Discharged: 01/02/1978 00:00:00

Owner Information:
- Owner: WARMINSTER AUTH
- Date Ownership: 12/06/1977 00:00:00

Other ID Information:
- Other Identifier: 32
- Other I D Assignor: OWNER PA
- Other Identifier: BK- 24
- Other I D Assignor: DRBC-PA

Ah192
SW 1/2 - 1 Mile
Higher
- WELLID: 401202075045501
- LOCALWELLN: BK 2615
- COUNTY: BUCKS
- AAPG: 231SCKNM
- TOPOGRAPHY: VALLEY FLAT
- WELDEPTH: 84
- ELEVATION: 30
- ELEVMETHOD: Not Reported
- ACCURACYOF: 5
- HYDROLOGIC: 020402075045501

PA WELLS PA1000000057468
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PASAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20056
LONGITUDE: -75.08194
DEPTH TO BED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42490

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 03/25/1994 00:00:00

Construction Information:
Construction Date: 03/25/1994 00:00:00
Driller: 0330
Source Cons Data: Not Reported
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Top Of Casing: 0
Bottom Of Casing: 84
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 2

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 19
Hole Diameter: 8

Top Of Hole: 19
Bottom Of Hole: 83
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 66
Bottom Open Interval: 84
Open Interval Material: PLASTIC
Diameter Open Interval: 2
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
 Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED
### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 03/25/1994

### Remarks Information:
- **Remark:** LSD - LS
- **Remark Date:** 03/31/1994

### Ground-water Levels
- **Number of Measurements:** 1

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**Information about location and measurements:**

- **Agency cd:** USGS
- **Site name:** BK 2615
- **Latitude:** 401202
- **Longitude:** 0750455
- **Dec lon:** -75.08155993
- **Coor accr:** S
- **Dec lat/long datum:** NAD83
- **State:** 42
- **County:** 017
- **Location map:** HATBORO
- **Altitude:** 320
- **Altitude accuracy:** 5
- **Altitude datum:** NGVD29
- **Hydrologic:** CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Valley flat
- **Date inventoried:** 19940325
- **Date construction:** 19940325
- **Mean greenwich time offset:** EST
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Aquifer:** STOCKTON FORMATION,MIDDLE MEMBER
- **Well depth:** 84
- **Hole depth:** 84
- **Source of depth data:** reporting agency (generally USGS)
- **Project number:** Project number: 444223500
- **Real time data flag:** 0
- **Daily flow data begin date:** 0000-00-00
- **Daily flow data count:** 0
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data end date:** 0000-00-00
- **Peak flow data count:** 0
- **Water quality data begin date:** 0000-00-00
- **Water quality data end date:** 0000-00-00
- **Ground water data begin date:** 1994-03-31
- **Ground water data end date:** 1994-03-31

---

**Location details:**

- **Date Ownership:** 03/25/1994 00:00:00
- **Remark Date:** 03/31/1994 00:00:00

---

**Additional information:**

- **Date Ownership:** 03/25/1994 00:00:00
- **Remark Date:** 03/31/1994 00:00:00
### Production Information

- **Discharge Type:** PUMPED
- **Data Source:** O
- **Discharge Meas Method:** R
- **Discharge:** 164
- **SWL:** 70
- **W L Data Source:** Not Reported
- **W L Meas Method:** Not Reported
- **Prod W L:** 164
- **Drawdown:** Not Reported
- **Spec Cap:** 1.74000000953674
- **Test Length:** 8
- **Site Status W L Meas:** Not Reported
- **Date Discharged:** 07/28/1943 00:00:00

---

### Construction Information

- **Construction Date:** 04/01/1942 00:00:00
- **Driller:** 0249
- **Source Cons Data:** WELL OWNER
- **Method Cons:** CABLE TOOL
- **Finish:** OPEN HOLE

---

### Casing Information

- **Top Of Casing:** 0
- **Bottom Of Casing:** Not Reported
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 8

---

### Hole Information

- **Top Of Hole:** 0
- **Bottom Of Hole:** 600
- **Hole Diameter:** 8

---

### Geohydrologic Information

- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

---

### Water Use Information

- **Site Use:** WITHDRAWAL
- **Water Use:** DOMESTIC
Ground-water levels, Number of Measurements: 1

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AJ196
SW
1/2 - 1 Mile
Higher

FED USGS
USGS2165085
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<td>Aquifer</td>
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<td>Depth data</td>
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<td>Daily flow data end date</td>
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Ground-water levels, Number of Measurements: 1

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**AN197**

**West**

1/2 - 1 Mile

**Lower**

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TC01779758.1r Page A-195
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 43958

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 05/08/1997 00:00:00

Construction Information:
Construction Date: 05/08/1997 00:00:00
Driller: 1
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 19.5 Casing Diameter: 6
Casing: Not Reported

Hole Information:
Top Of Hole: 0 Hole Diameter: 10
Bottom Of Hole: 20
Top Of Hole: 20 Hole Diameter: 6
Bottom Of Hole: 300.5

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 05/08/1997 00:00:00

AO198
SW
1/2 - 1 Mile Higher

WELLID: Not Reported LOCALWELLN: Not Reported
COUNTY: BUCKS
AAPG: 1
TOPOGRAPHY: Not Reported
WELLDEPTH: 584
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: Not Reported
SOURCE DEPTH DATA: Not Reported
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.1989
LONGITUDEDD: -75.0808

PA WELLS PA1000000057237
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 214795

Construction Information:
Construction Date: Not Reported
Driller: Not Reported
Source Cons Data: WELL OWNER
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 29
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Owner Information:
Owner: US NAVAL WARFARE CENTER
Date Ownership: Not Reported

Remarks Information:
Remark: Population Served = 200
Remark Date: Not Reported

Other ID Information:
Other Identifier: 1090116
Other ID Assignor: PA DEP PWSID

AO199
SW
1/2 - 1 Mile Higher

WELLID: Not Reported
COUNTY: BUCKS
AAPG: 1
TOPOGRAPHY: Not Reported
WELDEPTH: 600
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: Not Reported
SOURCE DEPTH DATA: Not Reported
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.1989
LONGITUDED: -75.0808

PA WELLS PA1000000057238

TC01779758.1r Page A-197
| **DEPTHTOBed:** | 0 |
| **DATEDRILLle:** | Not Reported |
| **PAGWIS ID:** | 214796 |

**Construction Information:**
- **Construction Date:** Not Reported
- **Driller:** Not Reported
- **Source Cons Data:** WELL OWNER
- **Method Cons:** Not Reported
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** Not Reported
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 8

**Water Use Information:**
- **Site Use:** WITHDRAWAL
- **Water Use:** PUBLIC SUPPLY

**Owner Information:**
- **Owner:** US NAVAL WARFARE CENTER
- **Date Ownership:** Not Reported

**Remarks Information:**
- **Remark:** Population Served = 200
- **Remark Date:** Not Reported

**Other ID Information:**
- **Other Identifier:** 1090116
- **Other I D Assignor:** PA DEP PWSID

---

**AN200**
**West**
**1/2 - 1 Mile**
**Lower**

**Agency cd:** USGS  **Site no:** 401226075050401
**Site name:** BK 2888  **Latitude:** 401226
**Longitude:** 0750504  **Dec lat:** 40.20733068
**Dec lon:** -75.0840599  **Coor meth:** M
**Coor accr:** S  **Latlong datum:** NAD27
**Dec latlong datum:** NAD83  **District:** 42
**State:** 42  **County:** 017
**Country:** US  **Land net:** Not Reported
**Location map:** HATBORO  **Map scale:** 24000
**Altitude:** 288  **Altitude method:** M
**Altitude accuracy:** 5  **Altitude datum:** NGVD29
**Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.
**Topographic:** Flat surface
**Site type:** Ground-water other than Spring  **Date construction:** 19970508
**Date inventoried:** 19970508  **Mean greenwich time offset:** EST
**Local standard time flag:** Y
**Type of ground water site:** Single well, other than collector or Ranney type
**Aquifer Type:** Not Reported
**Aquifer:** STOCKTON FORMATION
**Well depth:** 300  **Hole depth:** 300.5
**Source of depth data:** reporting agency (generally USGS)  **Project number:** Not Reported
**Real time data flag:** 0  **Daily flow data begin date:** 0000-00-00
**Daily flow data end date:** 0000-00-00  **Daily flow data count:** 0
**Peak flow data begin date:** 0000-00-00  **Peak flow data end date:** 0000-00-00

---

TC01779758.1r Page A-198
Ground-water levels, Number of Measurements: 1

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AN201
WNW
1/2 - 1 Mile Lower

WELLID: 401227075050401
LOCALWELLN: MG 2889
COUNTY: MONTGOMERY
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELDEPTH: 0
ELEVATION: 289
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATACREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: BEDMINSTER TWP.
LATITUDEDD: 40.2075
LONGITUDEDD: -75.08444
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 43959

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 05/12/1997 00:00:00

Construction Information:
Construction Date: 05/12/1997 00:00:00
Driller: 1
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Casing Wall Thickness: Not Reported
Bottom Of Casing: 19
Casing Diameter: 6
Casing: Not Reported
### Hole Information:

| Top Of Hole | 0 |
| Bottom Of Hole | 19 |
| Top Of Hole | 19 |
| Bottom Of Hole | 200.60006103516 |
| Hole Diameter | 10 |
| Hole Diameter | 6 |

### Water Use Information:

| Site Use | OBSERVATION |
| Water Use | UNUSED |

### Owner Information:

| Owner | NAVAL AIR WARFARE CENTER |
| Date Ownership | 05/12/1997 00:00:00 |

### AN202

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#### 1/2 - 1 Mile

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#### Location:

- **Agency cd:** USGS
- **Site Name:** BK 2889
- **Latitude:** 401227
- **Longitude:** 0750504
- **Dec lat:** -75.0840599
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location Map:** HATBORO
- **Altitude:** 289
- **Altitude Accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Type of Ground Water Site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Well Depth:** 200
- **Source of Depth Data:** reporting agency (generally USGS)
- **Real Time Data Flag:** 0
- **Daily Flow Data End Date:** 0000-00-00
- **Peak Flow Data Begin Date:** 0000-00-00
- **Peak Flow Data Count:** 0
- **Water Quality Data End Date:** 0000-00-00
- **Ground Water Data Begin Date:** 1997-05-19
- **Ground Water Data Count:** 1

#### Ground-water levels, Number of Measurements: 1

| Feet below | 19.97 |

---

**Project Number:** 401227075050401
### Geochek® - Physical Setting Source Map Findings

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- **WELLID**: 401253075043001
- **LOCALWELLN**: BK 951
- **COUNTY**: BUCKS
- **AAPG**: 231SCKN
- **TOPOGRAPHY**: HILLSIDE
- **WELDEPTH**: 528
- **ELEVATION**: 240
- **ELEVMETHOD**: INTERPOLATED FROM TOPOGRAPHIC MAP
- **ACCURACYOF**: 5
- **HYDROLOGIC**: 02040201
- **LATLONGACCURACY**: ACCURATE TO +1 SECOND
- **QUAD**: HATBORO
- **TYPEOFSITE**: WELL
- **DATESCREATE**: Not Reported
- **DATEUPDATE**: Not Reported
- **DATARELIAIBILITY**: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA**: OTHER/UNKNOWN/UNSPECIFIED
- **MUNICIPALITY**: WARNIMSTER TWP.
- **LATITUDEDD**: 40.21472
- **LONGITUDED**: -75.075
- **DEPTHTOBED**: 0
- **DATEDRILLE**: Not Reported
- **PAGWIS ID**: 7083

### Agency Use Section
- **Agency Use of Site**: OBSERVATION
- **Agency Use Date**: Not Reported

### Construction Information
- **Construction Date**: 01/01/1965 00:00:00
- **Driller**: 0226
- **Source Cons Data**: WELL OWNER
- **Method Cons**: OTHER/UNKNOWN
- **Finish**: OPEN HOLE

### Casing Information
- **Top Of Casing**: 0
- **Bottom Of Casing**: 45
- **Casing**: STEEL
- **Top Of Casing**: 0
- **Bottom Of Casing**: 57.5
- **Casing**: STEEL
- **Casing Wall Thickness**: Not Reported
- **Casing Diameter**: 10
- **Casing Wall Thickness**: Not Reported
- **Casing Diameter**: 14

### Hole Information
- **Top Of Hole**: 0
- **Bottom Of Hole**: 0
- **Hole Diameter**: 10

### Geohydrologic Information
- **AAPG**: 231SCKN
- **Lithology**: UNKNOWN
- **Contributing Unit**: PRIMARY
- **Top Of Interval**: Not Reported
- **Bottom Of Interval**: Not Reported

---

TC01779758.1r Page A-201
### Water Use Information:
- **Site Use:** WITHDRAWAL
- **Water Use:** PUBLIC SUPPLY

### Production Information:
- **Discharge Type:** PUMPED
- **Data Source:** O
- **Discharge Meas Method:** Not Reported
- **Discharge:** 503
- **W L Data Source:** O
- **W L Meas Method:** Not Reported
- **Prod W L:** 62
- **Spec Cap:** 8.10000038146973
- **Site Status W L Meas:** Not Reported
- **Date Discharged:** 06/25/1965 00:00:00
- **SWL:** -.0987625047564507
- **Drawdown:** Not Reported
- **Test Length:** 48

### Owner Information:
- **Owner:** WARMINSTER AUTH
- **Date Ownership:** 01/01/1965 00:00:00

### Other ID Information:
- **Other Identifier:** 10
- **Other I D Assignor:** OWNER PA
- **Other Identifier:** 203
- **Other I D Assignor:** ROY WESTON
- **Other Identifier:** D-65-114 CP
- **Other I D Assignor:** DRBC
- **Other Identifier:** BK- 15
- **Other I D Assignor:** DRBC-PA

---

**AP204**

**NW**

**1/2 - 1 Mile**

**Lower**

**WELLID:** 401243075045401
**LOCALWELLN:** BK 1051
**COUNTY:** BUCKS
**AAPG:** 231SCKN
**TOPOGRAPHY:** HILLSIDE
**WELLDEPTH:** 0
**ELEVATION:** 265
**ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP
**ACCURACYOF:** 5
**HYDROLOGIC:** 02040201
**LATLONGACCURACY:** ACCURATE TO +1 SECOND
**QUAD:** HATBORO
**TYPEOFSITE:** WELL
**DATECREATE:** Not Reported
**DATEUPDATE:** Not Reported
**DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
**SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
**MUNICIPALITY:** WARMINSTER TWP.
**LATITUDE:** 40.21194
**LONGITUDE:** -75.08167
**DEPTHTOBED:** 0
**DATEDRILLE:** Not Reported
**PAGWIS ID:** 5078

TC01779758.1r Page A-202
Agency Use Section:
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 45
- Casing: STEEL
- Casing Diameter: 10
- Casing Wall Thickness: Not Reported

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 0
- Hole Diameter: 10

Geohydrologic Information:
- A A P G: 23ISCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: UNUSED
- Water Use: UNUSED

Production Information:
- Discharge Type: Not Reported
- Data Source: Not Reported
- Discharge Meas Method: Not Reported
- Discharge: Not Reported
- SWL: 36.7000007629395
- W L Data Source: S
- W L Meas Method: STEEL TAPE
- Prod W L: Not Reported
- Drawdown: Not Reported
- Test Length: Not Reported
- Spec Cap: Not Reported
- Site Status W L Meas: STATIC WATER LEVEL
- Date Discharged: 08/30/1978 00:00:00

Owner Information:
- Owner: STOVER, R
- Date Ownership: 01/01/1963 00:00:00
Altitude: 265 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring Date construction: Not Reported
Date inventoried: Not Reported Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: Not Reported Hole depth: Not Reported
Source of depth data: Not Reported Project number: 444209300
Real time data flag: 0 Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00 Daily flow data count: 0
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00 Water quality data count: 0
Ground water data begin date: 1978-08-30 Ground water data end date: 1978-08-30
Ground water data count: 1

Ground-water levels, Number of Measurements: 1
Date Surface Sealevel
1978-08-30 36.72

AQ206
SW 1/2 - 1 Mile Higher

Agency cd: USGS Site no: 401201075045801
Site name: BK 2614
Latitude: 401201
Longitude: 0750458 Dec lat: 40.20038637
Dec lon: -75.08239329 Coor meth: M
Coor accr: S Latlong datum: NAD27
Dec latlong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 322 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Valley flat
Site type: Ground-water other than Spring Date construction: 19940325
Date inventoried: 19940325 Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 69 Hole depth: 78
Source of depth data: geologist Project number: 444223500
Real time data flag: 0 Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00 Daily flow data count: 0
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0 Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00 Water quality data count: 0
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- **Top Open Interval:** 43
- **Bottom Open Interval:** 69
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information:
- **A A P G:** 231SCKNM
- **Lithology:** SANDSTONE
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** 0
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 03/25/1994 00:00:00

### Remarks Information:
- **Remark:** LSD - LS
- **Remark Date:** 03/31/1994 00:00:00

---

**AN208**

**WNW**

**1/2 - 1 Mile**

**Lower**

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<td>FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)</td>
</tr>
<tr>
<td><strong>SOURCE DEPTH DATA:</strong></td>
<td>USGS OR PAGS</td>
</tr>
<tr>
<td><strong>MUNICIPALITY:</strong></td>
<td>BEDMINSTER TWP.</td>
</tr>
<tr>
<td><strong>LATITUDEDD:</strong></td>
<td>40.2075</td>
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<tr>
<td><strong>LONGITUDED:</strong></td>
<td>-75.08472</td>
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<td><strong>DEPTHTOBED:</strong></td>
<td>0</td>
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<tr>
<td><strong>DATEDRILLE:</strong></td>
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</tr>
<tr>
<td><strong>PAGWIS ID:</strong></td>
<td>43960</td>
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</table>
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 05/13/1997 00:00:00

Construction Information:
Construction Date: 05/13/1997 00:00:00
Driller: 1
Source Cons Data: DRILLER'S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 18
Casing: Not Reported
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 18
Hole Diameter: 10
Top Of Hole: 18
Bottom Of Hole: 101
Hole Diameter: 6

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 05/13/1997 00:00:00
<table>
<thead>
<tr>
<th>Date</th>
<th>Surface</th>
<th>Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997-05-19</td>
<td>20.04</td>
<td></td>
</tr>
</tbody>
</table>

**Ground-water levels, Number of Measurements: 1**

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Groundwater Level</th>
<th>Feet to Sealevel</th>
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</thead>
<tbody>
<tr>
<td>1997-05-19</td>
<td>20.04</td>
<td></td>
</tr>
</tbody>
</table>

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**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 09/11/1996 00:00:00

**Construction Information:**
- **Construction Date:** 09/11/1996 00:00:00
- **Driller:** 1
- **Source Cons Data:** INTERPRETED FROM LOGS
- **Method Cons:** AIR ROTARY
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 20
- **Casing Material:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6
Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 21
- Hole Diameter: 10
- Top Of Hole: 21
- Bottom Of Hole: 153
- Hole Diameter: 6

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: 0
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: TEST
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 09/11/1996 00:00:00

AR211
WSW
1/2 - 1 Mile
Higher

<table>
<thead>
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<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Agency cd</td>
<td>USGS</td>
</tr>
<tr>
<td>Site name</td>
<td>BK 2857</td>
</tr>
<tr>
<td>Latitude</td>
<td>401206</td>
</tr>
<tr>
<td>Longitude</td>
<td>0750502</td>
</tr>
<tr>
<td>Dec ion</td>
<td>-75.08350441</td>
</tr>
<tr>
<td>Coor accr</td>
<td>S</td>
</tr>
<tr>
<td>Dec latlong datum:</td>
<td>NAD83</td>
</tr>
<tr>
<td>State:</td>
<td>42</td>
</tr>
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<td>County:</td>
<td>US</td>
</tr>
<tr>
<td>Location map</td>
<td>HATBORO</td>
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<tr>
<td>Altitude</td>
<td>330</td>
</tr>
<tr>
<td>Altitude accuracy:</td>
<td>5</td>
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<td>Topographic</td>
<td>Flat surface</td>
</tr>
<tr>
<td>Site type</td>
<td>Ground-water other than Spring</td>
</tr>
<tr>
<td>Date inventoried:</td>
<td>19960911</td>
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<tr>
<td>Date construction:</td>
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<tr>
<td>Mean greenwich time offset:</td>
<td>EST</td>
</tr>
<tr>
<td>Local standard time flag:</td>
<td>Y</td>
</tr>
<tr>
<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
</tr>
<tr>
<td>Aquifer Type:</td>
<td>Not Reported</td>
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<tr>
<td>Aquifer:</td>
<td>STOCKTON FORMATION</td>
</tr>
<tr>
<td>Well depth</td>
<td>151</td>
</tr>
<tr>
<td>Source of depth data:</td>
<td>reporting agency (generally USGS)</td>
</tr>
<tr>
<td>Real time data flag:</td>
<td>0</td>
</tr>
<tr>
<td>Daily flow data begin date:</td>
<td>0000-00-00</td>
</tr>
<tr>
<td>Peak flow data begin date:</td>
<td>0000-00-00</td>
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<tr>
<td>Peak flow data count:</td>
<td>0</td>
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<tr>
<td>Water quality data end date:</td>
<td>0000-00-00</td>
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<tr>
<td>Ground water data begin date:</td>
<td>1996-09-23</td>
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</table>

TC01779758.1r Page A-209
| WELLED: | 401225075040801 | LOCALWELLN: | BK 960 |
| COUNTY: | BUCKS | | |
| AAPG: | 231SCKN | | |
| TOPOGRAPHY: | HILLSIDE | | |
| WELDD: | 400 | | |
| ELEVATION: | 280 | | |
| ELEVMETHOD: | INTERPOLATED FROM TOPOGRAPHIC MAP | | |
| ACCURACYOF: | 5 | | |
| HYDROLOGIC: | 02040201 | | |
| LATLONACCRACY: | ACCURATE TO +1 SECOND | | |
| QUAD: | HATBORO | | |
| TYPEOFSITE: | WELL | | |
| DATECREATE: | Not Reported | DATEUPDATE: | Not Reported |
| DATARELABILITY: | FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) | | |
| SOURCE DEPTH DATA: | OTHER/UNKNOWN/UNSPECIFIED | | |
| MUNICIPALITY: | NORTHAMPTON TWP. | | |
| LATITUDEDD: | 40.21194 | | |
| LONGITUDED: | -75.06361 | | |
| DEPTHTOBED: | 0 | | |
| DATEDRILLE: | Not Reported | | |
| PAGWIS ID: | 5056 | | |

**Agency Use Section:**
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

**Construction Information:**
- **Construction Date:** 01/01/1968 00:00:00
- **Driller:** 0413
- **Source Cons Data:** PRIVATE/UNIV GEOLOGIST (CONSULTANT)
- **Method Cons:** AIR ROTARY
- **Finish:** OPEN HOLE

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 40
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 6

- **Top Of Casing:** 0
- **Bottom Of Casing:** Not Reported
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 8

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 400
- **Hole Diameter:** 6
Geohydroplogic Information:
- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

Water Use Information:
- **Site Use:** WITHDRAWAL
- **Water Use:** IRRIGATION

Production Information:
- **Discharge Type:** PUMPED
- **Data Source:** G
- **Discharge Meas Method:** Not Reported
- **Discharge:** 350
- **W L Data Source:** Not Reported
- **W L Meas Method:** Not Reported
- **Prod W L:** Not Reported
- **Spec Cap:** Not Reported
- **Site Status W L Meas:** Not Reported
- **Date Discharged:** 01/01/1968 00:00:00

Owner Information:
- **Owner:** GOLF FARM
- **Date Ownership:** 06/01/1968 00:00:00

Other ID Information:
- **Other Identifier:** 2
  - **Other I D Assignor:** OWNER PA
- **Other Identifier:** 207
  - **Other I D Assignor:** ROY WESTON
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  Water quality data end date: 0000-00-00
Water quality data begin date: 0000-00-00
Ground water data begin date: 1967-01-01  Ground water data end date: 1967-01-01
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<tr>
<th>Date</th>
<th>Surface</th>
<th>Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1967-01-01</td>
<td>6.50</td>
<td></td>
</tr>
</tbody>
</table>

AT214
North 1/2 - 1 Mile Lower
PA WELLS PA1000000059456

WELLID: Not Reported  LOCALWELLN: X 2491
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: Not Reported
WELDEPTH: 85
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACOF: Not Reported
HYDROLOGIC: Not Reported
LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBoro
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: NORTHAMPTON TWP.
LATITUDE: 40.215
LONGITUDE: -75.07083
DEPTHTOBOED: 10
DATEDRILLE: Not Reported
PAGWIS ID: 68258

Construction Information:
Construction Date: 01/01/1973 00:00:00
Driller: 0130
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: Not Reported  Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
AAPG: 231SCKN
Lithology: 0
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported
### Well Information

#### AT215

**Owner:** RADELBACK HERB  
**Date Ownership:** Not Reported  
**Quadrangle:** HATBoro  
**Hydrologic Unit:** Not Reported  
**Water Usage:** DOMESTIC  
**Well Depth:** 85  
**Casing 1:** Not Reported  
**Casing 2:** Not Reported  
**Grouted:** Not Reported  
**Static Water Level:** 30  
**Yield (gpm):** 30  
**Bedrock:** 10  
**Water Bearing Zone 1:** Not Reported  
**Water Bearing Zone 2:** Not Reported  
**Water Bearing Zone 3:** Not Reported  
**Municipality:** NORTHAMPTON  
**Aquifer:** STOCKTON FORMATION  
**Remark:** 1745

#### AQ216

**Owner:** RADELBACK HERB  
**Date Ownership:** Not Reported  
**Quadrangle:** HATBoro  
**Hydrologic Unit:** Not Reported  
**Water Usage:** DOMESTIC  
**Well Depth:** 246  
**Casing 1:** OPEN HOLE  
**Casing 2:** 6  
**Grouted:** Not Reported  
**Static Water Level:** 30  
**Yield (gpm):** 30  
**Bedrock:** 10  
**Water Bearing Zone 1:** Not Reported  
**Water Bearing Zone 2:** Not Reported  
**Water Bearing Zone 3:** Not Reported  
**Municipality:** NOTCHAMPTON  
**Aquifer:** STOCKTON FORMATION  
**Remark:** 1745

---

**Well ID:** X 2491  
**Owner's Name:** RADELBACK HERB  
**Latitude:** 40.1254  
**Quadrangle:** HATBoro  
**Hydrologic Unit:** Not Reported  
**Water Usage:** DOMESTIC  
**Well Depth:** 85  
**Casing 1:** Not Reported  
**Casing 2:** Not Reported  
**Grouted:** Not Reported  
**Static Water Level:** 30  
**Yield (gpm):** 30  
**Bedrock:** 10  
**Water Bearing Zone 1:** Not Reported  
**Water Bearing Zone 2:** Not Reported  
**Water Bearing Zone 3:** Not Reported  
**Municipality:** NORTHAMPTON  
**Aquifer:** STOCKTON FORMATION  
**Remark:** 1745

---

**Well ID:** AQ216  
**Owner's Name:** RADELBACK HERB  
**Latitude:** 40.2008  
**Quadrangle:** HATBoro  
**Hydrologic Unit:** Not Reported  
**Water Usage:** DOMESTIC  
**Well Depth:** 246  
**Casing 1:** OPEN HOLE  
**Casing 2:** 6  
**Grouted:** Not Reported  
**Static Water Level:** 30  
**Yield (gpm):** 30  
**Bedrock:** 10  
**Water Bearing Zone 1:** Not Reported  
**Water Bearing Zone 2:** Not Reported  
**Water Bearing Zone 3:** Not Reported  
**Municipality:** NORTHAMPTON  
**Aquifer:** STOCKTON FORMATION  
**Remark:** 1745
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 214793

Construction Information:
- Construction Date: Not Reported
- Driller: Not Reported
- Source Cons Data: WELL OWNER
- Method Cons: Not Reported
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: Not Reported
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: PUBLIC SUPPLY

Owner Information:
- Owner: US NAVAL WARFARE CENTER
- Date Ownership: Not Reported

Remarks Information:
- Remark: Population Served = 200
- Remark Date: Not Reported

Other ID Information:
- Other Identifier: 1090116
- Other ID Assignor: PA DEP PWSID

AQ217
WSW
1/2 - 1 Mile Higher

WELLID: Not Reported
COUNTY: BUCKS
AAPG: 1
TOPOGRAPHY: Not Reported
WELDEPTH: 247
ELEVATION: 0
ELEVMETHOD: Not Reported
ACCURACYOF: Not Reported
HYDROLOGIC: Not Reported
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: Not Reported
SOURCE DEPTH DATA: Not Reported
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.2008
LONGITUDEDD: -75.0836
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 214794

Construction Information:
Construction Date: Not Reported
Driller: Not Reported
Source Cons Data: WELL OWNER
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: Not Reported
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Owner Information:
Owner: US NAVAL WARFARE CENTER
Date Ownership: Not Reported

Remarks Information:
Remark: Population Served = 200
Remark Date: Not Reported

Other ID Information:
Other Identifier: 1090116
Other I D Assignor: PA DEP PWSID

AU218
West
1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 1067
Latitude: 401221
Longitude: 0750508
Dec lon: -75.08517107
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 289
Altitude accuracy: 5
Topographic: Upland draw
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 400
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Hole depth: Not Reported
Project number: 444209300
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00
Peak flow data end date: 0000-00-00
Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1978-10-31</td>
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<td>12.88</td>
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</table>

AU219
West 1/2 - 1 Mile Lower

WELLID: 401221075050801  LOCALWELLN: BK 1067
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: UPLAND DRAW
WELLEDPTH: 400
ELEVATION: 290
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20583
LONGITUDEDD: -75.08556
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5051

Agency Use Section:
Agency Use of Site: I
Agency Use Date: Not Reported

Construction Information:
Construction Date: 10/20/1978 00:00:00
Driller: 0330
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 60  Casing Diameter: 8
Casing: STEEL
### Geophysical Setting Source Map Findings

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<tr>
<th>Top Of Casing:</th>
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<th>Casing Wall Thickness:</th>
<th>Not Reported</th>
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<tbody>
<tr>
<td>Bottom Of Casing:</td>
<td>Not Reported</td>
<td>Casing Diameter:</td>
<td>12</td>
</tr>
<tr>
<td>Casing:</td>
<td>STEEL</td>
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#### Hole Information

<table>
<thead>
<tr>
<th>Top Of Hole:</th>
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<tbody>
<tr>
<td>Bottom Of Hole:</td>
<td>400</td>
</tr>
<tr>
<td>Hole Diameter:</td>
<td>8</td>
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</tbody>
</table>

#### Geohydrologic Information

- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

#### Water Use Information

- **Site Use:** UNUSED
- **Water Use:** UNUSED

#### Production Information

- **Discharge Type:** PUMPED
- **Data Source:** D
- **Discharge Meas Method:** W
- **Discharge:** 23
- **SWL:** Not Reported
- **W L Data Source:** Not Reported
- **W L Meas Method:** Not Reported
- **Prod W L:** Not Reported
- **Spec Cap:** Not Reported
- **Test Length:** Not Reported
- **Site Status W L Meas:** Not Reported
- **Date Discharged:** 10/20/1978 00:00:00

#### Owner Information

- **Owner:** WARMINSTER AUTH
- **Date Ownership:** 10/20/1978 00:00:00

#### Other ID Information

- **Other Identifier:** 30
- **Other I D Assignor:** OWNER PA
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

<table>
<thead>
<tr>
<th>Date</th>
<th>Surface</th>
<th>Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997-02-11</td>
<td>10.51</td>
<td></td>
</tr>
</tbody>
</table>

### AR222 WSW

- **Well ID:** 401203075050301
- **County:** BUCKS
- **Aapg:** 231SCKN
- **Topography:** FLAT SURFACE
- **Well Depth:** 0
- **Elevation:** 330
- **Elevation Method:** Not Reported
- **Accuracy:** 5
- **Hydrologic:** 02040201
- **Lat/Long Accuracy:** Not Reported
- **Quad:** HATBORO
- **Type Of Site:** WELL
- **Date Create:** Not Reported
- **Date Update:** Not Reported
- **Data Reliability:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **Source Depth Data:** USGS OR PAGS
- **Municipality:** WARMINSTER TWP.
- **Latitude:** 40.20063
- **Longitude:** -75.08417
- **Depth to Bed:** 0
- **Date Dripped:** Not Reported
- **PAGWis ID:** 42491

**WELLTYPEOFSITE:** Single well, other than collector or Ranney type

**aquifer:** STOCKTON FORMATION

**Well depth:** Not Reported

**Source of depth data:** reporting agency (generally USGS)

**Real time data flag:** Not Reported

**Daily flow data begin date:** Not Reported

**Daily flow data end date:** Not Reported

**Peak flow data begin date:** Not Reported

**Peak flow data end date:** Not Reported

**Peak flow data count:** Not Reported

**Water quality data begin date:** Not Reported

**Water quality data end date:** Not Reported

**Ground water data begin date:** Not Reported

**Ground water data end date:** Not Reported

**Project Number:** Not Reported

---

**221 SW**

- **Site ID:** 09-31113
- **Groundwater Flow:** SSW
- **Shallowest Water Table Depth:** 6.30
- **Deepest Water Table Depth:** 7.08
- **Average Water Table Depth:** Not Reported
- **Date:** 09/27/1993

**Aquifer:** Not Reported

---

**PA Wells PA1000000057511**

**Local Well:** BK 2885

**Date:** 09/27/1993

**Average Water Table Depth:** Not Reported

---

**Notes:**

- **Ground-water levels, Number of Measurements:** 1
- **Feet below:** 09-31113
- **Feet to:** 09-31113

---

**Aquifer Flow Data:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997-02-11</td>
<td>10.51</td>
<td></td>
</tr>
</tbody>
</table>

**Ground water data count:**

- 1997-02-11

**Water quality data count:**

- 0

**Peak flow data count:**

- 0

**Daily flow data count:**

- 0

**Real time data flag:** Not Reported
Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 02/06/1997 00:00:00

Construction Information:
Construction Date: 02/06/1997 00:00:00
Driller: -000
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 20
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 20
Hole Diameter: 10

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: OTHER

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/06/1997 00:00:00

Remarks Information:
Remark: GWSI originally listed the driller as RAAB
Remark Date: 12/07/1998 00:00:00

AR223
WSW
1/2 - 1 Mile
Higher
WELLID: 401204075050401
LOCALWELLN: BK 2858
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELLDEPTH: 151
ELEVATION: 333
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDDD: 40.20111
LONGITUDE: -75.08444
DEPHTOBED: 0  
DATEDRILLE: Not Reported  
PAGWIS ID: 42497

Agency Use Section:  
Agency Use of Site: OBSERVATION  
Agency Use Date: 09/10/1996 00:00:00

Construction Information:  
Construction Date: 09/10/1996 00:00:00  
Driller: 1  
Source Cons Data: INTERPRETED FROM LOGS  
Method Cons: AIR ROTARY  
Finish: OPEN HOLE

Casing Information:  
Top Of Casing: 0  
Bottom Of Casing: 20  
Casing: STEEL  
Casing Wall Thickness: Not Reported  
Casing Diameter: 6

Hole Information:  
Top Of Hole: 0  
Bottom Of Hole: 21  
Hole Diameter: 10  
Top Of Hole: 21  
Bottom Of Hole: 153  
Hole Diameter: 6

Geohydrologic Information:  
A A P G: 231SCKN  
Lithology: SANDSTONE  
Contributing Unit: PRIMARY  
Top Of Interval: 0  
Bottom Of Interval: Not Reported

Water Use Information:  
Site Use: TEST  
Water Use: UNUSED

Owner Information:  
Owner: NAVAL AIR WARFARE CENTER  
Date Ownership: 09/10/1996 00:00:00

AR224  
WSW  
1/2 - 1 Mile Higher

FED USGS USGS2165161
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 333
Altitude accuracy: 5
Topographic: Flat surface
Site type: Ground-water other than Spring
Date inventoried: 19960910
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 151
Source of depth data: reporting agency (generally USGS)
Real time data flag: 4
Daily flow data count: 0
Peak flow data count: 0
Water quality data count: 0
Ground water data count: 1
Mean greenwich time offset: EST
Date inventoried: 19960910
Date construction: Ground-water other than Spring
Site type: Flat surface
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 85.0
Source of depth data: Not Reported
Real time data flag: 4
Daily flow data count: 0
Peak flow data count: 0
Water quality data count: 0
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

<table>
<thead>
<tr>
<th>Date</th>
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<th>Feet to Sealevel</th>
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<tbody>
<tr>
<td>1996-09-23</td>
<td>14.73</td>
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AT225
North 1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 1054
Latitude: 401256
Longitude: 0750416
Dec lon: -75.07072608
Coor accru: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 250
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 85.0
Source of depth data: Not Reported
Real time data flag: 4
Daily flow data count: 0
Peak flow data count: 0
Water quality data count: 0
Ground water data count: 1

FED USGS USGS2164623

TC01779758.1r Page A-221
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

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<thead>
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<tbody>
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<td>1978-09-01</td>
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AT226
North
1/2 - 1 Mile
Lower

WELLID: 401256075041601 LOCALWELLN: BK 1054
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 85
ELEVATION: 250
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: NORTHAMPTON TWP.
LATITUDEDD: 40.21556
LONGITUDED: -75.07111
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5094

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 10/23/1973 00:00:00
Driller: 0130
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 85 Hole Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

PA WELLS PA1000000059535

TC01779758.1r Page A-222
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Use Information:
Site Use: WITHDRAWAL
Water Use: Not Reported

Production Information:
Discharge Type: PUMPED
Data Source: D
Discharge Meas Method: V
Discharge: 30 SWL: Not Reported
W L Data Source: Not Reported
W L Meas Method: Not Reported
Prod W L: Not Reported Drawdown: Not Reported
Spec Cap: Not Reported Test Length: Not Reported
Site Status W L Meas: Not Reported
Date Discharged: 10/23/1973 00:00:00

Owner Information:
Owner: RADELBACK, HERBERT
Date Ownership: 10/23/1973 00:00:00

AV227
South
1/2 - 1 Mile
Higher

Agency cd: USGS Site no: 401144075041601
Site name: BK 2659
Latitude: 401144
Longitude: 0750416 Dec lat: 40.19566428
Dec lon: -75.07072636 Coor meth: M
Coor acc: S Latlong datum: NAD27
Dec latlong datum: NAD83 District: 42
State: 42 County: 017
Country: US Land net: Not Reported
Location map: HATBORO Map scale: 24000
Altitude: 350 Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Hilltop
Site type: Ground-water other than Spring Date construction: 19940707
Date inventoried: 19940718 Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 150 Hole depth: Not Reported
Source of depth data: logs Project number: 444223500
Real time data flag: Not Reported Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported Daily flow data count: Not Reported
Peak flow data begin date: Not Reported Peak flow data end date: Not Reported
Peak flow data count: Not Reported Water quality data begin date: Not Reported
Water quality data end date: Not Reported Water quality data count: Not Reported
Ground water data begin date: Not Reported Ground water data end date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0
### AV228
**South**
1/2 - 1 Mile
Higher

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<tbody>
<tr>
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<tr>
<td>Latitude</td>
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<tr>
<td>Dec lon</td>
<td>-75.07072636</td>
</tr>
<tr>
<td>Coor accr</td>
<td>S</td>
</tr>
<tr>
<td>Dec latlng datum</td>
<td>NAD83</td>
</tr>
<tr>
<td>State</td>
<td>42</td>
</tr>
<tr>
<td>Country</td>
<td>US</td>
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<td>Location map</td>
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<td>Altitude accuracy</td>
<td>5</td>
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<tr>
<td>Hydrologic</td>
<td>Lower Delaware, New Jersey, Pennsylvania. Area = 1050 sq.mi.</td>
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<tr>
<td>Topographic</td>
<td>Hilltop</td>
</tr>
<tr>
<td>Site type</td>
<td>Ground-water other than Spring</td>
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</tr>
<tr>
<td>Local standard time flag</td>
<td>Y</td>
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<tr>
<td>Type of ground water site</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer Type</td>
<td>Unconfined single aquifer</td>
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<tr>
<td>Aquifer</td>
<td>STOCKTON FORMATION</td>
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<tr>
<td>Well depth</td>
<td>105</td>
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<td>Hole depth</td>
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<td>Source of depth data</td>
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<td>Daily flow data end date</td>
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<td>Peak flow data begin date</td>
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<td>Peak flow data end date</td>
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<td>Water quality data count</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Ground water data count</td>
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</table>

Ground-water levels, Number of Measurements: 0

### AV229
**South**
1/2 - 1 Mile
Higher

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<tr>
<td>Dec lon</td>
<td>-75.07072636</td>
</tr>
<tr>
<td>Coor accr</td>
<td>S</td>
</tr>
<tr>
<td>Dec latlng datum</td>
<td>NAD83</td>
</tr>
<tr>
<td>State</td>
<td>42</td>
</tr>
<tr>
<td>Country</td>
<td>US</td>
</tr>
<tr>
<td>Location map</td>
<td>HATBORO</td>
</tr>
<tr>
<td>Altitude</td>
<td>350</td>
</tr>
<tr>
<td>Altitude accuracy</td>
<td>5</td>
</tr>
<tr>
<td>Hydrologic</td>
<td>Lower Delaware, New Jersey, Pennsylvania. Area = 1050 sq.mi.</td>
</tr>
<tr>
<td>Topographic</td>
<td>Hilltop</td>
</tr>
<tr>
<td>Site type</td>
<td>Ground-water other than Spring</td>
</tr>
<tr>
<td>Date inventoried</td>
<td>19940718</td>
</tr>
</tbody>
</table>

Date construction: 19940707
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 65
Source of depth data: logs
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

AU230
West
1/2 - 1 Mile
Lower

WELLID: 401224075051001 LOCALWELLN: BK 1131
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELLEDPTH: 23.1
ELEVATION: 290
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCEDEPTHDATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.20667
LONGITUDED: -75.08611
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWISID: 5055

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 1
Source Cons Data: Not Reported
Method Cons: Not Reported
Finish: Not Reported
### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 23.100003814697
- **Hole Diameter:** 0

### Geohydrologic Information:
- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** UNUSED
- **Water Use:** UNUSED

### Production Information:
- **Discharge Type:** Not Reported
- **Data Source:** Not Reported
- **Discharge Meas Method:** Not Reported
- **Discharge:** Not Reported
- **W L Data Source:** S
- **W L Meas Method:** STEEL TAPE
- **Prod W L:** Not Reported
- **Spec Cap:** Not Reported
- **Site Status W L Meas:** STATIC WATER LEVEL
- **Date Discharged:** 03/18/1980 00:00:00
- **SWL:** 3.84999990463257
- **Drawdown:** Not Reported
- **Test Length:** Not Reported

### Site Information:
- **Agency cd:** USGS
- **Site name:** BK 1131
- **Latitude:** 401224
- **Longitude:** 0750510
- **Dec Ion:** -75.08572662
- **Coo accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 290
- **Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Flat surface
- **Site type:** Ground-water other than Spring
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Well depth:** 23.1
- **Source of depth data:** Not Reported
- **Real time data flag:** 0
- **Daily flow data end date:** 0000-00-00
- **Peak flow data begin date:** 0000-00-00

### Date Discharged:
- **03/18/1980 00:00:00**
**AT232**

**North**

1/2 - 1 Mile Lower

---

**WELLID:** 401257075041701  
**LOCALWELLN:** BK 2730  
**COUNTY:** BUCKS  
**AAPG:** 231SCKN  
**TOPOGRAPHY:** HILLSIDE  
**WELDEPTH:** 100  
**ELEVATION:** 243  
**ELEVMETHOD:** Not Reported  
**ACCURACYOF:** 5  
**HYDROLOGIC:** 02040201  
**LATLONGACCURACY:** Not Reported  
**QUAD:** HATBORO  
**TYPEOFSITE:** WELL  
**DATECREATE:** Not Reported  
**DATEUPDATE:** Not Reported  
**DATEREABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  
**SOURCE DEPTH DATA:** DRILLER’S RECORD  
**MUNICIPALITY:** NORTHAMPTON TWP.  
**LATITUDE:** 40.21583  
**LONGITUDE:** -75.07139  
**DEPTHTOBED:** 0  
**DATEDRILLE:** Not Reported  
**PAGWIS ID:** 42522

**Agency Use Section:**  
**Agency Use of Site:** OBSERVATION  
**Agency Use Date:** Not Reported

**Construction Information:**  
**Construction Date:** 12/01/1988 00:00:00  
**Driller:** 0514  
**Source Cons Data:** DRILLER’S RECORD  
**Method Cons:** AIR ROTARY  
**Finish:** OPEN HOLE

**Casing Information:**  
**Top Of Casing:** 0  
**Bottom Of Casing:** 42  
**Casing Wall Thickness:** Not Reported  
**Casing Diameter:** 6  
**Casing:** STEEL
Ground water data count: 1994-09-21
Ground water data end date: 1994-09-21
Ground water data begin date: 1994-09-21
Water quality data count: 0
Water quality data end date: 0000-00-00
Water quality data begin date: 0000-00-00
Peak flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Ground water data begin date: 1994-09-21
Ground water data count: 1

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 0
- Hole Diameter: 6

**Geohydrologic Information:**
- A A P G: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

**Owner Information:**
- Owner: HUNSINGER, JEFF
  - Date Ownership: 12/01/1988 00:00:00
- Owner: JACKSON, MARY ELLEN
  - Date Ownership: 04/04/1994 00:00:00

---

**AT233**
North
1/2 - 1 Mile
Lower

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<tbody>
<tr>
<td>Site name:</td>
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<td>Coor accr:</td>
<td>S</td>
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<tr>
<td>Dec latlong datum:</td>
<td>NAD83</td>
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<tr>
<td>State:</td>
<td>42</td>
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<td>Country:</td>
<td>US</td>
</tr>
<tr>
<td>Location map:</td>
<td>HATBORO</td>
</tr>
<tr>
<td>Altitude:</td>
<td>243</td>
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<tr>
<td>Altitude accuracy:</td>
<td>5</td>
</tr>
<tr>
<td>Topographic:</td>
<td>Hillside (slope)</td>
</tr>
<tr>
<td>Site type:</td>
<td>Ground-water other than Spring</td>
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<td>Date inventoried:</td>
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<td>Type of ground water site:</td>
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<td>Aquifer Type:</td>
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<td>Peak flow data begin date:</td>
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<td>Peak flow data end date:</td>
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**TC01779758.1r Page A-228**
Ground-water levels, Number of Measurements: 1

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AW234  
WSW  
1/2 - 1 Mile  
Higher

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<tr>
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</tr>
<tr>
<td>Coor acr</td>
<td>S</td>
</tr>
<tr>
<td>Dec lat lon datum</td>
<td>NAD83</td>
</tr>
<tr>
<td>State</td>
<td>42</td>
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<tr>
<td>County</td>
<td>US</td>
</tr>
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<td>Location map</td>
<td>HATBORO</td>
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Ground-water levels, Number of Measurements: 1

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AW235  
WSW  
1/2 - 1 Mile  
Higher

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<td>BK 2859</td>
</tr>
<tr>
<td>COUNTY</td>
<td>BUCKS</td>
</tr>
<tr>
<td>AAPG</td>
<td>231SCKN</td>
</tr>
<tr>
<td>TOPOGRAPHY</td>
<td>FLAT SURFACE</td>
</tr>
<tr>
<td>WELDEPTH</td>
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TC01779758.1r Page A-229
LATLONACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATACREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PADAq pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDED: 40.20083
LONGITUDED: -75.08472
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWISID: 42492

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 09/05/1996 00:00:00

Construction Information:
Construction Date: 09/05/1996 00:00:00
Driller: 1
Source Cons Data: INTERPRETED FROM LOGS
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 20.5
Hole Diameter: 10

Top Of Hole: 20.5
Bottom Of Hole: 215
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 09/05/1996 00:00:00
AX237
SW
1/2 - 1 Mile
Higher

WELLID: 401156075050001
LOCALWELLN: BK 2613
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELLDEPTH: 0
ELEVATION: 329
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19889
LONGITUDED: -75.08333

TC01779758.1r Page A-231
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42476

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 06/16/1995 00:00:00

Construction Information:
Construction Date: 03/25/1994 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 19
Hole Diameter: 8
Top Of Hole: 19
Bottom Of Hole: 303
Hole Diameter: 6

Screen Opening Information:
Top Open Interval: 200
Bottom Open Interval: 221
Diameter Open Interval: 2
Open Interval Material: PLASTIC
Opening: PERFORATED, POROUS, OR SLOTTED CASING

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 03/25/1994 00:00:00

Remarks Information:
Remark: MP- 1.40 FT ABOVE LAND SURFACE
Remark Date: 03/25/1994 00:00:00

AX238
SW
1/2 - 1 Mile
Higher

PA WELLS PA1000000057231
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**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: 03/28/1994 00:00:00

**Construction Information:**
- Construction Date: 03/28/1994 00:00:00
- Driller: 0330
- Source Cons Data: Not Reported
- Method Cons: AIR ROTARY
- Finish: SCREEN

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: 14
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 14
- Hole Diameter: 8
- Top Of Hole: 14
- Bottom Of Hole: 100
- Hole Diameter: 6

**Screen Opening Information:**
- Top Open Interval: 76
- Bottom Open Interval: 96
- Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN
## Geohydrologic Information:

- **A A P G:** 231SCKNM
- **Lithology:** SANDSTONE
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** 0
- **Bottom Of Interval:** Not Reported

## Water Use Information:

- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

## Owner Information:

- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 03/28/1994 00:00:00

## Remarks Information:

- **Remark:** LSD - 0.6
- **Remark Date:** 03/31/1994 00:00:00

## Construction Information:

- **Construction Date:** 03/28/1994 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

---

**AX239**  
**SW**  
**1/2 - 1 Mile Higher**

| WELLID: | 401156075050002 |
| COUNTY: | BUCKS |
| Aapg: | 231SCKNM |
| Topography: | VALLEY FLAT |
| Welldepth: | 0 |
| Elevation: | 329 |
| Elevmethod: | Not Reported |
| Accuracyof: | 5 |
| Hydrologic: | 02040201 |
| Latlongaccuracy: | Not Reported |
| Quad: | HATBORO |
| Typesites: | WELL |
| Datecreate: | Not Reported |
| Dateupdate: | Not Reported |
| Datarelability: | FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) |
| Source depth data: | USGS OR PAGS |
| Municipality: | WARMINSTER TWP. |
| Latitudedd: | 40.19889 |
| Longitudedd: | -75.08333 |
| Depthbed: | 0 |
| Datedrille: | Not Reported |
| Pagwis id: | 42477 |

**Agency Use Section:**

- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** 03/28/1994 00:00:00

---
## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 19
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

### Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 17
- Hole Diameter: 8
- Top Of Hole: 19
- Bottom Of Hole: 175
- Hole Diameter: 6

### Screen Opening Information:
- Top Open Interval: 123
- Bottom Open Interval: 143
- Diameter Open Interval: 2
- Open Interval Material: PLASTIC
- Opening: SCREEN

### Geohydrologic Information:
- A P G: 231SCKNM
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: 0
- Bottom Of Interval: Not Reported

### Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

### Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 03/28/1994 00:00:00

### Remarks Information:
- Remark: MP - 0.2
- Remark Date: 03/31/1994 00:00:00

---

### AX240
- **SW**
- 1/2 - 1 Mile
- Higher
- Agency cd: USGS
- Site name: BK 2612
- Latitude: 401156
- Longitude: 0750500
- Dec Ion: -75.08294889
- Coor accr: S
- Dec latlong datum: NAD83
- State: 42
- Country: US
- Location map: HATBORO
- Altitude: 329
- Altitude accuracy: 5
- Topographic: Valley flat
- Site type: Ground-water other than Spring
- Date construction: 19940328
- Date inventoried: 19940328
- Mean greenwich time offset: EST
- Remark Date: 03/31/1994 00:00:00

---

### FED USGS
- USGS2165098

---

TC01779758.1r Page A-235
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

Local standard time flag: Y  
Type of ground water site: Single well, other than collector or Ranney type  
Aquifer Type: Not Reported  
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER  
Well depth: 143  
Hole depth: 175  
Source of depth data: reporting agency (generally USGS)  
Project number: 444223500  
Real time data flag:  
Daily flow data count: 0  
Daily flow data begin date: 0000-00-00  
Daily flow data end date: 0000-00-00  
Peak flow data count: 0  
Peak flow data begin date: 0000-00-00  
Peak flow data end date: 0000-00-00  
Water quality data count: 0  
Water quality data begin date: 0000-00-00  
Water quality data end date: 0000-00-00  
Ground water data begin date: 1994-03-31  
Ground water data end date: 1994-03-31  
Ground water data count: 1

Ground-water levels, Number of Measurements: 1  
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AX241  
SW  
1/2 - 1 Mile  
Higher  
FED USGS USGS2165099

Agency cd: USGS  
Site name: BK 2611  
Latitude: 401156  
Longitude: 0750500  
Dec lon: -75.08294889  
Coor accru: S  
Dec latlong datum: NAD83  
State: 42  
Country: US  
Location map: HATBORO  
Altitude: 329  
Altitude accuracy: 5  
Topographic: Valley flat  
Site type: Ground-water other than Spring  
Date inventoried: 19940328  
Mean greenwich time offset: EST  
Local standard time flag: Y  
Type of ground water site: Single well, other than collector or Ranney type  
Aquifer Type: Not Reported  
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER  
Well depth: 96  
Hole depth: 100  
Source of depth data: reporting agency (generally USGS)  
Project number: 444223500  
Real time data flag:  
Daily flow data count: 0  
Daily flow data begin date: 0000-00-00  
Daily flow data end date: 0000-00-00  
Peak flow data count: 0  
Peak flow data begin date: 0000-00-00  
Peak flow data end date: 0000-00-00  
Water quality data count: 0  
Water quality data begin date: 0000-00-00  
Water quality data end date: 0000-00-00  
Ground water data begin date: 1994-03-31  
Ground water data end date: 1994-03-31  
Ground water data count: 1
Ground-water levels, Number of Measurements: 1

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AX242
SW
1/2 - 1 Mile
Higher

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AW243
WSW
1/2 - 1 Mile
Higher

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATARELABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.20028
LONGITUDE: -75.08472
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42488

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 02/07/1997 00:00:00

Construction Information:
Construction Date: 02/07/1997 00:00:00
Driller: -000
Source Cons Data: INTERPRETED FROM LOGS
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 19.5
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 19.5
Hole Diameter: 10

Top Of Hole: 20
Bottom Of Hole: 125
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: OTHER

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/07/1997 00:00:00

Remarks Information:
Remark: GWSI originally listed the driller as RAAB
Remark Date: 12/07/1998 00:00:00
Ground-water levels, Number of Measurements: 1

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AX245
SW
1/2 - 1 Mile Higher

Agency cd: USGS
Site name: BK 2656
Latitude: 4011158
Longitude: 0750503
Dec lon: -75.08378223
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 350
Altitude accuracy: 5
Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 19940526
Date construction: 19940524
Mean greenwich time offset: EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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AX245
SW
1/2 - 1 Mile Higher

Agency cd: USGS
Site name: BK 2656
Latitude: 4011158
Longitude: 0750503
Dec lon: -75.08378223
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 350
Altitude accuracy: 5
Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 19940526
Date construction: 19940524
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 175
Source of depth data: logs
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Daily flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

AX246
SW
1/2 - 1 Mile Higher

Agency cd: USGS
Site name: BK 2627
Latitude: 401158
Longitude: 0750503
Dec Ion: -75.08378223
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 321
Altitude accuracy: 5
Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 19940523
Date construction: 19940518
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Unconfined single aquifer
Aquifer: STOCKTON FORMATION
Well depth: 144
Source of depth data: logs
Real time data flag: Not Reported
Daily flow data begin date: Not Reported
Daily flow data count: Not Reported
Peak flow data begin date: Not Reported
Peak flow data end date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

AX247
SW
1/2 - 1 Mile Higher
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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<td>Coor accr</td>
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<td>Dec latlong datum</td>
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<tr>
<td>State</td>
<td>42</td>
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<tr>
<td>Country</td>
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<td>Location map</td>
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<tr>
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</tr>
<tr>
<td>Real time data flag</td>
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</tr>
<tr>
<td>Daily flow data end date</td>
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<tr>
<td>Ground water data begin date</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Ground water data count</td>
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</tr>
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</table>

Ground-water levels, Number of Measurements: 0

---

**AW248**

**WSW**

1/2 - 1 Mile

Higher

**WELLID:** 40120007505050501  **LOCALWELLN:** BK 2887  **COUNTY:** BUCKS  **AAPG:** 231SCKN  **TOPOGRAPHY:** FLAT SURFACE  **WELDEPTH:** 0  **ELEVATION:** 327  **ELEVMETHOD:** Not Reported  **ACCURACYOF:** 5  **HYDROLOGIC:** 02040201  **LATLONGACCURACY:** Not Reported  **QUAD:** HATBORO  **TYPESOFSITE:** WELL  **DATECREATE:** Not Reported  **DATEUPDATE:** Not Reported  **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  **SOURCE DEPTH DATA:** USGS OR PAGS  **MUNICIPALITY:** WARMINSTER TWP.  **LATITUDE:** 40.2  **LONGITUDE:** -75.08472
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42485

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: 02/10/1997 00:00:00

Construction Information:
Construction Date: 02/10/1997 00:00:00
Driller: -000
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 20 Casing Diameter: 6
Casing: STEEL

Hole Information:
Top Of Hole: 0 Hole Diameter: 10
Bottom Of Hole: 20
Top Of Hole: 20
Bottom Of Hole: 224 Hole Diameter: 6

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: 0 Bottom Of Interval: Not Reported

Water Use Information:
Site Use: TEST
Water Use: OTHER

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 02/10/1997 00:00:00

Remarks Information:
Remark: GWSI originally listed the driller as RAAB
Remark Date: 12/07/1998 00:00:00
Agency cd: USGS
Site name: BK 2887
Latitude: 401200
Longitude: 0750505
Dec lon: -75.0843378
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 327
Altitude accuracy: 5
Topographic: Flat surface
Site type: Ground-water other than Spring
Date inventoried: 19970210
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer: STOCKTON FORMATION
Well depth: Not Reported
Source of depth data: reporting agency (generally USGS)
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Ground water data begin date: 1997-02-11
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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<th>Sealevel</th>
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AY250
SSE
1/2 - 1 Mile
Higher

Agency cd: USGS
Site name: BK 2658
Latitude: 401144
Longitude: 0750404
Dec lon: -75.06739293
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 350
Topographic: Hilltop
Site type: Ground-water other than Spring
Date inventoried: 19940526
Mean greenwich time offset: EST
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</tr>
<tr>
<td>Type of ground water site</td>
<td>Single well, other than collector or Ranney type</td>
</tr>
<tr>
<td>Aquifer Type</td>
<td>Unconfined single aquifer</td>
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<td>Aquifer</td>
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<tr>
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<td>Water quality data end date</td>
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Ground-water levels, Number of Measurements: 0

**AY251**

**SSE**

**1/2 - 1 Mile**

**Higher**

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<td>State</td>
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<td>Ground-water other than Spring</td>
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<td>Date construction</td>
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<td>Type of ground water site</td>
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<tr>
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<td>Aquifer</td>
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<td>Daily flow data end date</td>
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<td>Water quality data end date</td>
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Ground-water levels, Number of Measurements: 0

**AZ252**

**SE**

**1/2 - 1 Mile**

**Higher**

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<tr>
<th>County</th>
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<td>District</td>
<td>NAD83</td>
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<tr>
<td>Dec lat</td>
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</tr>
<tr>
<td>Dec lon</td>
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</table>

Ground-water levels, Number of Measurements: 0
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

WELLID: 401152075034601 LOCALWELLN: BK 703
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLTOP
WELDEPTH: 0
ELEVATION: 360
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 10
HYDROLOGIC: 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.19778
LONGITUDE: -75.06278
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5017

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 1
Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
Method Cons: CABLE TOOL
Finish: OPEN HOLE

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SHALE
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: U S NADC
Date Ownership: 11/14/1956 00:00:00

Other ID Information:
Other Identifier: 8 Other I D Assignor: OWNER PA
WELLID: 401152075034603
LOCALWELLN: BK 2540
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 70
ELEVATION: 355
ELEVMETHOD: Not Reported
ACCURACYOF: 1
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19778
LONGITUDED: -75.06278
DEPHTOEXP: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42471

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: Not Reported

Construction Information:
Construction Date: 11/24/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 11 Casing Diameter: 8
Casing: STEEL
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 70 Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 12
Bottom Of Hole: 11

Top Of Hole: 12 Hole Diameter: 8
Bottom Of Hole: 103

Screen Opening Information:
Top Open Interval: 60
Bottom Open Interval: 70 Diameter Open Interval: 4
Open Interval Material: PLASTIC
Opening: SCREEN
Geohydrologic Information:
- AAPG: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/24/1993 00:00:00

Remarks Information:
- Remark: LSD -2.3
- Remark Date: 11/24/1993 00:00:00

Other ID Information:
- Other Identifier: HN-4-I
- Other ID Assignor: OWNER PA

AZ254
SE
1/2 - 1 Mile
Higher

WELLID: 401152075034604
LOCALWELLN: BK 2541
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELLDEPTH: 35
ELEVATION: 362
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE: 40.19778
LONGITUDE: -75.06278
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42472

Agency Use Section:
- Agency Use of Site: ANODE
- Agency Use Date: 05/31/1995 00:00:00

Construction Information:
- Construction Date: 12/02/1993 00:00:00
- Driller: 0330
- Source Cons Data: USGS OR PAGS
- Method Cons: AIR ROTARY
- Finish:
### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 11.5
- **Casing:** STEEL
- **Top Of Casing:** 0
- **Bottom Of Casing:** 35
- **Casing:** PVC OR OTHER PLASTIC

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 11.5
- **Hole Diameter:** 12
- **Top Of Hole:** 12
- **Bottom Of Hole:** 36
- **Hole Diameter:** 8

### Screen Opening Information:
- **Top Open Interval:** 26
- **Bottom Open Interval:** 35
- **Diameter Open Interval:** 4
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

### Geohydrologic Information:
- **AAPG:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 12/02/1993 00:00:00

### Remarks Information:
- **Remark:** LSD -3.5
- **Remark Date:** 12/02/1993 00:00:00

---

**AZ255**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

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<th>LOCALWELLN</th>
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<th>AAPG</th>
<th>TOPOGRAPHY</th>
<th>WELDEPTH</th>
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<th>ELEVMETHOD</th>
<th>ACCURACYOF</th>
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<tbody>
<tr>
<td>401152075034602</td>
<td>BK 2539</td>
<td>BUCKS</td>
<td>231SCKNM</td>
<td>VALLEY FLAT</td>
<td>120</td>
<td>362</td>
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<td>0204020201</td>
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LATLON ACCURACY: Not Reported
QUAD: HATBORO
TYPE OF SITE: WELL
DATE CREATE: Not Reported
DATE UPDATE: Not Reported
DATE RELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDE/DEGREE: 40.19778
LONGITUDE/DEGREE: -75.06278
DEPTH TO BED: 0
DATE DRILL: Not Reported
PAGWIS ID: 42470

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: Not Reported

Construction Information:
Construction Date: 11/17/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 12
Casing: STEEL
Casing Wall Thickness: 8
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: 120
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: 4
Casing Diameter: 4

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 12
Hole Diameter: 12

Top Of Hole: 12
Bottom Of Hole: 178
Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 105
Bottom Open Interval: 120
Diameter Open Interval: 4
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
API P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED
Site name: BK 703
Latitude: 401152
Longitude: 0750346
Dec lon: -75.06239276
Dec lat: 40.19788649
Dec lat/long datum: NAD83
State: 42
County: 017
Country: US
Location map: HATBORO
Altitude: 363
Altitude accuracy: 10
Altitude datum: NGVD29
Topographic: Hilltop
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: STOCKTON FORMATION
Well depth: Not Reported
Source of depth data: Not Reported
Real time data flag: Not Reported
Daily flow data end date: Not Reported
Peak flow data begin date: Not Reported
Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported
Ground-water levels, Number of Measurements: 0
### Ground-water levels

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<th>Feet to Sea level</th>
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Note: The site had been pumped recently.
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION, MIDDLE MEMBER
Well depth: 120 Hole depth: 178
Source of depth data: reporting agency (generally USGS) Project number: 444219704
Real time data flag: 0
Daily flow data count: 0 Daily flow data begin date: 0000-00-00
Peak flow data count: 0 Peak flow data begin date: 0000-00-00
Water quality data count: 0 Water quality data begin date: 0000-00-00
Ground water data count: 1
Ground water data begin date: 1996-02-15
Ground water data end date: 1996-02-15

Note: The site had been pumped recently.
BA260
East
1/2 - 1 Mile
Higher

Agency cd: USGS
Site name: BK 1036
Latitude: 401220
Longitude: 0750330
Dec lon: -75.05794809
Coor acc: S
Dec lat lon datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 345
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Date construction: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Well depth: Not Reported
Hole depth: Not Reported
Source of depth data: Not Reported
Real time data flag: Not Reported
Daily flow data: Not Reported
Peak flow data: Not Reported
Water quality data: Not Reported
Ground water data: Not Reported

Ground-water levels, Number of Measurements: 1
Date          Feet below    Feet to    
1996-02-15  13.82

BA261
East
1/2 - 1 Mile
Higher

WELLID: 401220075033001
LOCALWELLN: BK 1036
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDDEPTH: 0
ELEVATION: 345
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCRACYOF: 5
HYDROLOGIC: 02040201

TC01779758.1r Page A-253
<table>
<thead>
<tr>
<th><strong>Field</strong></th>
<th><strong>Value</strong></th>
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**BB262**

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<td>Bucks</td>
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<tr>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTH TO BED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 214797

Construction Information:
- Construction Date: Not Reported
- Driller: Not Reported
- Source Cons Data: WELL OWNER
- Method Cons: Not Reported
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 50
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 10

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: PUBLIC SUPPLY

Owner Information:
- Owner: US NAVAL WARFARE CENTER
- Date Ownership: Not Reported

Remarks Information:
- Remark: Population Served = 200
- Remark Date: Not Reported

Other ID Information:
- Other Identifier: 1090116
- Other ID Assignor: PA DEP PWSID

---

BB263
SSW
1/2 - 1 Mile Higher

WELLID: 401146075041101 LOCALWELLN: BK 962
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 400
ELEVATION: 350
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPESITES: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
SA SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19556 LONGITUDEED: -75.07944
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 7158

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 04/27/1976 00:00:00
Driller: 0413
Source Cons Data: DRILLER’S RECORD
Method Cons: OTHER/UNKNOWN
Finish: OPEN HOLE

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 62
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Top Of Casing: 0
Bottom Of Casing: Not Reported
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: 50
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 10

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 400
Hole Diameter: 8

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: PUBLIC SUPPLY

Owner Information:
Owner: U S NADC
Date Ownership: 09/28/1977 00:00:00

Other ID Information:
Other Identifier: 208
Other I D Assignor: ROY WESTON
Other Identifier: 10
Other I D Assignor: OWNER PA
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

WELLID: 401221075032901  LOCALWELLN:  BK 1037
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELLEDPTH: 0
ELEVATION: 345
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATACREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDED: 40.20583
LONGITUDED: -75.05806
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5049

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Casing Information:
Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 62  Casing Diameter: 6
Casing: STEEL

Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: Not Reported  Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0  Casing Wall Thickness: Not Reported
Bottom Of Casing: 50  Casing Diameter: 10
Casing: STEEL

Hole Information:
Top Of Hole: 0  Hole Diameter: 8
Bottom Of Hole: 400

Geohydrologic Information:
AAPG: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: MCKELVIE, W
Date Ownership: 12/31/1978 00:00:00
### BA265

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<td>1/2 - 1 Mile</td>
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<tr>
<td>Higher</td>
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- **Agency cd:** USGS
- **Site name:** BK 1037
- **Latitude:** 40.1221
- **Longitude:** 0750329
- **Dec lat:** -75.0576703
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 345
- **Altitude accuracy:** 5
- **Hydrologic:** Crosswicks
- **Topographic:** Hillside (slope)
- **Site type:** Ground-water other than Spring
- **Date inventoried:** Not Reported
- **Date construction:** Not Reported
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** STOCKTON FORMATION
- **Well depth:** Not Reported
- **Source of depth data:** Not Reported
- **Real time data flag:** Not Reported
- **Daily flow data start date:** Not Reported
- **Peak flow data start date:** Not Reported
- **Peak flow data count:** Not Reported
- **Water quality data count:** Not Reported
- **Ground water data count:** Not Reported

Ground-water levels, Number of Measurements: 0

### BC266

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<tr>
<td>Lower</td>
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- **WELLID:** 401302075043301
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** HILLSIDE
- **WELLDEPTH:** 0
- **ELEVATION:** 240
- **ELEVMETHOD:** Not Reported
- **ACCURACYOF:** 5
- **HYDROLOGIC:** 02040201
- **LATLONGACCURACY:** Not Reported
- **QUAD:** HATBORO
- **TYPEOFSITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** Not Reported
- **MUNICIPALITY:** WARWICK TWP.
- **LATITUDEDD:** 40.21722
- **LONGITUDEDD:** -75.07583
DEPHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42523

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 62 Casing Diameter: 6
Casing: STEEL

Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: Not Reported Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 50 Casing Diameter: 10
Casing: STEEL

Hole Information:
Top Of Hole: 0 Hole Diameter: 8
Bottom Of Hole: 400

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SANDSTONE
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Owner Information:
Owner: MOLENAAR, JERRY
Date Ownership: 01/01/1986 00:00:00

BC267
NNW 1/2 - 1 Mile
Agency cd: USGS Site no: 401302075043301
Site name: BK 2724 Dec lat: 40.21733053
Latitude: 401302 Dec lon: -75.07544841
Longitude: 0750433 Coor meth: M
Dec latlong datum: NAD83 State: 42
NAD27 District: 42
Coor acc: S Land net: Not Reported
State: 42 County: 017
City: US Map scale: 24000
Country: US Altitude: 240
Altitude method: M
Altitude accuracy: 5 Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring Date construction: Not Reported
Date inventoried: Not Reported Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: Not Reported
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1978-08-30
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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BD268
WNW
1/2 - 1 Mile
Lower

Agency cd: USGS
Site name: BK 1048
Latitude: 401231
Longitude: 0750516
Dec Ion: -75.08739331
Coor acc: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 290
Altitude accuracy: 5
Topographic: Hillside (slope)
Site type: Ground-water other than Spring
Date inventoried: Not Reported
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: Not Reported
Source of depth data: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1978-08-30
Ground water data count: 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
### Ground-water levels, Number of Measurements: 1

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<th>Feet to Sealevel</th>
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<td>3.96</td>
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**BD269**  
**WNN**  
1/2 - 1 Mile  
Lower

- **WELLID:** 401231075051601  
- **LOCALWELLN:** BK 1048  
- **COUNTY:** BUCKS  
- **AAPG:** 231SCKN  
- **TOPOGRAPHY:** HILLSIDE  
- **WELLDPTH:** 0  
- **ELEVATION:** 290  
- **ELEVMETHOD:** INTERPOLATED FROM TOPOGRAPHIC MAP  
- **ACCURACYOF:** 5  
- **HYDROLOGIC:** 02040201  
- **LATLONGACCURACY:** ACCURATE TO +1 SECOND  
- **QUAD:** HATBORO  
- **TYPEOFSITE:** WELL  
- **DATECREATE:** Not Reported  
- **DATEUPDATE:** Not Reported  
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)  
- **SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED  
- **MUNICIPALITY:** WARMINSTER TWP.  
- **LATITUDEEDD:** 40.20861  
- **LONGITUDEED:** -75.08778  
- **DEPTHTOBED:** 0  
- **DATEDRILLE:** Not Reported  
- **PAGWIS ID:** 5064

#### Agency Use Section:
- **Agency Use of Site:** OBSERVATION  
- **Agency Use Date:** Not Reported

#### Construction Information:
- **Construction Date:** Not Reported  
- **Driller:** 1  
- **Source Cons Data:** OTHER/UNKNOWN/UNSPECIFIED  
- **Method Cons:** DUG  
- **Finish:** UNKNOWN

#### Geohydrologic Information:
- **AAPG:** 231SCKN  
- **Lithology:** UNKNOWN  
- **Contributing Unit:** PRIMARY  
- **Top Of Interval:** Not Reported  
- **Bottom Of Interval:** Not Reported

#### Water Use Information:
- **Site Use:** UNUSED  
- **Water Use:** UNUSED
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

### Production Information:
- **Discharge Type:** Not Reported
- **Data Source:** Not Reported
- **Discharge Meas Method:** Not Reported
- **Discharge:** Not Reported
- **W L Data Source:** S
- **W L Meas Method:** STEEL TAPE
- **Prod W L:** Not Reported
- **Spec Cap:** Not Reported
- **Site Status W L Meas:** STATIC WATER LEVEL
- **Date Discharged:** 08/30/1978 00:00:00

### Owner Information:
- **Owner:** SCARPILL, JOHN
- **Date Ownership:** 01/01/1959 00:00:00

### 270 SW 1/2 - 1 Mile Higher
- **Site ID:** 09-42858
- **Groundwater Flow:** S
- **Shallowest Water Table Depth:** 6.95
- **Deepest Water Table Depth:** 18.83
- **Average Water Table Depth:** Not Reported
- **Date:** 11/22/1996

### 270 SW 1/2 - 1 Mile Higher
- **Site ID:** 09-42858
- **Groundwater Flow:** S
- **Shallowest Water Table Depth:** 6.95
- **Deepest Water Table Depth:** 18.83
- **Average Water Table Depth:** Not Reported
- **Date:** 11/22/1996

### BD271 WNW 1/2 - 1 Mile Lower
- **Agency cd:** USGS
- **Site no:** 401232075051601
- **Site name:** BK 1047
- **Latitude:** 401232
- **Longitude:** 0750516
- **Dec lon:** 75.0873933
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 290
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Hillside (slope)
- **Site type:** Ground-water other than Spring
- **Date inventoried:** Not Reported
- **Date construction:** 19590101
- **Mean greenwich time offset:** EST
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Aquifer:** STOCKTON FORMATION
- **Well depth:** Not Reported
- **Hole depth:** Not Reported
- **Source of depth data:** Not Reported
- **Real time data flag:** Not Reported
- **Daily flow data end date:** Not Reported
- **Peak flow data begin date:** Not Reported
- **Peak flow data begin date:** Not Reported
- **Peak flow data count:** Not Reported
- **Water quality data end date:** Not Reported
- **Ground water data begin date:** Not Reported
- **Ground water data end date:** Not Reported
- **Ground water data count:** Not Reported

Ground-water levels, Number of Measurements: 0
### Map ID
- **Direction**: WNW
- **Distance**: 1/2 - 1 Mile
- **Elevation**: Lower

### بغداد
- **Well ID**: 401232075051601
- **Local Well ID**: BK 1047
- **County**: BUCKS
- **AAPG**: 231SCKN
- **Topography**: HILLSIDE
- **Well Depth**: 0
- **Elevation**: 290
- **Elevation Method**: INTERPOLATED FROM TOPOGRAPHIC MAP
- **Accuracy of Method**: 5
- **Hydrologic**: HATBoro
- **LatLong Accuracy**: ACCURATE TO +1 SECOND
- **Quadrangle**: HATBoro
- **Type of Site**: WELL
- **Date of Creation**: Not Reported
- **Date of Update**: Not Reported
- **Date of Reliability**: FIELD CHECKED BY REPORTING AGENCY (PaDAg Pest. Survey)
- **Source of Depth Data**: OTHER/UNKNOWN/UNSPECIFIED
- **Municipality**: WARMINSTER TWP.
- **Latitude**: 40.20889
- **Longitude**: -75.08778
- **Depth to Bed**: 0
- **Date of Drilling**: Not Reported
- **PAGWIS ID**: 5067

### Agency Use Section
- **Agency Use of Site**: OBSERVATION
- **Agency Use Date**: Not Reported

### Construction Information
- **Construction Date**: 01/01/1959 00:00:00
- **Driller**: 1
- **Source Cons. Date**: OTHER/UNKNOWN/UNSPECIFIED
- **Method Cons.**: OTHER/UNKNOWN
- **Finish**: UNKNOWN

### Geohydrologic Information
- **AAPG**: 231SCKN
- **Lithology**: UNKNOWN
- **Contributing Unit**: PRIMARY
- **Top of Interval**: Not Reported
- **Bottom of Interval**: Not Reported

### Water Use Information
- **Site Use**: WITHDRAWAL
- **Water Use**: DOMESTIC

### Owner Information
- **Owner**: SCARPILL, JOHN
- **Date of Ownership**: 01/01/1959 00:00:00

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### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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STOCKTON FORMATION

Aquifer Type:
Unconfined single aquifer

Type of ground water site:
Single well, other than collector or Ranney type

Hydrologic:
Lower Delaware, New Jersey, Pennsylvania. Area = 1050 sq.mi.

Topographic:
Hillside (slope)

Date inventoried:
19940527

Mean greenwich time offset:
EST

Local standard time flag:
Y

Type of ground water site:
Single well, other than collector or Ranney type

Aquifer Type:
Unconfined single aquifer

Aquifer:
STOCKTON FORMATION

Well depth:
154

Hole depth:
161

Ground-water levels, Number of Measurements: 0

BE274
SE
1/2 - 1 Mile
Higher

Agency cd:
USGS

Site name:
BK 2624

Latitude:
401146

Longitude:
0750347

Dec lon:
-75.06267057

Dec latlong datum:
NAD83

State:
42

Country:
US

Location map:
HATBORO

Altitude:
352

Altitude accuracy:
5

Hydrologic:
Lower Delaware, New Jersey, Pennsylvania. Area = 1050 sq.mi.

Topographic:
Hillside (slope)

Site type:
Ground-water other than Spring

Date inventoried:
19940527

Mean greenwich time offset:
EST

Local standard time flag:
Y

Type of ground water site:
Single well, other than collector or Ranney type

Aquifer Type:
Unconfined single aquifer

Aquifer:
STOCKTON FORMATION

Well depth:
131.5

Hole depth:
Not Reported

Ground-water levels, Number of Measurements: 0
Ground-water levels, Number of Measurements: 0

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Ground-water levels, Number of Measurements: 0
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 345  Altitude method: M
Altitude accuracy: 5  Altitude datum: NGVD29
Topographic: Hillside (slope)
Site type: Ground-water other than Spring  Date construction: 19630101
Date inventoried: Not Reported  Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 115  Hole depth: Not Reported
Source of depth data: Not Reported  Project number: 444209300
Real time data flag: 0  Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00  Daily flow data count: 0
Peak flow data begin date: 0000-00-00  Peak flow data end date: 0000-00-00
Peak flow data count: 0  Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00  Water quality data count: 0
Ground water data begin date: 1978-09-11  Ground water data end date: 1978-09-11
Ground water data count: 1

Ground-water levels, Number of Measurements: 1
Feet below Surface Feet to Sealevel

1978-09-11 21.30

BF277  PA WELLS  PA1000000056423
South  PA WELLS  PA1000000056423
1/2 - 1 Mile  PA WELLS  PA1000000056423
Higher  PA WELLS  PA1000000056423

WELLID: 401137075041501  LOCALWELLN: BK 1060
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 115
ELEVATION: 345
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19361
LONGITUDE: -75.07083
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5006

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported
Construction Information:
- Construction Date: 01/01/1963 00:00:00
- Driller: 0521
- Source Cons Data: WELL OWNER
- Method Cons: OTHER/UNKNOWN
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 60
- Casing: STEEL

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 115
- Hole Diameter: 6

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

Owner Information:
- Owner: PASSMORE, BARRY
- Date Ownership: 01/01/1972 00:00:00

BG278
FED USGS
USGS2165103

ESE
1/2 - 1 Mile
Higher

Agency cd: USGS
Site name: BK 2531
Latitude: 401157
Longitude: 0750334
Dec Ion: -75.05905931
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 365
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date construction: 19931111
Date inventoried: Not Reported
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 90
Hole depth: 103
Source of depth data: reporting agency (generally USGS)
Project number: 444219704
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.

---

**BG279**  
**ESE 1/2 - 1 Mile Higher**

**Agency cd:** USGS  
**Site name:** BK 2532  
**Latitude:** 401157  
**Longitude:** 0750334  
**Dec latlong datum:** NAD83  
**Altitude:** 365  
**Hydrologic:** Crosswicks Neshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.  
**Topographic:** Valley flat  
**Site type:** Ground-water other than Spring  
**Date inventoried:** 19950118  
**Local standard time flag:** Y  
**Type of ground water site:** Single well, other than collector or Ranney type  
**Aquifer Type:** STOCKTON FORMATION, MIDDLE MEMBER  
**Well depth:** Not Reported  
**Hole depth:** Not Reported  
**Source of depth data:** Not Reported  
**Project number:** 444219704  
**Real time data flag:** Not Reported  
**Daily flow data begin date:** Not Reported  
**Daily flow data count:** Not Reported  
**Peak flow data begin date:** Not Reported  
**Peak flow data count:** Not Reported  
**Water quality data begin date:** Not Reported  
**Water quality data count:** Not Reported  

Ground-water levels, Number of Measurements: 0

---

**BG280**  
**ESE 1/2 - 1 Mile Higher**
Note: The site had been pumped recently.
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42479

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: Not Reported

Construction Information:
Construction Date: 11/09/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 11.5
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: 127
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 4

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 11.5
Hole Diameter: 12

Top Of Hole: 11.5
Bottom Of Hole: 153
Hole Diameter: 8

Screen Opening Information:
Top Open Interval: 112
Bottom Open Interval: 127
Diameter Open Interval: 4
Open Interval Material: PLASTIC
Opening: SCREEN

Geohydrologic Information:
A A P G: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 11/09/1993 00:00:00

Remarks Information:
Remark: LSD 1.8
Remark Date: 11/09/1993 00:00:00
WELLS: 401157075033403 LOCALWELLN: BK 2532
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 0
ELEVATION: 365
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: Not Reported
MUNICIPALITY: WARMINSTER TWP.
LATITUDE DD: 40.19917
LONGITUDE DD: -75.05944
DEPTHTOBED: 0
DATEDRILL: Not Reported
PAGWIS ID: 42481

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 01/18/1995 00:00:00

Casing Information:
Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 11.5 Casing Diameter: 8
Casing: STEEL

Top Of Casing: 0 Casing Wall Thickness: Not Reported
Bottom Of Casing: 127 Casing Diameter: 4
Casing: PVC OR OTHER PLASTIC

Hole Information:
Top Of Hole: 0 Hole Diameter: 12
Bottom Of Hole: 11.5

Top Of Hole: 11.5 Hole Diameter: 8
Bottom Of Hole: 153

Screen Opening Information:
Top Open Interval: 112 Diameter Open Interval: 4
Bottom Open Interval: 127 Open Interval Material: PLASTIC
Opening: SCREEN
Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: Not Reported

Construction Information:
- Construction Date: 11/11/1993 00:00:00
- Driller: 0330
- Source Cons Data: PRIVATE/UNIV GEOLOGIST (CONSULTANT)
- Method Cons: AIR ROTARY
- Finish: SCREEN

Casing Information:
- Top Of Casing: 0
- Casing Wall Thickness: Not Reported
- Bottom Of Casing: 12
- Casing Diameter: 8
- Casing: STEEL
### Site Information

- **Top Of Casing:** 0
- **Bottom Of Casing:** 90
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 4
- **Casing:** PVC OR OTHER PLASTIC

#### Hole Information

- **Top Of Hole:** 0
- **Bottom Of Hole:** 12
- **Hole Diameter:** 12
- **Top Of Hole:** 12
- **Bottom Of Hole:** 103
- **Hole Diameter:** 8

#### Screen Opening Information

- **Top Open Interval:** 70
- **Bottom Open Interval:** 90
- **Diameter Open Interval:** 4
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

#### Geohydrologic Information

- **AAPG:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

#### Water Use Information

- **Site Use:** OBSERVATION
- **Water Use:** UNUSED

#### Owner Information

- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/11/1993 00:00:00

#### Remarks Information

- **Remark:** LSD -2.1
- **Remark Date:** 11/12/1993 00:00:00

---

### Geographic Information

- **Agency cd:** USGS
- **Site name:** BK 2723
- **Latitude:** 401303
- **Longitude:** 0750432
- **Dec Ion:** -75.07517062
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 241
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Flat surface
- **Site type:** Ground-water other than Spring
- **Date inventoried:** Not Reported
- **Mean greenwich time offset:** EST
- **Date construction:** 19910818
- **Altitude accuracy:** 24000
- **Altitude method:** M
- **Land net:** Not Reported
- **District:** 42
- **County:** 017
- **Map scale:** 24000
- **Latlong datum:** NAD27
- **Dec lat:** 40.2176083
- **Coor meth:** M
- **Not Reported**
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION
Well depth: 220
Source of depth data: driller
Real time data flag: 0
Daily flow data end date: 0000-00-00
Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1994-09-16
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

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BC285
North
1/2 - 1 Mile
Lower

WELLID: 401303075043201
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: FLAT SURFACE
WELDDPTH: 220
ELEVATION: 241
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBoro
TYPEOFSITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: DRILLER’S RECORD
MUNICIPALITY: WARWICK TWP.
LATITUDEDD: 40.2175
LONGITUDEDD: -75.07556
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42524

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 08/18/1991 00:00:00
Driller: 0130
Source Cons Data: DRILLER’S RECORD
Method Cons: AIR ROTARY
Finish: OPEN HOLE
Ground water data begin date: 1978-09-11

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 40
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: IRRIGATION

Owner Information:
- Owner: MOLENAAR, JERRY
- Date Ownership: 08/18/1991 00:00:00

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 40
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 6

Geohydrologic Information:
- A A P G: 231SCKN
- Lithology: SANDSTONE
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: IRRIGATION

Owner Information:
- Owner: MOLENAAR, JERRY
- Date Ownership: 08/18/1991 00:00:00
**Ground-water levels, Number of Measurements: 1**

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**BF287**
South
1/2 - 1 Mile
Higher

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**Agency Use Section:**

| Agency Use of Site: | 1 |
| Agency Use Date:    | Not Reported |

**Casing Information:**

| Top Of Casing: | 0 | Casing Wall Thickness: | Not Reported |
| Bottom Of Casing: | 40 | Casing Diameter: | 6 |
| Casing:         | STEEL |

**Geohydrologic Information:**

| A A P G: | 231SCKN |
| Lithology: | UNKNOWN |
| Contributing Unit: | PRIMARY |
| Top Of Interval: | Not Reported |
| Bottom Of Interval: | Not Reported |

**Water Use Information:**

| Site Use: | UNUSED |
| Water Use: | UNUSED |

**Owner Information:**

<p>| Owner: | PASSMORE , BARRY |
| Date Ownership: | 01/01/1972 00:00:00 |</p>
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<td><strong>Bottom Of Hole:</strong></td>
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<tr>
<td><strong>Hole Diameter:</strong></td>
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### Geohydrologic Information:
- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information:
- **Site Use:** UNUSED
- **Water Use:** UNUSED

### Production Information:
- **Discharge Type:** PUMPED
- **Data Source:** Not Reported
- **Discharge Meas Method:** Not Reported
- **W L Data Source:** Not Reported
- **W L Meas Method:** Not Reported
- **Prod W L:** 153
- **Spec Cap:** 2.2000004768372
- **SWL:** 6
- **Drawdown:** 147
- **Test Length:** Not Reported
- **Date Discharged:** 01/01/1968 00:00:00

### Owner Information:
- **Owner:** GOLF FARM
- **Date Ownership:** 01/01/1966 00:00:00
- **Owner:** HIGHPOINT INC
- **Date Ownership:** 02/24/1986 00:00:00

### Other ID Information:
- **Other Identifier:** 2
- **Other I D Assignor:** OWNER PA
- **Other Identifier:** D-68-113
- **Other I D Assignor:** DRBC

---

### BH289

#### Lower
- **Agency cd:** USGS
- **Site name:** BK 1073
- **Latitude:** 401244
- **Dec lon:** -75.05878136
- **Dec lat:** 40.21233069
- **State:** 42
- **Dec latlong datum:** NAD83
- **County:** Not Reported
- **Location map:** HATBORO
- **Map scale:** 24000
- **Altitude:** 299
- **Altitude method:** M
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Topographic:** Hillside (slope)
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Aquifer:** STOCKTON FORMATION
- **Well depth:** 400
- **Hole depth:** Not Reported
- **Source of depth data:** Not Reported
- **Project number:** 444209300
- **Real time data flag:** 0
- **Daily flow data begin date:** 0000-00-00
- **Daily flow data count:** 0
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data end date:** 0000-00-00
Ground-water levels, Number of Measurements: 1

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<td>1978-10-10</td>
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**BI290**

**ENE**

1/2 - 1 Mile Lower

- **Agency cd:** USGS
- **Site name:** BK 1072
- **Latitude:** 401240
- **Longitude:** 0750330
- **Dec lon:** 75.05794802
- **Coor accr:** 40.2112196
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 300
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.mi.
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Well depth:** 458
- **Source of depth data:** Not Reported
- **Real time data flag:** Not Reported
- **Daily flow data end date:** 0000-00-00
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data count:** 0
- **Water quality data begin date:** 0000-00-00
- **Ground water data begin date:** 1966-01-01

**FED USGS USGS2164711**

- **Site no:** 401240075033001
- **Date construction:** 19660101
- **Mean greenwich time offset:** EST

**BI291**

**ENE**

1/2 - 1 Mile Lower

- **Agency cd:** PA WELLS
- **Site name:** PA1000000058935
- **Latitude:** Not Reported
- **Longitude:** Not Reported
- **Dec lon:** Not Reported
- **Dec latlong datum:** Not Reported
- **State:** Not Reported
- **Country:** Not Reported

Ground-water levels, Number of Measurements: 1

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<tr>
<td>COUNTY</td>
<td>BUCKS</td>
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<tr>
<td>AAPG</td>
<td>231SCKN</td>
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<td>TOPOGRAPHY</td>
<td>HILLSIDE</td>
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<tr>
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**Agency Use Section:**
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported

**Construction Information:**
- Construction Date: 01/01/1966 00:00:00
- Driller: 0413
- Source Cons Data: OTHER/UNKNOWN/UNSPECIFIED
- Method Cons: OTHER/UNKNOWN
- Finish: UNKNOWN

**Casing Information:**
- Top Of Casing: 0
- Bottom Of Casing: Not Reported
- Casing: UNKNOWN

**Hole Information:**
- Top Of Hole: 0
- Bottom Of Hole: 458
- Hole Diameter: 8

**Geohydrologic Information:**
- A A P G: 231SCKN
- Lithology: UNKNOWN
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

**Water Use Information:**
- Site Use: WITHDRAWAL
- Water Use: COMMERCIAL
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**Production Information:**
- Discharge Type: PUMPED
- Data Source: O
- Discharge Meas Method: Not Reported
- Discharge: 210 SWL: Not Reported
- W L Data Source: Not Reported
- W L Meas Method: Not Reported
- Prod W L: Not Reported Drawdown: Not Reported
- Spec Cap: Not Reported Test Length: Not Reported
- Site Status W L Meas: Not Reported
- Date Discharged: Not Reported

**Owner Information:**
- Owner: GOLF FARM
  - Date Ownership: 01/01/1968 00:00:00
- Owner: HIGHPOINT INC
  - Date Ownership: 02/24/1986 00:00:00

**Other ID Information:**
- Other Identifier: 1 Other I D Assignor: OWNER PA
- Other Identifier: D-86-113 Other I D Assignor: DRBC

---

**292  
SE  
1/2 - 1 Mile  
Higher**

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<td>Aquifer:</td>
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Ground-water levels, Number of Measurements: 0
Westford, Mass., - 1/2 Mile West of Route 20

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

**Map ID**
- **Direction:** South
- **Distance:** 1/2 - 1 Mile
- **Elevation:** Higher

**Database**
- **EDR ID Number:** USGS2165423

**Agency cd:** USGS
**Site name:** BK 1043
**Latitude:** 401133
**Longitude:** 0750416
**Dec lon:** -75.0707264
**Dec lat:** Not Reported
**Coor accr:** S
**Latlong datum:** NAD27
**State:** 42
**County:** 017
**Country:** US
**Location map:** HATBORO
**Altitude:** 345
**Altitude accuracy:** 5
**Hydrologic:** Lower Delaware, New Jersey, Pennsylvania. Area = 1050 sq.mi.
**Topographic:** Hillside (slope)
**Site type:** Ground-water other than Spring
**Date inventoried:** Not Reported
**Mean greenwich time offset:** EST
**Local standard time flag:** Y
**Type of ground water site:** Single well, other than collector or Ranney type
**Aquifer Type:** Not Reported
**Aquifer:** STOCKTON FORMATION
**Well depth:** 44.0
**Hole depth:** Not Reported
**Source of depth data:** Not Reported
**Real time data flag:** 0
**Real time data count:** 0
**Daily flow data end date:** 0000-00-00
**Peak flow data begin date:** 0000-00-00
**Peak flow data count:** 0
**Water quality data begin date:** 0000-00-00
**Water quality data count:** 0
**Ground water data begin date:** 1978-08-29
**Ground water data count:** 1

Ground-water levels, Number of Measurements: 1

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**Real time data**

**Project number:** 444209300
**Daily flow data begin date:** 0000-00-00
**Daily flow data count:** 0

**Peak flow data**

**Peak flow data begin date:** 0000-00-00
**Peak flow data end date:** 0000-00-00
**Peak flow data count:** 0

**Water quality data**

**Water quality data begin date:** 0000-00-00
**Water quality data count:** 0

**Ground water data**

**Ground water data begin date:** 1978-08-29
**Ground water data end date:** 1978-08-29

**Bucks County**
- **County:** 231SCKN
- **Type of ground water site:** Not Reported
- **Aquifer:** Not Reported
- **Well depth:** 44.0
- **Hole depth:** Not Reported
- **Source of depth data:** Not Reported
- **Daily flow data end date:** 0000-00-00
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data count:** 0
- **Ground water data begin date:** 1978-08-29
- **Ground water data count:** 1

**Project number:** Not Reported
**Real time data flag:** Not Reported
**Daily flow data begin date:** 0000-00-00
**Daily flow data count:** 0

**Peak flow data**

**Peak flow data begin date:** 0000-00-00
**Peak flow data end date:** 0000-00-00
**Peak flow data count:** 0

**Water quality data**

**Water quality data begin date:** 0000-00-00
**Water quality data count:** 0

**Ground water data**

**Ground water data begin date:** 1978-08-29
**Ground water data end date:** 1978-08-29

**PA WELLS**
- **PA WELLS:** PA1000000056313

**Wellid:** 401133075041601
**Localwelln:** BK 1043

**County:** BUCKS
**Aapg:** 231SCKN
**Topography:** HILLSIDE
**Welldepth:** 44
**Elevation:** 345
**Elevationmethod:** INTERPOLATED FROM TOPOGRAPHIC MAP
**Accuracyof:** 5
**Hydrologic:** 02040202
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDED: 40.1925
LONGITUDE: -75.07111
DEPTH TO BED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5000

Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: Not Reported
Driller: 0369
Source Cons Data: WELL OWNER
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 12
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 6

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 44
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: SANDSTONE AND SHALE
Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: Not Reported
Data Source: Not Reported
Discharge Meas Method: Not Reported
Discharge: Not Reported SWL: 11.1000003814697
WL Data Source: S
WL Meas Method: STEEL TAPE
Prod WL: Not Reported Drawdown: Not Reported
Spec Cap: Not Reported Test Length: Not Reported
Site Status WL Meas: STATIC WATER LEVEL
Date Discharged: 08/29/1978 00:00:00
### Owner Information:

- **Owner:** KING, JOHN
- **Date Ownership:** 01/01/1978 00:00:00

### BK295 NW

#### 1/2 - 1 Mile

**Lower**

- **Agency cd:** USGS
- **Site name:** BK 1006
- **Latitude:** 401259
- **Longitude:** 0750459
- **Dec Ion:** -75.08267084
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 250
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.m.
- **Topographic:** Hillside (slope)
- **Site type:** Ground-water other than Spring
- **Date inventoried:** Not Reported
- **Date construction:** 1973-10-20
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Well depth:** 155
- **Source of depth data:** Not Reported
- **Real time data flag:** 0
- **Daily flow data end date:** 0000-00-00
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data count:** 0
- **Water quality data end date:** 0000-00-00
- **Ground water data begin date:** 1973-10-20
- **Ground water data count:** 1

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### BK296 NW

#### 1/2 - 1 Mile

**Lower**

- **WELLID:** Not Reported
- **LOCALWELLN:** 5334N
- **COUNTY:** BUCKS
- **AAPG:** 231SCKN
- **TOPOGRAPHY:** HILLSIDE
- **WELLDEPTH:** 155
- **ELEVATION:** 0
- **ELEVMETHOD:** Not Reported
- **ACCURACYOF:** Not Reported
- **HYDROLOGIC:** 02040201

**Owner Information:**

- **Owner:** KING, JOHN
- **Date Ownership:** 01/01/1978 00:00:00

**Location:**

- **Agency cd:** USGS
- **Site name:** BK 1006
- **Latitude:** 401259
- **Longitude:** 0750459
- **Dec Ion:** -75.08267084
- **Coor accr:** S
- **Dec latlong datum:** NAD83
- **State:** 42
- **Country:** US
- **Location map:** HATBORO
- **Altitude:** 250
- **Altitude accuracy:** 5
- **Hydrologic:** CrosswicksNeshaminy. New Jersey, Pennsylvania. Area = 521 sq.m.
- **Topographic:** Hillside (slope)
- **Site type:** Ground-water other than Spring
- **Date inventoried:** Not Reported
- **Date construction:** 1973-10-20
- **Local standard time flag:** Y
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Well depth:** 155
- **Source of depth data:** Not Reported
- **Real time data flag:** 0
- **Daily flow data end date:** 0000-00-00
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data count:** 0
- **Water quality data end date:** 0000-00-00
- **Ground water data begin date:** 1973-10-20
- **Ground water data count:** 1

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**Location Map:**

- **Location map:** HATBORO
- **Map scale:** 24000
- **Altitude accuracy:** 5
- **Altitude method:** M
- **Altitude datum:** NGVD29
- **Mean greenwich time offset:** EST
- **Date inventoried:** 1973-10-20
- **Date construction:** 1973-10-20
- **Real time data flag:** 4
- **Location:** Hillside (slope)
- **Type of ground water site:** Single well, other than collector or Ranney type
- **Aquifer Type:** Not Reported
- **Well depth:** 155
- **Source of depth data:** Not Reported
- **Real time data flag:** 0
- **Daily flow data end date:** 0000-00-00
- **Peak flow data begin date:** 0000-00-00
- **Peak flow data count:** 0
- **Water quality data end date:** 0000-00-00
- **Ground water data begin date:** 1973-10-20
- **Ground water data count:** 1

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<th>Date</th>
<th>Feet below</th>
<th>Feet to Sealevel</th>
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</thead>
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<td>1973-10-20</td>
<td>30.00</td>
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LATLONGACCURACY: ACCURATE TO +1 MINUTE
QUAD: HATBORO
TYPESITE: WELL
DATECREATE: Not Reported
DATEUPDATE: Not Reported
DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
SOURCEDEPTHDATA: DRILLER’S RECORD
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDDD: 40.21639
LONGITUDEDDD: -75.08306
DEPTHTOBED: 25
DATEDRILL: Not Reported
PAGWISID: 65055

Construction Information:
Construction Date: 10/20/1973 00:00:00
Driller: 331
Source Cons Data: DRILLER’S RECORD
Method Cons: Not Reported
Finish: Not Reported

Casing Information:
Top Of Casing: 0
Casing Wall Thickness: Not Reported
Bottom Of Casing: 31
Casing Diameter: 6
Casing: Not Reported

Geohydrologic Information:
AAPG: 231SCKN
Lithology: SH
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: Not Reported
Water Use: DOMESTIC

Owner Information:
Owner: NIXON C
Date Ownership: Not Reported

Remarks Information:
Remark: TEST YIELD METHOD=WEIR
Remark Date: Not Reported

---

WELLID: 401259075045901
LOCALWELLID: BK 1006
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 155
ELEVATION: 250
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACOF: 5
HYDROLOGIC: 02040201
### Production Information
- **Discharge Type:** PUMPED
- **Data Source:** D
- **Discharge Meas Method:** W
- **Discharge:** 12
- **SWL:** 30
- **W L Data Source:** D
- **W L Meas Method:** Not Reported
- **Prod W L:** 90
- **Spec Cap:** 20000002980232
- **Test Length:** 2
- **Site Status W L Meas:** Not Reported
- **Date Discharged:** 10/20/1973 00:00:00
### BK298
**NW**
1/2 - 1 Mile
**Lower**

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<td>Owner's Name</td>
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<td>Water Usage</td>
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<td>Casing 1 Diameter</td>
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<tr>
<td>Casing 2 Diameter</td>
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<tr>
<td>Static Water Level</td>
<td>30</td>
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<tr>
<td>Yield (gpm)</td>
<td>12</td>
</tr>
<tr>
<td>Bedrock</td>
<td>25</td>
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<tr>
<td>Water Bearing Zone 1</td>
<td>18</td>
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<tr>
<td>Water Bearing Zone 2</td>
<td>65</td>
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<td>Water Bearing Zone 3</td>
<td>140</td>
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<td>Municipality</td>
<td>WARMINSTER</td>
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<tr>
<td>Aquifer</td>
<td>STOCKTON FORMATION</td>
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<tr>
<td>Accurate To</td>
<td>+1 MINUTE</td>
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<tr>
<td>Lat/Long Accuracy</td>
<td>ACCURATE TO +1 MINUTE</td>
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<tr>
<td>Topographic Setting</td>
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<td>Site Usage</td>
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<td>Test Time</td>
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<td>Driller</td>
<td>331</td>
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<tr>
<td>Lithology</td>
<td>SHALE</td>
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<td>Remark</td>
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### BL299
**East**
1/2 - 1 Mile
**Higher**

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<tr>
<td>LOCALWELLN</td>
<td>BK 1019</td>
</tr>
<tr>
<td>COUNTY</td>
<td>BUCKS</td>
</tr>
<tr>
<td>TOPOGRAPHY</td>
<td>HILLSIDE</td>
</tr>
<tr>
<td>ELEVATION</td>
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<tr>
<td>ELEVATIONMETHOD</td>
<td>INTERPOLATED FROM TOPOGRAPHIC MAP</td>
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<tr>
<td>HYDROLOGIC</td>
<td>02040201</td>
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<tr>
<td>LATLONACCURACY</td>
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<tr>
<td>WATER BEARING ZONE 1</td>
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<tr>
<td>WATER BEARING ZONE 2</td>
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<td>MUNICIPALITY</td>
<td>WARMINSTER TWP.</td>
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<td>LATITUDE</td>
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<td>LONGITUDE</td>
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<td>DATE DRLR</td>
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<td>PAGWIS ID</td>
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<td>DATEUPDATE</td>
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<td>SOURCE DEPTH DATA</td>
<td>OTHER/UNKNOWN/UNSPECIFIED</td>
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<td>MUNICIPALITY</td>
<td>WARMINSTER TWP.</td>
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**Remarks:**
- **Remark:** TEST YIELD METHOD=WEIR

**Owner Information:**
- **Owner:** NIXON, CHARLES
- **Date Ownership:** 10/20/1973 00:00:00
Agency Use Section:
Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:
Construction Date: 01/01/1967 00:00:00
Driller: 0413
Source Cons Data: DRILLER’S RECORD
Method Cons: OTHER/UNKNOWN
Finish: UNKNOWN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 62
Casing: STEEL

Top Of Casing: 0
Bottom Of Casing: 62
Casing: STEEL

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 62
Hole Diameter: 8

Top Of Hole: 62
Bottom Of Hole: 385
Hole Diameter: 6

Geohydrologic Information:
A A P G: 231SCKN
Lithology: UNKNOWN
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: WITHDRAWAL
Water Use: DOMESTIC

Production Information:
Discharge Type: PUMPED
Data Source: D
Discharge Meas Method: Not Reported
Discharge: 131
SWL: 17

W L Data Source: D
W L Meas Method: Not Reported
Prod W L: 134
Drawdown: 117
Test Length: 24

Spec Cap: 1.12000000476837
Site Status W L Meas: Not Reported
Date Discharged: 05/01/1967 00:00:00

Owner Information:
Owner: U S NADC
Date Ownership: 01/01/1967 00:00:00

Other ID Information:
Other Identifier: 9
Other I D Assignor: OWNER PA
### BL300
**Direction:** East  
**Distance:** 1/2 - 1 Mile  
**Type:** Higher

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<td><strong>Site name:</strong></td>
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<td><strong>Latitude:</strong></td>
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<td><strong>Longitude:</strong></td>
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<td>-75.05517026</td>
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<td><strong>Coor accr:</strong></td>
<td>S</td>
</tr>
<tr>
<td><strong>Dec latlon datum:</strong></td>
<td>NAD83</td>
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<tr>
<td><strong>State:</strong></td>
<td>42</td>
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<tr>
<td><strong>Country:</strong></td>
<td>US</td>
</tr>
<tr>
<td><strong>Location map:</strong></td>
<td>HATBoro</td>
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<tr>
<td><strong>Altitude:</strong></td>
<td>360</td>
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<td><strong>Altitude accuracy:</strong></td>
<td>5</td>
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<tr>
<td><strong>Hydrologic:</strong></td>
<td>CrosswicksNeshaminy, New Jersey, Pennsylvania. Area = 521 sq.mi.</td>
</tr>
<tr>
<td><strong>Topographic:</strong></td>
<td>Hillside (slope)</td>
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<tr>
<td><strong>Site type:</strong></td>
<td>Water - ground other than Spring</td>
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<td><strong>Date inventoried:</strong></td>
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<td><strong>Local standard time flag:</strong></td>
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<td><strong>Type of ground water site:</strong></td>
<td>Single well, other than collector or Ranney type</td>
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<td><strong>Aquifer Type:</strong></td>
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<td><strong>Well depth:</strong></td>
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**Ground-water levels, Number of Measurements:** 0

### BK301
**Direction:** NW  
**Distance:** 1/2 - 1 Mile  
**Type:** Lower

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<td><strong>Longitude:</strong></td>
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<td><strong>Location map:</strong></td>
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<td><strong>Topographic:</strong></td>
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<td><strong>Site type:</strong></td>
<td>Water - ground other than Spring</td>
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**Ground-water levels, Number of Measurements:** 0

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TC01779758.1r  Page A-289
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<td>Hole depth:</td>
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Ground-water levels, Number of Measurements: 0

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**BK302**  
**NW**  
**1/2 - 1 Mile**  
Lower

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<td>AAPG:</td>
<td>231SCKN</td>
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<td>TOPOGRAPHY:</td>
<td>HILLSIDE</td>
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**Construction Information:**  
Construction Date: 07/08/1974 00:00:00  
Driller: 260  
Source Cons Data: DRILLER'S RECORD  
Method Cons: Not Reported  
Finish: Not Reported

**Casing Information:**  
Top Of Casing: 0  
Bottom Of Casing: 53  
Casing Wall Thickness: Not Reported  
Casing Diameter: 6  
Casing: Not Reported
GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geohydrologic Information:
- AAPG: 231SCKN
- Lithology: SS
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: WITHDRAWAL
- Water Use: DOMESTIC

Owner Information:
- Owner: MASCARO J
- Date Ownership: Not Reported

---

BK303
NW 1/2 - 1 Mile Lower PA WELLS PA1000000059695

WELLID: 401300075045801 LOCALWELLN: BK 1005
COUNTY: BUCKS
AAPG: 231SCKN
TOPOGRAPHY: HILLSIDE
WELDEPTH: 115
ELEVATION: 250
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported  DATEUPDATE: Not Reported
DATERELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.21667
LONGITUDEDD: -75.08278
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 5099

Agency Use Section:
- Agency Use of Site: OBSERVATION
- Agency Use Date: Not Reported

Construction Information:
- Construction Date: 07/08/1974 00:00:00
- Driller: 0260
- Source Cons Data: DRILLER’S RECORD
- Method Cons: AIR ROTARY
- Finish: OPEN HOLE

Casing Information:
- Top Of Casing: 0  Casing Wall Thickness: Not Reported
- Bottom Of Casing: 53  Casing Diameter: 6
- Casing: STEEL
Hole Information:
  Top Of Hole: 0
  Bottom Of Hole: 115
  Hole Diameter: 6

Geohydrologic Information:
  A A P G: 231SCKN
  Lithology: UNKNOWN
  Contributing Unit: PRIMARY
  Top Of Interval: Not Reported
  Bottom Of Interval: Not Reported

Water Use Information:
  Site Use: WITHDRAWAL
  Water Use: DOMESTIC

Production Information:
  Discharge Type: PUMPED
  Data Source: D
  Discharge Meas Method: Not Reported
  SWL: Not Reported
  W L Data Source: Not Reported
  W L Meas Method: Not Reported
  Prod W L: Not Reported
  Drawdown: Not Reported
  Spec Cap: Not Reported
  Test Length: Not Reported
  Site Status W L Meas: Not Reported
  Date Discharged: 07/08/1974 00:00:00

Owner Information:
  Owner: KEEBLE
  Date Ownership: 01/01/1974 00:00:00

---

Well ID: 5343N
Owner's Name: MASCARO J
Latitude: 401300
Quadrangle: HATBORO
Hydrologic Unit: 02040201
Water Usage: DOMESTIC
Well Depth: 115
Casing 1: 53
Casing2: Not Reported
Grouted: Not Reported
Static Water Level: 115
Yield (gpm): 12
Drawdown: Not Reported
Bedrock: Not Reported
Water Bearing Zone 1: 72
Water Bearing Zone 3: Not Reported
Municipality: WARMINSTER
Aquifer: STOCKTON FORMATION
County: BUCKS
Longitude: 750458
Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Topographic Setting: HILLSIDE
Site Usage: WITHDRAWAL
Finish: Not Reported
Casing1 Diameter(inches): 6
Casing2 Diameter(inches): Not Reported
Date Drilled: 7-8-74
Production WL: 115
Yield Measurement Method: E
Test Time: 1
Driller: 260
Lithology: SANDSTONE
Water Bearing Zone 2: 110
Remark: Not Reported

---

TC01779758.1r Page A-292
Map ID: BM305
Direction: SE
Distance: 1/2 - 1 Mile
Elevation: Higher

Database: PA WELLS
EDR ID Number: PA100000056663

Acquisition Information:
Agency Use Section: ANODE
Agency Use Date: 05/31/1995 00:00:00

Construction Information:
Construction Date: 11/15/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 11
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: 240
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 4

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 11
Hole Diameter: 12

Top Of Hole: 11
Bottom Of Hole: 253
Hole Diameter: 8

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 05/31/1995 00:00:00

Construction Information:
Construction Date: 11/15/1993 00:00:00
Driller: 0330
Source Cons Data: USGS OR PAGS
Method Cons: AIR ROTARY
Finish: SCREEN

Casing Information:
Top Of Casing: 0
Bottom Of Casing: 11
Casing: STEEL
Casing Wall Thickness: Not Reported
Casing Diameter: 8

Top Of Casing: 0
Bottom Of Casing: 240
Casing: PVC OR OTHER PLASTIC
Casing Wall Thickness: Not Reported
Casing Diameter: 4

Hole Information:
Top Of Hole: 0
Bottom Of Hole: 11
Hole Diameter: 12

Top Of Hole: 11
Bottom Of Hole: 253
Hole Diameter: 8
Screen Opening Information:
Top Open Interval: 225
Bottom Open Interval: 240
Open Interval Material: PLASTIC

Geohydrologic Information:
AAPG: 231SCKNM
Lithology: Not Reported
Contributing Unit: PRIMARY
Top Of Interval: Not Reported
Bottom Of Interval: Not Reported

Water Use Information:
Site Use: OBSERVATION
Water Use: UNUSED

Owner Information:
Owner: NAVAL AIR WARFARE CENTER
Date Ownership: 11/15/1993 00:00:00

Remarks Information:
Remark: LSD - 2.5
Remark Date: 11/15/1993 00:00:00

BM306
SE 1/2 - 1 Mile Higher

WELLID: 401143075034103 LOCALWELLN: BK 2559
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 38
ELEVATION: 330
ELEVMETHOD: Not Reported
ACCURACYSOF: 5
HYDROLOGIC: 02040201
LATLONGACCURACY: Not Reported
QUAD: HATBORO
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATA For Source DEPTH DATA: USGS OR PAGS
MUNICIPALITY: WARMINSTER TWP.
LATITUDEDD: 40.19528
LONGITUDEDD: -75.06139
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 42452

Agency Use Section:
Agency Use of Site: ANODE
Agency Use Date: 05/31/1995 00:00:00
Construction Information:
- Construction Date: 12/14/1993 00:00:00
- Driller: 0330
- Source Cons Data: USGS OR PAGS
- Method Cons: AIR ROTARY
- Finish: SCREEN

Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 11
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

- Top Of Casing: 0
- Bottom Of Casing: 38
- Casing: PVC OR OTHER PLASTIC
- Casing Wall Thickness: Not Reported
- Casing Diameter: 4

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 11
- Hole Diameter: 12
- Top Of Hole: 11
- Bottom Of Hole: 53
- Hole Diameter: 8

Screen Opening Information:
- Top Open Interval: 28
- Bottom Open Interval: 38
- Open Interval Material: PLASTIC
- Opening: SCREEN
- Diameter Open Interval: 4

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 12/14/1993 00:00:00

Remarks Information:
- Remark: LSD 2.6
- Remark Date: 12/15/1993 00:00:00
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<td>Coor accr:</td>
<td>S</td>
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<td>Dec latlong datum:</td>
<td>NAD83</td>
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<td>State:</td>
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<td>Topographic:</td>
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<td>Site type:</td>
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**BM308**

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<td>Altitude:</td>
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<td>Site type:</td>
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**Ground-water levels, Number of Measurements: 1**

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<tr>
<th>Date</th>
<th>Feet below Surface</th>
<th>Feet to Sealevel</th>
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<tr>
<td>1993-12-15</td>
<td>14.5</td>
<td></td>
<td>Note: The site had been pumped recently.</td>
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**Project number:**

- **444219704**

**Acquifer:**

- **STOCKTON FORMATION,MIDDLE MEMBER**

**Source of depth data:**

- **reporting agency (generally USGS)**

**Real time data flag:**

- **0**

**Daily flow data begin date:**

- **0000-00-00**

**Daily flow data count:**

- **0**

**Peak flow data begin date:**

- **0000-00-00**

**Peak flow data count:**

- **0**

**Water quality data begin date:**

- **0000-00-00**

**Water quality data count:**

- **0**

**Ground water data begin date:**

- **1993-12-15**

**Ground water data count:**

- **1**

**Source of depth data:**

- **reporting agency (generally USGS)**

**Real time data flag:**

- **0**

**Daily flow data begin date:**

- **0000-00-00**

**Daily flow data count:**

- **0**

**Peak flow data begin date:**

- **0000-00-00**

**Peak flow data count:**

- **0**

**Water quality data begin date:**

- **0000-00-00**

**Water quality data count:**

- **0**

**Ground water data begin date:**

- **1993-12-15**

**Ground water data count:**

- **1**
BM309
SE
1⁄2 - 1 Mile
Higher

Agency cd: USGS
Site name: BK 2559
Latitude: 401143
Longitude: 0750341
Dec lon: -75.06100386
Coor accr: S
Dec latlong datum: NAD83
State: 42
Country: US
Location map: HATBORO
Altitude: 330
Altitude accuracy: 5
Topographic: Valley flat
Site type: Ground-water other than Spring
Date inventoried: 19950531
Mean greenwich time offset: EST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: STOCKTON FORMATION,MIDDLE MEMBER
Well depth: 38
Hole depth: 53
Source of depth data: reporting agency (generally USGS)
Project number: 444219704
Real time data flag: 0
Daily flow data end date: 0000-00-00
Daily flow data count: 0
Peak flow data begin date: 0000-00-00
Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1993-11-15
Ground water data end date: 1993-11-15

Ground water levels, Number of Measurements: 1
Date Surface Feet below Feet to Seallevel
1993-11-15
19.00

Note: The site had been pumped recently.
Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.

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**BN310**

**SE**

1/2 - 1 Mile Higher

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<td>Longitude:</td>
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<tr>
<td>Dec Ion:</td>
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<td>Coor accr:</td>
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<td>Dec latlong datum:</td>
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<td>Topographic:</td>
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<tr>
<td>Aquifer Type:</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer:</td>
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<td>Hole depth:</td>
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Ground-water levels, Number of Measurements: 1

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Note: The site had been pumped recently.

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**BN311**

**SE**

1/2 - 1 Mile Higher

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Ground-water levels, Number of Measurements: 1

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<th>Feet to Sealevel</th>
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Note: The site had been pumped recently.
Ground-water levels, Number of Measurements: 1

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<tr>
<td>Date</td>
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BN313

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<th>PA WELLS</th>
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<td>1/2 - 1 Mile</td>
<td>Higher</td>
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| WELLID: | 401149075033101 |
| COUNTY: | BUCKS |
| AAPG: | 231SCKNM |
| TOPOGRAPHY: | VALLEY FLAT |
| WELLDEPTH: | 135 |
| ELEVATION: | 344 |
| ELEVMETHOD: | Not Reported |
| ACCURACYOF: | 5 |
| HYDROLOGIC: | 02040201 |
| LATLONGACCURACY: | Not Reported |
| QUAD: | HATBORO |
| TYPEOFSITE: | WELL |
| DATECREATE: | Not Reported |
| DATEUPDATE: | Not Reported |
| DATARELIABILITY: | FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) |
| SOURCE DEPTH DATA: | USGS OR PAGS |
| MUNICIPALITY: | WARMINSTER TWP. |
| LATITUDEDD: | 40.19694 |
| LONGITUDEDD: | -75.05861 |
| DEPTHTOBED: | 0 |
| DATEDRILLE: | Not Reported |
| PAGWIS ID: | 42464 |

**Agency Use Section:**
- **Agency Use of Site:** ANODE
- **Agency Use Date:** Not Reported

**Construction Information:**
- **Construction Date:** 11/10/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN
Casing Information:
- Top Of Casing: 0
- Bottom Of Casing: 13
- Casing: STEEL
- Casing Wall Thickness: Not Reported
- Casing Diameter: 8

Hole Information:
- Top Of Hole: 0
- Bottom Of Hole: 13
- Hole Diameter: 12
- Top Of Hole: 13
- Bottom Of Hole: 153
- Hole Diameter: 8

Screen Opening Information:
- Top Open Interval: 115
- Bottom Open Interval: 135
- Diameter Open Interval: 4
- Open Interval Material: PLASTIC
- Opening: SCREEN

Geohydrologic Information:
- A A P G: 231SCKNM
- Lithology: Not Reported
- Contributing Unit: PRIMARY
- Top Of Interval: Not Reported
- Bottom Of Interval: Not Reported

Water Use Information:
- Site Use: OBSERVATION
- Water Use: UNUSED

Owner Information:
- Owner: NAVAL AIR WARFARE CENTER
- Date Ownership: 11/10/1993 00:00:00

Remarks Information:
- Remark: LSD 2.2
- Remark Date: 11/10/1993 00:00:00

BN314
SE
1/2 - 1 Mile Higher

WELLID: 401149075033102
COUNTY: BUCKS
AAPG: 231SCKNM
TOPOGRAPHY: VALLEY FLAT
WELDEPTH: 97
ELEVATION: 344
ELEVMETHOD: Not Reported
ACCURACYOF: 5
HYDROLOGIC: 02040201

LOCALWELLN: BK 2534
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<td>WARMINSTER TWP.</td>
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**Agency Use Section:**
- **Agency Use of Site:** ANODE
- **Agency Use Date:** 01/18/1995 00:00:00

**Construction Information:**
- **Construction Date:** 11/23/1993 00:00:00
- **Driller:** 0330
- **Source Cons Data:** USGS OR PAGS
- **Method Cons:** AIR ROTARY
- **Finish:** SCREEN

**Casing Information:**
- **Top Of Casing:** 0
- **Bottom Of Casing:** 13
- **Casing:** STEEL
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 8

- **Top Of Casing:** 0
- **Bottom Of Casing:** 97
- **Casing:** PVC OR OTHER PLASTIC
- **Casing Wall Thickness:** Not Reported
- **Casing Diameter:** 4

**Hole Information:**
- **Top Of Hole:** 0
- **Bottom Of Hole:** 13
- **Hole Diameter:** 12

- **Top Of Hole:** 13
- **Bottom Of Hole:** 103
- **Hole Diameter:** 8

**Screen Opening Information:**
- **Top Open Interval:** 87
- **Bottom Open Interval:** 97
- **Diameter Open Interval:** 4
- **Open Interval Material:** PLASTIC
- **Opening:** SCREEN

**Geohydrologic Information:**
- **A A P G:** 231SCKNM
- **Lithology:** Not Reported
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** OBSERVATION
- **Water Use:** UNUSED
### Owner Information:
- **Owner:** NAVAL AIR WARFARE CENTER
- **Date Ownership:** 11/23/1993 00:00:00

### Remarks Information:
- **Remark:** LSD 1.8
- **Remark Date:** 11/23/1993 00:00:00

### Casing Information:
- **Top Of Casing:** 0
- **Bottom Of Casing:** 15
- **Casing:** PVC OR OTHER PLASTIC

### Casing Wall Thickness:
- **Not Reported**

### Casing Diameter:
- **Not Reported**

### Hole Information:
- **Top Of Hole:** 0
- **Bottom Of Hole:** 33
- **Hole Diameter:** 6
Geohydrologic Information:
  A A P G: 231SCKNM
  Lithology: Not Reported
  Contributing Unit: PRIMARY
  Top Of Interval: Not Reported  Bottom Of Interval: Not Reported

Water Use Information:
  Site Use: OBSERVATION
  Water Use: UNUSED

Owner Information:
  Owner: U S NAVAL AIR WARFARE CENTER
  Date Ownership: 11/06/1990 00:00:00

Other ID Information:
  Other Identifier: DG-21  Other I D Assignor: OWNER PA

BO316
NNW
1/2 - 1 Mile
Lower

  WELLID: Not Reported  LOCALWELLN: 6649N
  COUNTY: BUCKS
  AAPG: 231SCKN
  TOPOGRAPHY: FLAT SURFACE
  WELDEPTH: 100
  ELEVATION: 0
  ELEVMETHOD: Not Reported
  ACCURACYOF: Not Reported
  HYDROLOGIC: 02040201
  LATLONACURACY: ACCURATE TO +1 MINUTE
  QUAD: HATBORO
  TYPEOFSITE: WELL
  DATECREATE: Not Reported  DATEUPDATE: Not Reported
  DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)
  SOURCE DEPTH DATA: DRILLER’S RECORD
  MUNICIPALITY: WARWICK TWP.
  LATITUDEDD: 40.21889
  LONGITUDEDD: -75.07806
  DEPTHTOBED: 20
  DATEDRILLE: Not Reported
  PAGWIS ID: 70322

Construction Information:
  Construction Date: 10/01/1985 00:00:00
  Driller: 512
  Source Cons Data: DRILLER’S RECORD
  Method Cons: Not Reported
  Finish: OPEN HOLE

Casing Information:
  Top Of Casing: 0  Casing Wall Thickness: Not Reported
  Bottom Of Casing: 21  Casing Diameter: 6
  Casing: Not Reported
### GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**Geohydrologic Information:**
- **AAPG:** 231SCKN
- **Lithology:** SH
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

**Water Use Information:**
- **Site Use:** MINE
- **Water Use:** INDUSTRIAL

**Owner Information:**
- **Owner:** WARWICK ASSOC
- **Date Ownership:** Not Reported

**Remarks Information:**
- **Remark:** CAS.MT=ST;5FT=CLAY;8FT=SFTREDSHLE;12FT=RDSHALE;30=SNDSTN;
- **Remark Date:** Not Reported

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**BO317**

**NNW**

1/2 - 1 Mile Lower

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**Quadrangle:** HATBoro  
**Hydrologic Unit:** 02040201  
**Water Usage:** INDUSTRIAL  
**Well Depth:** 100  
**Casing 1:** 21  
**Casing2:** Not Reported  
**Grounted:** Yes  
**Static Water Level:** 21  
**Yield (gpm):** 15  
**Drawdown:** Not Reported  
**Bedrock:** 20  
**Water Bearing Zone 1:** 35  
**Water Bearing Zone 2:** 55  
**Municipality:** WARWICK  
**Aquifer:** STOCKTON FORMATION

**Remark:** Not Reported

---

**BP318**

**NNW**

1/2 - 1 Mile Lower

<table>
<thead>
<tr>
<th>WELLID:</th>
<th>401307075045101</th>
<th>LOCALWELLN:</th>
<th>BK 1055</th>
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<tbody>
<tr>
<td><strong>COUNTY:</strong></td>
<td>BUCKS</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AAPG:</strong></td>
<td>231SCKN</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOPOGRAPHY:</strong></td>
<td>VALLEY FLAT</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WELLDEPTH:</strong></td>
<td>44</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ELEVATION:</strong></td>
<td>235</td>
<td></td>
<td></td>
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<tr>
<td><strong>ELEVMETHOD:</strong></td>
<td>INTERPOLATED FROM TOPOGRAPHIC MAP</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ACCURACOF:</strong></td>
<td>5</td>
<td></td>
<td></td>
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<tr>
<td><strong>HYDROLOGIC:</strong></td>
<td>02040201</td>
<td></td>
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</table>

**Remark:** Not Reported
### Geographic Information

- **LATLONACCURACY:** ACCURATE TO +1 SECOND
- **QUAD:** HATBORO
- **TYPESITE:** WELL
- **DATECREATE:** Not Reported
- **DATEUPDATE:** Not Reported
- **DATARELIABILITY:** FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
- **SOURCE DEPTH DATA:** OTHER/UNKNOWN/UNSPECIFIED
- **MUNICIPALITY:** WARMINSTER TWP.
- **LATITUDE:** 40.21861
- **LONGITUDE:** -75.08083
- **DEPTHTOVED:** 0
- **DATEDRILLE:** Not Reported
- **PAGWISID:** 7087

### Agency Use Section
- **Agency Use of Site:** OBSERVATION
- **Agency Use Date:** Not Reported

### Casing Information
- **Top Of Casing:** 0
- **Casing Wall Thickness:** Not Reported
- **Bottom Of Casing:** 21
- **Casing Diameter:** 6
- **Casing:** Not Reported

### Geohydrologic Information
- **A A P G:** 231SCKN
- **Lithology:** UNKNOWN
- **Contributing Unit:** PRIMARY
- **Top Of Interval:** Not Reported
- **Bottom Of Interval:** Not Reported

### Water Use Information
- **Site Use:** WITHDRAWAL
- **Water Use:** DOMESTIC

### Owner Information
- **Owner:** MCMAHON, L
- **Date Ownership:** 01/01/1974 00:00:00
**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

<table>
<thead>
<tr>
<th>Local standard time flag:</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
</tr>
<tr>
<td>Aquifer Type:</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Aquifer:</td>
<td>STOCKTON FORMATION</td>
</tr>
<tr>
<td>Well depth:</td>
<td>44.0</td>
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<tr>
<td>Source of depth data:</td>
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<tr>
<td>Real time data flag:</td>
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<tr>
<td>Daily flow data end date:</td>
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<tr>
<td>Peak flow data begin date:</td>
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<td>Peak flow data count:</td>
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<td>Water quality data end date:</td>
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<td>Ground water data count:</td>
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Ground-water levels, Number of Measurements: 0

---

### 320
### SE
### 1/2 - 1 Mile
### Higher

<table>
<thead>
<tr>
<th>Agency cd:</th>
<th>USGS</th>
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<tbody>
<tr>
<td>Site name:</td>
<td>BK 2620</td>
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<tr>
<td>Latitude:</td>
<td>401145</td>
</tr>
<tr>
<td>Longitude:</td>
<td>0750332</td>
</tr>
<tr>
<td>Dec lon:</td>
<td>-75.05850379</td>
</tr>
<tr>
<td>Coor accr:</td>
<td>S</td>
</tr>
<tr>
<td>Dec lat lon datum:</td>
<td>NAD83</td>
</tr>
<tr>
<td>State:</td>
<td>42</td>
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<tr>
<td>Country:</td>
<td>US</td>
</tr>
<tr>
<td>Location map:</td>
<td>HATBORO</td>
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<tr>
<td>Altitude:</td>
<td>337</td>
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<tr>
<td>Altitude accuracy:</td>
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<td>Topographic:</td>
<td>Hillside (slope)</td>
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<tr>
<td>Site type:</td>
<td>Ground-water other than Spring</td>
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<tr>
<td>Date inventoried:</td>
<td>19940523</td>
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<tr>
<td>Date construction:</td>
<td>19940520</td>
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<td>Type of ground water site:</td>
<td>Single well, other than collector or Ranney type</td>
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<tr>
<td>Aquifer Type:</td>
<td>Unconfined single aquifer</td>
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<tr>
<td>Aquifer:</td>
<td>STOCKTON FORMATION</td>
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<tr>
<td>Well depth:</td>
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<tr>
<td>Daily flow data end date:</td>
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<tr>
<td>Peak flow data begin date:</td>
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<td>Peak flow data count:</td>
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<td>Water quality data end date:</td>
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<td>Ground water data begin date:</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Ground water data count:</td>
<td>Not Reported</td>
</tr>
</tbody>
</table>

Ground-water levels, Number of Measurements: 0
Federal EPA Radon Zone for BUCKS 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.
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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW® 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

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
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 Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

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  

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 Public Water Supply Wells  
Source: Pennsylvania Department of Environmental Resources Bureau of Water Supply  
Telephone: 717-787-5017

Pennsylvania Groundwater Information System  
Source: Department of Conservation and Natural Resources  
Telephone: 717-783-7258

OTHER STATE DATABASE INFORMATION

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.

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