

APPENDIX A
GOVERNMENT AND HISTORICAL RECORDS DOCUMENTATION



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Navy and Marine Corps Reserve Center
615 Kenhorst Blvd
Reading, PA 19611**

Inquiry Number: 1760691.1s

September 22, 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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	8
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-42

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

615 KENHORST BLVD
READING, PA 19611

COORDINATES

Latitude (North): 40.320300 - 40° 19' 13.1"
Longitude (West): 75.951400 - 75° 57' 5.0"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 419166.8
UTM Y (Meters): 4463532.0
Elevation: 330 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40075-C8 READING, PA
Most Recent Revision: 2001

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
US NAVAL & MARINE CORPS RESERVE C 615 KENHORST BLVD READING, PA 19611	RCRA-SQG FINDS	PA0170024160

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

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
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
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
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
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
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EXECUTIVE SUMMARY

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.

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 4 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>TROOP L</i> Facility Status: Interim Remedial Actions Initiated or Completed	<i>600 KENHORST BLVD</i>	<i>0 - 1/8</i>	<i>2</i>	<i>6</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OAKBROOK PROJ Facility Status: Inactive	500 MCCLELLAN ST	1/4 - 1/2E	3	7
NATL AUTO STORE Facility Status: Cleanup Completed	1220 W LANCASTER AVE	1/4 - 1/2SSE	4	7
U HAUL CTR Facility Status: Inactive	1050 LANCASTER PIKE	1/4 - 1/2SE	5	7

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 is 1 AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>TROOP L</i>	<i>600 KENHORST BLVD</i>	<i>0 - 1/8</i>	<i>2</i>	<i>6</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
ANGSTADT	ARCHIVE UST
V & AMP; S SITE	BROWNFIELDS
STAGECOACH STOP RESTAURANT	LUST
WINN GENERAL STORE	LUST
"THE FORMER HAINES SCHOOL"	LUST
DOWNS RESIDENCE	LAST
HC HAYNES	LAST
BERK-TEK INC	RCRA-SQG, FINDS
USN RESERVE CENTER READING	ERNS
READING HOSPITAL & MEDICAL CENTER	ICIS
BALDWIN HARDWARE	NY MANIFEST

OVERVIEW MAP - 1760691.1s



- | | |
|---|--|
|  Target Property |  |
|  Sites at elevations higher than or equal to the target property |  Indian Reservations BIA |
|  Sites at elevations lower than the target property |  Power transmission lines |
|  Manufactured Gas Plants |  Oil & Gas pipelines |
|  National Priority List Sites |  100-year flood zone |
|  Landfill Sites |  500-year flood zone |
|  Dept. Defense Sites |  National Wetland Inventory |

<p>SITE NAME: Navy and Marine Corps Reserve Center ADDRESS: 615 Kenhorst Blvd Reading PA 19611 LAT/LONG: 40.3203 / 75.9514</p>	<p>CLIENT: Tetra Tech NUS, Inc. CONTACT: Rima Miley INQUIRY #: 1760691.1s DATE: September 22, 2006 11:53 am</p>
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DETAIL MAP - 1760691.1s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Landfill Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone



SITE NAME: Navy and Marine Corps Reserve Center
 ADDRESS: 615 Kenhorst Blvd
 Reading PA 19611
 LAT/LONG: 40.3203 / 75.9514

CLIENT: Tetra Tech NUS, Inc.
 CONTACT: Rima Miley
 INQUIRY #: 1760691.1s
 DATE: September 22, 2006 11:53 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
HSCA		1.000	0	0	0	0	NR	0
SWF/LF		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
LUST		0.500	1	0	3	NR	NR	4
UNREG LTANKS		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
ARCHIVE UST		0.250	0	0	NR	NR	NR	0
LAST		0.500	0	0	0	NR	NR	0
AST		0.250	1	0	NR	NR	NR	1
ARCHIVE AST		TP	NR	NR	NR	NR	NR	0
MANIFEST		0.250	0	0	NR	NR	NR	0
ACT 2-DEED		0.500	0	0	0	NR	NR	0
ENG CONTROLS		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1 **US NAVAL & MARINE CORPS RESERVE CENTEE**
Target **615 KENHORST BLVD**
Property **READING, PA 19611**

RCRA-SQG **1005418177**
FINDS **PA0170024160**

Actual:
330 ft.

RCRAInfo:
 Owner: COMMANDER NAVAL RESERVE FORCE
 (504) 948-1250
 EPA ID: PA0170024160
 Contact: BRENDA MAGUIRE
 (215) 378-0164
 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.

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.

2 **TROOP L**
600 KENHORST BLVD
< 1/8 **READING, PA 19611**
1 ft.

LUST **S101473340**
AST **N/A**

Relative:
Higher

LUST:
 Facility Id: 06-12766
 Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: **Interim Remedial Actions Initiated or Completed**
 Status Date: 2003-03-20 00:00:00
 Release Date: 1989-08-05 00:00:00
 Region: South Central
 Description: PA STATE POLICE noc

Actual:
340 ft.

AST:
 Mailing Name: PA STATE POLICE
 Mailing Address: DEPT HQ FAC MGMT DIV
 Mailing Address: 1800 ELMERTON AVE
 Mailing City,St,Zip: HARRISBURG, PA 17110
 Municipality: Reading
 Client Id: 89904
 Site ID: 564625
 Other Id: 06-12766
 2nd Facility Addr: Not reported
 Region Code: 4300
 Region Code Name: EP Sc Rgnl Off Harrisbrg

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

TROOP L (Continued)

S101473340

Tank Code: AST
 Tank Seq Num: 001A
 Tank Capacity: 10000
 Date Installed: 12/19/1998
 Substance: Gasoline
 Tank Status: GAS
 Inspection Code: In Service
 Tank Last Inspected: Not reported
 Regulated Exp Date: 6/4/2007

3
 East
 1/4-1/2
 1357 ft.

OAKBROOK PROJ
500 MCCLELLAN ST
READING, PA

LUST S101473337
N/A

Relative:
Lower

LUST:
 Facility Id: 06-61660
 Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Inactive
 Status Date: 2005-08-22 00:00:00
 Release Date: 1989-08-05 00:00:00
 Region: South Central
 Description: OAKBROOK PROJ

Actual:
308 ft.

4
 SSE
 1/4-1/2
 2589 ft.

NATL AUTO STORE
1220 W LANCASTER AVE
SHILLINGTON, PA

LUST S101473335
N/A

Relative:
Lower

LUST:
 Facility Id: 06-64621
 Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
 Status Date: 1995-02-08 00:00:00
 Release Date: 1989-08-05 00:00:00
 Region: South Central
 Description: N L AUTO STORES

Actual:
263 ft.

5
 SE
 1/4-1/2
 2636 ft.

U HAUL CTR
1050 LANCASTER PIKE
READING, PA

LUST S105801418
N/A

Relative:
Lower

LUST:
 Facility Id: 06-04527
 Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Inactive
 Status Date: 2003-03-28 00:00:00
 Release Date: 1989-08-05 00:00:00
 Region: South Central
 Description: U HAUL CTR SHILLINGTON tanks 1, 2, and 3

Actual:
252 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
READING	1000267651	BERK-TEK INC	RT 10 MORGANTOWN ROAD	19607	RCRA-SQG, FINDS
READING	S105801399	STAGECOACH STOP RESTAURANT	RTE 222 / RTE 73		LUST
READING	S106934719	ANGSTADT	ROUTE 724 / 176	19607	ARCHIVE UST
READING	90180416	USN RESERVE CENTER READING	USN RESERVE CENTER READING		ERNS
READING	1009245198	BALDWIN HARDWARE	841 EAST WYOMISSING BOULEVARD	19611	NY MANIFEST
WEST READING	1009288859	READING HOSPITAL & MEDICAL CENTER	6TH AVENUE & SPRUCE STREET	19611	ICIS
WINN	S104794812	DOWNNS RESIDENCE	RT 168	19610	LAST
WINN	S106789896	WINN GENERAL STORE	ROUTE 2 AT ROUTE 168	19610	LUST
WINN	S106894132	"THE FORMER HAINES SCHOOL"	ROUTE 2	19610	LUST
WINN	S105000793	HC HAYNES	PO BOX 96 / ROUTE 168	19610	LAST
WYOMISSING	S107543536	V & S SITE	2224 STATE HILL ROAD	19610	BROWNFIELDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

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
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/15/2006
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: 07/19/2006
Number of Days to Update: 35	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	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/06/2006
Number of Days to Update: 32	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	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: 06/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/18/2006
	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: 07/17/2006
Number of Days to Update: 46	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	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 09/05/2006
Number of Days to Update: 35	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	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 09/15/2006
Number of Days to Update: 48	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	Source: Department Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 717-783-7816
Date Made Active in Reports: 03/15/2006	Last EDR Contact: 08/18/2006
Number of Days to Update: 26	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/26/2004	Telephone: 717-783-7816
Date Made Active in Reports: 06/24/2004	Last EDR Contact: 08/16/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/13/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 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
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 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/21/2006	Telephone: 717-783-9470
Date Made Active in Reports: 07/12/2006	Last EDR Contact: 09/11/2006
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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/16/2006	Telephone: 717-783-9470
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 08/16/2006
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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/16/2006	Telephone: 717-783-9470
Date Made Active in Reports: 06/06/2006	Last EDR Contact: 08/16/2006
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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/21/2006	Telephone: 717-783-2388
Date Made Active in Reports: 07/12/2006	Last EDR Contact: 09/11/2006
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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/20/2006	Telephone: 717-787-9702
Date Made Active in Reports: 08/18/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Varies

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 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

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Public Welfare

Telephone: 717-783-3856

Flood Zone Data: This data, 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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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NAVY AND MARINE CORPS RESERVE CENTER
615 KENHORST BLVD
READING, PA 19611

TARGET PROPERTY COORDINATES

Latitude (North):	40.32030 - 40° 19' 13.1"
Longitude (West):	75.9514 - 75° 57' 5.0"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	419166.8
UTM Y (Meters):	4463532.0
Elevation:	330 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40075-C8 READING, PA
Most Recent Revision:	2001

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

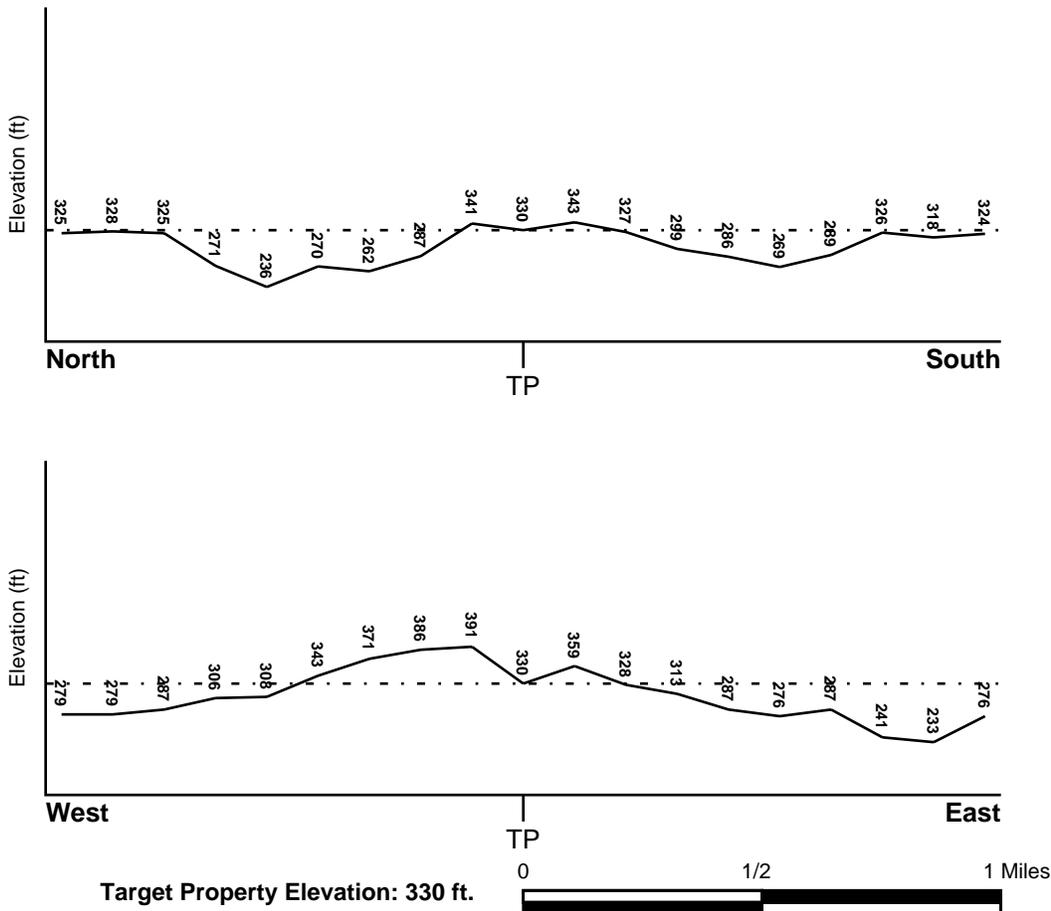
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> BERKS, PA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	42011C0504E
Additional Panels in search area:	42011C0503E 42011C0508E 42011C0512E 42011C0516E

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> READING	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Cambrian
Series:	Cambrian
Code:	C (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HAGERSTOWN
Soil Surface Texture:	silt loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 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:	> 80 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 6.00 Min: 0.60	Max: 6.50 Min: 4.50
2	8 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 4.50
3	20 inches	72 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam

Surficial Soil Types: silty clay loam

Shallow Soil Types: silt loam

Deeper Soil Types: channery - silt loam
stratified loam
unweathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS2163370	1/2 - 1 Mile ENE
B3	USGS2163452	1/2 - 1 Mile SE
C6	USGS2163361	1/2 - 1 Mile East
D7	USGS2163378	1/2 - 1 Mile ENE
C10	USGS2163365	1/2 - 1 Mile ENE
D11	USGS2163383	1/2 - 1 Mile ENE
E13	USGS2163421	1/2 - 1 Mile South
F16	USGS2163344	1/2 - 1 Mile East
F17	USGS2163342	1/2 - 1 Mile East
F19	USGS2163350	1/2 - 1 Mile East
G21	USGS2163328	1/2 - 1 Mile East
H24	USGS2163471	1/2 - 1 Mile ESE
G25	USGS2163324	1/2 - 1 Mile East
G28	USGS2163327	1/2 - 1 Mile East
G30	USGS2163334	1/2 - 1 Mile East
I32	USGS2163404	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

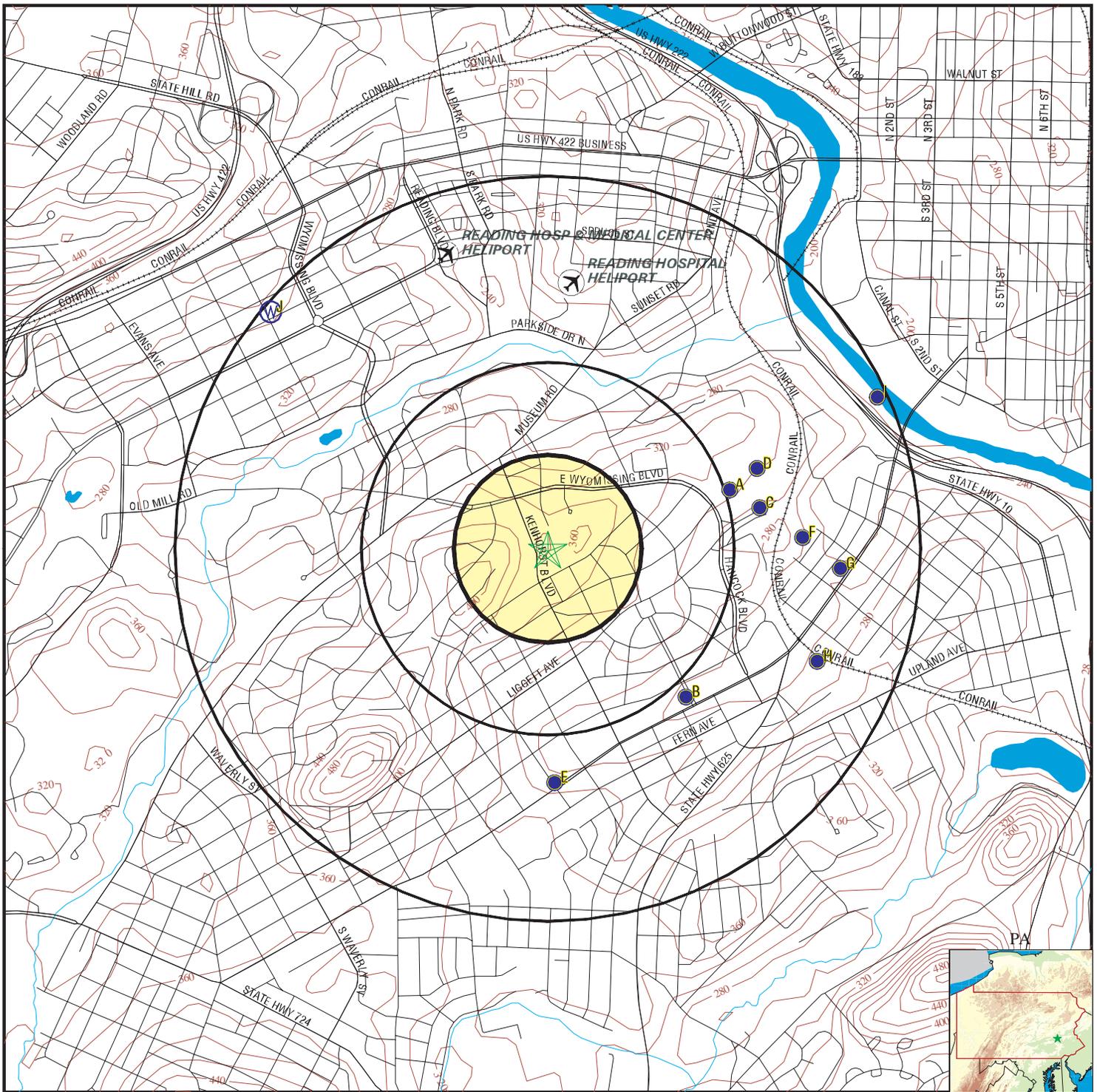
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	PA1000000075766	1/2 - 1 Mile ENE
B4	PA1000000074390	1/2 - 1 Mile SE
C5	PA1000000075624	1/2 - 1 Mile East
D8	PA1000000075849	1/2 - 1 Mile ENE
C9	PA1000000075687	1/2 - 1 Mile ENE
D12	PA1000000075937	1/2 - 1 Mile ENE
E14	PA1000000073834	1/2 - 1 Mile South
F15	PA1000000075449	1/2 - 1 Mile East
F18	PA1000000075399	1/2 - 1 Mile East
F20	PA1000000075535	1/2 - 1 Mile East
G22	PA1000000075230	1/2 - 1 Mile East
H23	PA1000000074671	1/2 - 1 Mile ESE
G26	PA1000000075179	1/2 - 1 Mile East
G27	PA1000000075231	1/2 - 1 Mile East
G29	PA1000000075270	1/2 - 1 Mile East
I31	PA2000000000991	1/2 - 1 Mile ENE
J33	SPAW0016741	1/2 - 1 Mile NW
J34	SPAW0016740	1/2 - 1 Mile NW
J35	PA1000000076915	1/2 - 1 Mile NW
J36	PA1000000076914	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 1760691.1s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Navy and Marine Corps Reserve Center
 ADDRESS: 615 Kenhorst Blvd
 Reading PA 19611
 LAT/LONG: 40.3203 / 75.9514

CLIENT: Tetra Tech NUS, Inc.
 CONTACT: Rima Miley
 INQUIRY #: 1760691.1s
 DATE: September 22, 2006 11:53 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
ENE
1/2 - 1 Mile
Lower

FED USGS USGS2163370

Agency cd:	USGS	Site no:	401921075563301
Site name:	BE 1398		
Latitude:	401921		
Longitude:	0755633	Dec lat:	40.3225926
Dec lon:	-75.942154	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	240	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19820218
Date inventoried:	19820218	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:	BUFFALO SPRINGS FORMATION		
Well depth:	559	Hole depth:	Not Reported
Source of depth data:	driller	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
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:	1982-02-18	Ground water data end date:	1982-02-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1982-02-18	62	

A2
ENE
1/2 - 1 Mile
Lower

PA WELLS PA1000000075766

WELLID:	401921075563301	LOCALWELLN:	BE 1398
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	HILLSIDE		
WELLDEPTH:	559		
ELEVATION:	240		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	20		
HYDROLOGIC:	02040203		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

LATLONGACCURACY: ACCURATE TO +5 SECONDS
QUAD: READING
TYPEOFSITE: WELL
DATECREATE: Not Reported DATEUPDATE: Not Reported
DATARELIABILITY: NOT FLD CHECKED, RPRTING AGENCY CONSIDERS IT OK (DEP WSM, WWI web)
SOURCE DEPTH DATA: DRILLER'S RECORD
MUNICIPALITY: READING
LATITUDEDD: 40.3225
LONGITUDEED: -75.9425
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 317

Agency Use Section:

Agency Use of Site: OBSERVATION
Agency Use Date: Not Reported

Construction Information:

Construction Date: 02/18/1982 00:00:00
Driller: 0188
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: 101 Casing Diameter: 8
Casing: UNKNOWN

Hole Information:

Top Of Hole: 0
Bottom Of Hole: 0 Hole Diameter: 8

Geohydrologic Information:

A A P G: 374BSPG
Lithology: LIMESTONE
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: BALDWIN HARDWARE
Date Ownership: 02/18/1982 00:00:00

Other ID Information:

Other Identifier: 3 Other I D Assignor: OWNER PA

B3
SE
1/2 - 1 Mile
Lower

FED USGS USGS2163452

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	401852075564101
Site name:	BE 456		
Latitude:	401852		
Longitude:	0755641	Dec lat:	40.31453699
Dec lon:	-75.94437646	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	240	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19540101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	278	Hole depth:	278
Source of depth data:	Not Reported	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
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:	1971-04-01	Ground water data end date:	1971-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1971-04-01	4.00	

B4
SE
1/2 - 1 Mile
Lower

PA WELLS PA1000000074390

WELLID:	401852075564101	LOCALWELLN:	BE 456
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	VALLEY FLAT		
WELLDEPTH:	278		
ELEVATION:	240		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02040203		
LATLONGACCURACY:	ACCURATE TO +1 SECOND		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	READING		
LATITUDEDD:	40.31444		
LONGITUDEDD:	-75.94472		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTO BED: 0
 DATEDRILLE: Not Reported
 PAGWIS ID: 312

Agency Use Section:

Agency Use of Site: OBSERVATION
 Agency Use Date: Not Reported

Construction Information:

Construction Date: Not Reported
 Driller: 0188
 Source Cons Data: DRILLER'S RECORD
 Method Cons: AIR ROTARY
 Finish: OPEN HOLE

Casing Information:

Top Of Casing:	.330000013113022	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	17.2000007629395	Casing Diameter:	14
Casing:	STEEL		

Top Of Casing:	3	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	97.4000015258789	Casing Diameter:	10
Casing:	STEEL		

Hole Information:

Top Of Hole:	0		
Bottom Of Hole:	181	Hole Diameter:	10

Geohydrologic Information:

A A P G:	374BSPG		
Lithology:	UNKNOWN		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use: WITHDRAWAL
 Water Use: OTHER

Production Information:

Discharge Type:	PUMPED		
Data Source:	D		
Discharge Meas Method:	R		
Discharge:	80	SWL:	63.5
W L Data Source:	D		
W L Meas Method:	Not Reported		
Prod W L:	147	Drawdown:	83.5
Spec Cap:	.959999978542328	Test Length:	24
Site Status W L Meas:	Not Reported		
Date Discharged:	03/28/1985 00:00:00		

Owner Information:

Owner: BALDWIN HARDWARE CORP
 Date Ownership: 12/21/1984 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Other ID Information:

Other Identifier:	P. W. 4	Other I D Assignor:	OWNER PA
Other Identifier:	PA 0011371	Other I D Assignor:	NPDES PERMIT

**C6
East
1/2 - 1 Mile
Lower**

FED USGS USGS2163361

Agency cd:	USGS	Site no:	401918075562901
Site name:	BE 1443		
Latitude:	401918		
Longitude:	0755629	Dec lat:	40.32175927
Dec lon:	-75.94104279	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	220	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill. Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Upland draw		
Site type:	Ground-water other than Spring	Date construction:	19850328
Date inventoried:	19850328	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:	BUFFALO SPRINGS FORMATION		
Well depth:	297	Hole depth:	Not Reported
Source of depth data:	driller	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
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:	1985-03-28	Ground water data end date:	1985-03-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1985-03-28	63.5	

**D7
ENE
1/2 - 1 Mile
Lower**

FED USGS USGS2163378

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	401923075562801
Site name:	BE 650		
Latitude:	401923		
Longitude:	0755628	Dec lat:	40.32314817
Dec lon:	-75.94076498	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	260	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19650101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	405	Hole depth:	405
Source of depth data:	Not Reported	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
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:	1965-03-01	Ground water data end date:	1965-03-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1965-03-01	60.00	

**D8
ENE
1/2 - 1 Mile
Lower**

PA WELLS PA1000000075849

WELLID:	401923075562801	LOCALWELLN:	BE 650
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	HILLSIDE		
WELLDEPTH:	405		
ELEVATION:	260		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02040203		
LATLONGACCURACY:	ACCURATE TO +1 SECOND		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	READING		
LATITUDEDD:	40.32306		
LONGITUDEDD:	-75.94111		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTOBED: 0
 DATEDRILLE: Not Reported
 PAGWIS ID: 315

Agency Use Section:

Agency Use of Site: OBSERVATION
 Agency Use Date: Not Reported

Construction Information:

Construction Date: 07/13/1985 00:00:00
 Driller: 0188
 Source Cons Data: DRILLER'S RECORD
 Method Cons: AIR ROTARY
 Finish: SCREEN

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	3	Casing Diameter:	18
Casing:	UNKNOWN		

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	103	Casing Diameter:	14
Casing:	UNKNOWN		

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	106	Casing Diameter:	10
Casing:	UNKNOWN		

Hole Information:

Top Of Hole:	0		
Bottom Of Hole:	106	Hole Diameter:	10

Top Of Hole:	106		
Bottom Of Hole:	146	Hole Diameter:	8

Screen Opening Information:

Top Open Interval:	101		
Bottom Open Interval:	146	Diameter Open Interval:	8
Open Interval Material:	STAINLESS STEEL		
Opening:	SCREEN		

Geohydrologic Information:

A A P G:	374BSPG		
Lithology:	UNKNOWN		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use: WITHDRAWAL
 Water Use: OTHER

Owner Information:

Owner: BALDWIN HARDWARE CORP
 Date Ownership: 07/13/1985 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Other ID Information:

Other Identifier: 5 Other I D Assignor: OWNER PA

**C10
ENE
1/2 - 1 Mile
Lower**

FED USGS USGS2163365

Agency cd:	USGS	Site no:	401919075562601
Site name:	BE 1444		
Latitude:	401919		
Longitude:	0755626	Dec lat:	40.32203705
Dec lon:	-75.94020938	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	220	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill. Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Upland draw		
Site type:	Ground-water other than Spring	Date construction:	19850713
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:	BUFFALO SPRINGS FORMATION		
Well depth:	146	Hole depth:	197
Source of depth data:	driller	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
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:	1985-07-29	Ground water data end date:	1985-07-29
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1985-07-29	56.95	

**D11
ENE
1/2 - 1 Mile
Lower**

FED USGS USGS2163383

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	401925075562801
Site name:	BE 1397		
Latitude:	401925		
Longitude:	0755628	Dec lat:	40.32370373
Dec lon:	-75.94076498	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	290	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19810131
Date inventoried:	19810131	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:	BUFFALO SPRINGS FORMATION		
Well depth:	380	Hole depth:	Not Reported
Source of depth data:	driller	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
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:	1986-01-31	Ground water data end date:	1986-01-31
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1986-01-31	50	

**D12
ENE
1/2 - 1 Mile
Lower**

PA WELLS PA1000000075937

WELLID:	401925075562801	LOCALWELLN:	BE 1397
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	HILLSIDE		
WELLDEPTH:	380		
ELEVATION:	290		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02040203		
LATLONGACCURACY:	ACCURATE TO +5 SECONDS		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	NOT FLD CHECKED, RPRTING AGENCY CONSIDERS IT OK (DEP WSM, WWI web)		
SOURCE DEPTH DATA:	DRILLER'S RECORD		
MUNICIPALITY:	READING		
LATITUDEDD:	40.32361		
LONGITUDEDD:	-75.94111		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	280	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Schuylkill. Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19530101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	67	Hole depth:	67
Source of depth data:	Not Reported	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
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:	1953-05-01	Ground water data end date:	1953-05-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1953-05-01	35.00	

E14
South
1/2 - 1 Mile
Lower

PA WELLS PA1000000073834

WELLID:	401840075570501	LOCALWELLN:	BE 147
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	VALLEY FLAT		
WELLDEPTH:	67		
ELEVATION:	280		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	20		
HYDROLOGIC:	02040203		
LATLONGACCURACY:	ACCURATE TO +5 SECONDS		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	READING		
LATITUDEDD:	40.31111		
LONGITUDEDD:	-75.95139		
DEPTHTOBED:	0		
DATEDRILLE:	Not Reported		
PAGWIS ID:	247		

Agency Use Section:

Agency Use of Site:	OBSERVATION
Agency Use Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Information:

Construction Date: 01/01/1953 00:00:00
 Driller: 1
 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:	50	Casing Diameter:	6
Casing:	UNKNOWN		

Hole Information:

Top Of Hole:	0		
Bottom Of Hole:	67	Hole Diameter:	0

Geohydrologic Information:

A A P G:	374BSPG		
Lithology:	LIMESTONE		
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: VARRICHONE, ANTHONY
 Date Ownership: 01/01/1953 00:00:00

**F15
 East
 1/2 - 1 Mile
 Lower**

PA WELLS PA1000000075449

WELLID:	401914075562101	LOCALWELLN:	BE 302
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	HILLTOP		
WELLDEPTH:	550		
ELEVATION:	240		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02040203		
LATLONGACCURACY:	ACCURATE TO +1 SECOND		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	READING		
LATITUDEDD:	40.32056		
LONGITUDEDD:	-75.93917		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

DEPTHTOBED: 0
 DATEDRILLE: Not Reported
 PAGWIS ID: 300

Agency Use Section:

Agency Use of Site: OBSERVATION
 Agency Use Date: Not Reported

Construction Information:

Construction Date: 01/01/1946 00:00:00
 Driller: 1
 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:	48	Casing Diameter:	8
Casing:	UNKNOWN		

Hole Information:

Top Of Hole:	0		
Bottom Of Hole:	550	Hole Diameter:	0

Geohydrologic Information:

A A P G:	374BSPG		
Lithology:	LIMESTONE		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use: DESTROYED
 Water Use: UNUSED

Production Information:

Discharge Type:	PUMPED		
Data Source:	Not Reported		
Discharge Meas Method:	Not Reported		
Discharge:	60	SWL:	25
W L Data Source:	S		
W L Meas Method:	REPORTED, METHOD NOT KNOWN		
Prod W L:	250	Drawdown:	225
Spec Cap:	.270000010728836	Test Length:	Not Reported
Site Status W L Meas:	Not Reported		
Date Discharged:	12/01/1946 00:00:00		

Owner Information:

Owner: INTERSTATE CONTAINER
 Date Ownership: 01/01/1946 00:00:00

F16
East
1/2 - 1 Mile
Lower

FED USGS USGS2163344

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	401914075562101
Site name:	BE 302		
Latitude:	401914		
Longitude:	0755621	Dec lat:	40.32064816
Dec lon:	-75.93882036	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	240	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill. Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19460101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	550	Hole depth:	550
Source of depth data:	Not Reported	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
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:	1946-12-01	Ground water data end date:	1946-12-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1946-12-01	25.00	

**F17
East
1/2 - 1 Mile
Lower**

FED USGS USGS2163342

Agency cd:	USGS	Site no:	401913075561902
Site name:	BE 303		
Latitude:	401913		
Longitude:	0755619	Dec lat:	40.32037038
Dec lon:	-75.93826476	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	240	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill. Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	1947
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	36	Casing Diameter:	8
Casing:	UNKNOWN		

Geohydrologic Information:

A A P G:	374BSPG		
Lithology:	LIMESTONE		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

Water Use Information:

Site Use:	DESTROYED
Water Use:	UNUSED

Owner Information:

Owner:	INTERSTATE CONT AINE
Date Ownership:	01/01/1947 00:00:00

**F19
East
1/2 - 1 Mile
Lower**

FED USGS USGS2163350

Agency cd:	USGS	Site no:	401916075561901
Site name:	BE 304		
Latitude:	401916		
Longitude:	0755619	Dec lat:	40.32120372
Dec lon:	-75.93826475	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	240	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill. Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19470101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	700	Hole depth:	700
Source of depth data:	Not Reported	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
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:	1971-04-01	Ground water data end date:	1971-04-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-04-01	42.00	

**F20
East
1/2 - 1 Mile
Lower**

PA WELLS PA1000000075535

WELLID:	401916075561901	LOCALWELLN:	BE 304
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	HILLTOP		
WELLDEPTH:	700		
ELEVATION:	240		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02040203		
LATLONGACCURACY:	ACCURATE TO +1 SECOND		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	READING		
LATITUDEDD:	40.32111		
LONGITUDEDD:	-75.93861		
DEPTHTOBED:	0		
DATEDRILLE:	Not Reported		
PAGWIS ID:	308		

Agency Use Section:

Agency Use of Site:	OBSERVATION
Agency Use Date:	Not Reported

Construction Information:

Construction Date:	01/01/1947 00:00:00
Driller:	1
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:	43.2999992370605	Casing Diameter:	8
Casing:	UNKNOWN		

Hole Information:

Top Of Hole:	0		
Bottom Of Hole:	700	Hole Diameter:	0

Geohydrologic Information:

A A P G:	374BSPG		
Lithology:	LIMESTONE		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Use Information:

Site Use: WITHDRAWAL
 Water Use: INDUSTRIAL

Production Information:

Discharge Type: PUMPED
 Data Source: Not Reported
 Discharge Meas Method: Not Reported
 Discharge: 154 SWL: 42
 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: 10
 Site Status W L Meas: Not Reported
 Date Discharged: 04/01/1971 00:00:00

Owner Information:

Owner: INTERSTATE CONTAINER
 Date Ownership: 01/01/1947 00:00:00

**G21
 East
 1/2 - 1 Mile
 Lower**

FED USGS USGS2163328

Agency cd:	USGS	Site no:	401910075561501
Site name:	BE 482		
Latitude:	401910		
Longitude:	0755615	Dec lat:	40.31953704
Dec lon:	-75.93715355	Coord meth:	M
Coord accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	210	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19480101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	355	Hole depth:	355
Source of depth data:	Not Reported	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
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:	1948-02-01	Ground water data end date:	1948-02-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1948-02-01	19.00	

G22
East
1/2 - 1 Mile
Lower

PA WELLS PA1000000075230

WELLID:	401910075561501	LOCALWELLN:	BE 482
COUNTY:	BERKS		
AAPG:	374BSPG		
TOPOGRAPHY:	VALLEY FLAT		
WELLDEPTH:	355		
ELEVATION:	210		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
ACCURACYOF:	10		
HYDROLOGIC:	02040203		
LATLONGACCURACY:	ACCURATE TO +1 SECOND		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SOURCE DEPTH DATA:	OTHER/UNKNOWN/UNSPECIFIED		
MUNICIPALITY:	READING		
LATITUDEDD:	40.31944		
LONGITUDEDD:	-75.9375		
DEPTHTOBED:	0		
DATEDRILLE:	Not Reported		
PAGWIS ID:	286		

Agency Use Section:

Agency Use of Site:	OBSERVATION
Agency Use Date:	Not Reported

Construction Information:

Construction Date:	01/01/1948 00:00:00
Driller:	1
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:	65	Casing Diameter:	6
Casing:	UNKNOWN		

Hole Information:

Top Of Hole:	0		
Bottom Of Hole:	355	Hole Diameter:	0

Geohydrologic Information:

A A P G:	374BSPG		
Lithology:	LIMESTONE		
Contributing Unit:	PRIMARY		
Top Of Interval:	Not Reported	Bottom Of Interval:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Use Information:

Site Use: UNUSED
 Water Use: UNUSED

Production Information:

Discharge Type: PUMPED
 Data Source: Not Reported
 Discharge Meas Method: Not Reported
 Discharge: 30 SWL: 19
 W L Data Source: S
 W L Meas Method: REPORTED, METHOD NOT KNOWN
 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: 02/01/1948 00:00:00

Owner Information:

Owner: O B SWEATER DYERS, I
 Date Ownership: 01/01/1948 00:00:00

**H23
 ESE
 1/2 - 1 Mile
 Lower**

PA WELLS PA1000000074671

WELLID: 401857075561701 LOCALWELLN: BE 430
 COUNTY: BERKS
 AAPG: 370CMBR
 TOPOGRAPHY: HILLSIDE
 WELLDEPTH: 150
 ELEVATION: 260
 ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
 ACCURACYOF: 10
 HYDROLOGIC: 02040203
 LATLONGACCURACY: ACCURATE TO +1 SECOND
 QUAD: READING
 TYPEOFSITE: WELL
 DATECREATE: Not Reported DATEUPDATE: Not Reported
 DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
 SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
 MUNICIPALITY: READING
 LATITUDEDD: 40.31583
 LONGITUDEDD: -75.93806
 DEPTHTOBED: 0
 DATEDRILLE: Not Reported
 PAGWIS ID: 269

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: OTHER/UNKNOWN/UNSPECIFIED
 Method Cons: CABLE TOOL
 Finish: OPEN HOLE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Top Of Casing:	0	Casing Wall Thickness:	Not Reported
Bottom Of Casing:	60	Casing Diameter:	8
Casing:	UNKNOWN		

Geohydrologic Information:

A A P G:	370CMBR		
Lithology:	DOLOMITE		
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:	94	SWL:	23
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:	Not Reported		
Date Discharged:	04/01/1971 00:00:00		

Owner Information:

Owner:	KURTZ BROS CONC RETE
Date Ownership:	01/01/1955 00:00:00

**H24
ESE
1/2 - 1 Mile
Lower**

FED USGS USGS2163471

Agency cd:	USGS	Site no:	401857075561701
Site name:	BE 430		
Latitude:	401857		
Longitude:	0755617	Dec lat:	40.31592591
Dec lon:	-75.93770917	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	260	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19550101
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:	CAMBRIAN SYSTEM		
Well depth:	150	Hole depth:	Not Reported
Source of depth data:	Not Reported	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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: 1971-04-01	Ground water data end date: 1971-04-01
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1971-04-01	23.00	

G25
East
1/2 - 1 Mile
Lower

FED USGS USGS2163324

Agency cd: USGS	Site no: 401909075561301
Site name: BE 431	
Latitude: 401909	
Longitude: 0755613	Dec lat: 40.31925927
Dec lon: -75.93659794	Coor meth: M
Coor accr: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 42
State: 42	County: 011
Country: US	Land net: Not Reported
Location map: READING	Map scale: 24000
Altitude: 230	Altitude method: M
Altitude accuracy: 10	Altitude datum: NGVD29
Hydrologic: Schuylkill. Pennsylvania. Area = 1900 sq.mi.	
Topographic: Hillside (slope)	
Site type: Ground-water other than Spring	Date construction: 19480101
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: BUFFALO SPRINGS FORMATION	
Well depth: 586	Hole depth: 586
Source of depth data: Not Reported	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
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: 1948-02-01	Ground water data end date: 1948-02-01
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1948-02-01	56.00	

G26
East
1/2 - 1 Mile
Lower

PA WELLS PA100000075179

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

WELLID: 401909075561301 LOCALWELLN: BE 431
 COUNTY: BERKS
 AAPG: 374BSPG
 TOPOGRAPHY: HILLSIDE
 WELLDEPTH: 586
 ELEVATION: 230
 ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
 ACCURACYOF: 10
 HYDROLOGIC: 02040203
 LATLONGACCURACY: ACCURATE TO +1 SECOND
 QUAD: READING
 TYPEOFSITE: WELL
 DATECREATE: Not Reported DATEUPDATE: Not Reported
 DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
 SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
 MUNICIPALITY: READING
 LATITUDEDD: 40.31917
 LONGITUDEDD: -75.93694
 DEPTHTOBED: 0
 DATEDRILLE: Not Reported
 PAGWIS ID: 284

Agency Use Section:

Agency Use of Site: OBSERVATION
 Agency Use Date: Not Reported

Construction Information:

Construction Date: 01/01/1948 00:00:00
 Driller: 1
 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: 47.7000007629395 Casing Diameter: 9
 Casing: UNKNOWN

Hole Information:

Top Of Hole: 0
 Bottom Of Hole: 586 Hole Diameter: 0

Geohydrologic Information:

A A P G: 374BSPG
 Lithology: LIMESTONE
 Contributing Unit: PRIMARY
 Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:

Site Use: WITHDRAWAL
 Water Use: AIR CONDITIONING

Production Information:

Discharge Type: PUMPED
 Data Source: Not Reported
 Discharge Meas Method: Not Reported
 Discharge: 409 SWL: 56
 W L Data Source: S
 W L Meas Method: REPORTED, METHOD NOT KNOWN
 Prod W L: 80 Drawdown: 24
 Spec Cap: 17 Test Length: 48
 Site Status W L Meas: Not Reported
 Date Discharged: 02/01/1948 00:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner Information:

Owner: GILBERTS ASSOCI ATES
 Date Ownership: 01/01/1948 00:00:00

G27
East
1/2 - 1 Mile
Lower

PA WELLS PA1000000075231

WELLID: 401910075561201 LOCALWELLN: BE 428
 COUNTY: BERKS
 AAPG: 374BSPG
 TOPOGRAPHY: HILLSIDE
 WELLDEPTH: 346
 ELEVATION: 220
 ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
 ACCURACYOF: 20
 HYDROLOGIC: 02040203
 LATLONGACCURACY: ACCURATE TO +1 SECOND
 QUAD: READING
 TYPEOFSITE: WELL
 DATECREATE: Not Reported DATEUPDATE: Not Reported
 DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
 SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
 MUNICIPALITY: READING
 LATITUDEDD: 40.31944
 LONGITUDEDD: -75.93667
 DEPTHTOBED: 0
 DATEDRILLE: Not Reported
 PAGWIS ID: 285

Agency Use Section:

Agency Use of Site: OBSERVATION
 Agency Use Date: Not Reported

Construction Information:

Construction Date: 01/01/1949 00:00:00
 Driller: 1
 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: 107 Casing Diameter: 7
 Casing: UNKNOWN

Hole Information:

Top Of Hole: 0
 Bottom Of Hole: 346 Hole Diameter: 0

Geohydrologic Information:

A A P G: 374BSPG
 Lithology: LIMESTONE
 Contributing Unit: PRIMARY
 Top Of Interval: Not Reported Bottom Of Interval: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Use Information:

Site Use: RECHARGE
 Water Use: UNUSED

Production Information:

Discharge Type: Not Reported
 Data Source: Not Reported
 Discharge Meas Method: Not Reported
 Discharge: Not Reported SWL: 35
 W L Data Source: S
 W L Meas Method: REPORTED, METHOD NOT KNOWN
 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: 01/01/1949 00:00:00

Owner Information:

Owner: GILBERTS ASSOCIATES
 Date Ownership: 01/01/1949 00:00:00

**G28
 East
 1/2 - 1 Mile
 Lower**

FED USGS USGS2163327

Agency cd:	USGS	Site no:	401910075561201
Site name:	BE 428		
Latitude:	401910		
Longitude:	0755612	Dec lat:	40.31953705
Dec lon:	-75.93632013	Coord meth:	M
Coord accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	225	Altitude method:	M
Altitude accuracy:	20	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19490101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	346	Hole depth:	346
Source of depth data:	Not Reported	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
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:	1949-01-01	Ground water data end date:	1949-01-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1949-01-01	35.00	

G29
East
1/2 - 1 Mile
Lower

PA WELLS PA1000000075270

WELLID: 401911075561101 **LOCALWELLN:** BE 432
COUNTY: BERKS
AAPG: 374BSPG
TOPOGRAPHY: HILLSIDE
WELLDEPTH: 888
ELEVATION: 230
ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP
ACCURACYOF: 10
HYDROLOGIC: 02040203
LATLONGACCURACY: ACCURATE TO +1 SECOND
QUAD: READING
TYPEOFSITE: WELL
DATECREATE: Not Reported **DATEUPDATE:** Not Reported
DATARELIABILITY: FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)
SOURCE DEPTH DATA: OTHER/UNKNOWN/UNSPECIFIED
MUNICIPALITY: READING
LATITUDEDD: 40.31972
LONGITUDEDD: -75.93639
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 290

Agency Use Section:
 Agency Use of Site: OBSERVATION
 Agency Use Date: Not Reported

Construction Information:
 Construction Date: 01/01/1948 00:00:00
 Driller: 1
 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: 110 Casing Diameter: 8
 Casing: UNKNOWN

Hole Information:
 Top Of Hole: 0
 Bottom Of Hole: 888 Hole Diameter: 0

Geohydrologic Information:
 A A P G: 374BSPG
 Lithology: LIMESTONE
 Contributing Unit: PRIMARY
 Top Of Interval: Not Reported Bottom Of Interval: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Use Information:

Site Use: WITHDRAWAL
 Water Use: AIR CONDITIONING

Production Information:

Discharge Type: PUMPED
 Data Source: Not Reported
 Discharge Meas Method: Not Reported
 Discharge: 383 SWL: 11
 W L Data Source: S
 W L Meas Method: STEEL TAPE
 Prod W L: 91 Drawdown: 80
 Spec Cap: 4.78999996185303 Test Length: 86
 Site Status W L Meas: Not Reported
 Date Discharged: 04/01/1971 00:00:00

Owner Information:

Owner: GILBERTS ASSOCIATES
 Date Ownership: 01/01/1948 00:00:00

**G30
 East
 1/2 - 1 Mile
 Lower**

FED USGS USGS2163334

Agency cd:	USGS	Site no:	401911075561101
Site name:	BE 432		
Latitude:	401911		
Longitude:	0755611	Dec lat:	40.31981483
Dec lon:	-75.93604233	Coord meth:	M
Coord accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	230	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19480101
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:	BUFFALO SPRINGS FORMATION		
Well depth:	888	Hole depth:	888
Source of depth data:	Not Reported	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
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:	1971-04-01	Ground water data end date:	1971-04-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-04-01	11.00	

I31
ENE
1/2 - 1 Mile
Lower

PA WELLS PA200000000991

WELLID:	401934075560601		
LOCALWELLN:	9		
COUNTY:	BERKS		
QUAD:	READING		
TOPOGRAPHY:	VALLEY FLAT		
ELEVATION:	198		
ELEVMETHOD:	INTERPOLATED FROM TOPOGRAPHIC MAP		
HYDROLOGIC:	02040203		
LATLONGACC:	ACCURATE TO +5 SECONDS		
TYPEOFSITE:	S		
FORMATION:	374BSPG		
DATARELIAB:	FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey)		
SPRINGNAME:	Not Reported		
SPRINGTYPE:	Not Reported		
PERMANENCE:	Not Reported		
SPHEREOFDI:	Not Reported		
MUNICIPALI:	06000		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
LATITUDEDD:	40.32611		
LONGITUDEDD:	-75.935		
PAGWIS ID:	221127		

I32
ENE
1/2 - 1 Mile
Lower

FED USGS USGS2163404

Agency cd:	USGS	Site no:	401934075560601
Site name:	BE SP9		
Latitude:	401934		
Longitude:	0755606	Dec lat:	40.32620376
Dec lon:	-75.93465329	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	42
State:	42	County:	011
Country:	US	Land net:	Not Reported
Location map:	READING	Map scale:	24000
Altitude:	198	Altitude method:	M
Altitude accuracy:	10	Altitude datum:	NGVD29
Hydrologic:	Schuylkill, Pennsylvania. Area = 1900 sq.mi.		
Topographic:	Valley flat		
Site type:	Spring	Date construction:	Not Reported
Date inventoried:	1965	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Spring		
Aquifer Type:	Not Reported		
Aquifer:	BUFFALO SPRINGS FORMATION		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

Water quality data begin date: Not Reported
 Water quality data count: Not Reported
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

J33
NW
1/2 - 1 Mile
Lower

PA WELLS SPAW0016741

Well ID:	X 0449	County	BERKS
Owner's Name:	EDGAR EDWARD	Longitude:	755757
Latitude:	401946	Lat/Long Accuracy:	ACCURATE TO +1 MINUTE
Quadrangle:	READING	Topographic Setting:	Not Reported
Hydrologic Unit:	Not Reported	Site Usage:	WITHDRAWAL
Water Usage:	DOMESTIC	Finish:	OPEN HOLE
Well Depth:	180	Casing1 Diameter(inches):	6
Casing 1:	40	Casing2 Diameter(inches):	Not Reported
Casing2:	Not Reported	Date Drilled:	00-00-68
Grouted:	Not Reported	Production WL:	Not Reported
Static Water Level:	25	Yield Measurement Method:	3
Yield (gpm):	Not Reported	Test Time:	1
Drawdown:	110	Driller:	0332
Bedrock:	Not Reported	Water Bearing Zone 2:	Not Reported
Water Bearing Zone 1:	Not Reported	Lithology:	Not Reported
Water Bearing Zone 3:	Not Reported	Remark:	1638
Municipality:	SPRING		
Aquifer:	UNKNOWN		

J34
NW
1/2 - 1 Mile
Lower

PA WELLS SPAW0016740

Well ID:	X 0447	County	BERKS
Owner's Name:	EDGAR EDWARD	Longitude:	755757
Latitude:	401946	Lat/Long Accuracy:	ACCURATE TO +1 MINUTE
Quadrangle:	READING	Topographic Setting:	Not Reported
Hydrologic Unit:	Not Reported	Site Usage:	WITHDRAWAL
Water Usage:	DOMESTIC	Finish:	OPEN HOLE
Well Depth:	154	Casing1 Diameter(inches):	6
Casing 1:	40	Casing2 Diameter(inches):	Not Reported
Casing2:	Not Reported	Date Drilled:	00-00-68
Grouted:	Not Reported	Production WL:	Not Reported
Static Water Level:	25	Yield Measurement Method:	3
Yield (gpm):	Not Reported	Test Time:	1
Drawdown:	65	Driller:	0332
Bedrock:	154	Water Bearing Zone 2:	Not Reported
Water Bearing Zone 1:	Not Reported	Lithology:	Not Reported
Water Bearing Zone 3:	Not Reported	Remark:	1638
Municipality:	SPRING		
Aquifer:	UNKNOWN		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

J35
NW
1/2 - 1 Mile
Lower

PA WELLS PA1000000076915

WELLID:	Not Reported	LOCALWELLN:	X 0449
COUNTY:	BERKS		
AAPG:	1		
TOPOGRAPHY:	Not Reported		
WELLDEPTH:	180		
ELEVATION:	0		
ELEVMETHOD:	Not Reported		
ACCURACYOF:	Not Reported		
HYDROLOGIC:	Not Reported		
LATLONGACCURACY:	ACCURATE TO +1 MINUTE		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	LOCATION MAY NOT BE ACCURATE (WWI paper)		
SOURCE DEPTH DATA:	DRILLER'S RECORD		
MUNICIPALITY:	SPRING TWP.		
LATITUDEDD:	40.32944		
LONGITUDEDD:	-75.96583		
DEPTHTOBED:	0		
DATEDRILLE:	Not Reported		
PAGWIS ID:	61325		

Construction Information:

Construction Date:	01/01/1968 00:00:00
Driller:	0332
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:	40	Casing Diameter:	6
Casing:	Not Reported		

Geohydrologic Information:

A A P G:	1		
Lithology:	Not Reported		
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:	EDGAR EDWARD
Date Ownership:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

J36
NW
 1/2 - 1 Mile
 Lower

PA WELLS PA1000000076914

WELLID:	Not Reported	LOCALWELLN:	X 0447
COUNTY:	BERKS		
AAPG:	1		
TOPOGRAPHY:	Not Reported		
WELLDEPTH:	154		
ELEVATION:	0		
ELEVMETHOD:	Not Reported		
ACCURACYOF:	Not Reported		
HYDROLOGIC:	Not Reported		
LATLONGACCURACY:	ACCURATE TO +1 MINUTE		
QUAD:	READING		
TYPEOFSITE:	WELL		
DATECREATE:	Not Reported	DATEUPDATE:	Not Reported
DATARELIABILITY:	LOCATION MAY NOT BE ACCURATE (WWI paper)		
SOURCE DEPTH DATA:	DRILLER'S RECORD		
MUNICIPALITY:	SPRING TWP.		
LATITUDEDD:	40.32944		
LONGITUDEDD:	-75.96583		
DEPTHTOBED:	154		
DATEDRILLE:	Not Reported		
PAGWIS ID:	61324		

Construction Information:

Construction Date:	01/01/1968 00:00:00
Driller:	0332
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:	40	Casing Diameter:	6
Casing:	Not Reported		

Geohydrologic Information:

A A P G:	1		
Lithology:	Not Reported		
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:	EDGAR EDWARD
Date Ownership:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: PA Radon

Test Result Statistics

Zip	Total Sites	Min pCi/L	Max pCi/L	Avg pCi/L
19611	86	.2	51.4	5.7

EPA Region 3 Statistical Summary Readings for Zip Code: 19611

Number of sites tested: 113.

Maximum Radon Level: 76.2 pCi/L.

Minimum Radon Level: 0.2 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
59 (52.21%)	31 (27.43%)	14 (12.39%)	6 (5.31%)	3 (2.65%)	0 (0.00%)

Federal EPA Radon Zone for BERKS County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation 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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Pennsylvania 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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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EDR® Environmental
Data Resources Inc

EDR Site Report™

**USN RESERVE CENTER READING
USN RESERVE CENTER READING
READING, PA**

Inquiry Number:

October 19, 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

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary Page 3

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports Page 4

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information. Page 5

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 USN RESERVE CENTER READING USN RESERVE CENTER READING READING, PA EDR ID #90180416
AREA	
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	YES - p4
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

USN RESERVE CENTER READING
USN RESERVE CENTER READING
READING, PA
EDR ID #90180416

Site ID: 90180416
Site Location: USN RESERVE CENTER READING
READING, PA
LANCASTER County

Report No: 39740
Spill Date: 09/17/1990
Medium Desc: Land
Evacuation: Yes
Fatalities: None
Disch Org: USN
Disch Add: NAVAL RESERVE CENTER REGION 4 BLDG 662
Disch City: PHILADELPHIA
Disch ST: PA
Disch Zip: 19112
Disch County: Not reported
C.G. Unit: Not reported
Cause: Not reported

EPA Region: 03
Spill Time: 14:00
Damage/Amt: Yes / \$0.00
Injured: None
Notes: CONCRETE

Spilled Material	Total Qty	In Water	Undot	Cas	Qty
HYDRAULIC OIL	40.00 GAL	0.00 NON	Not reported	Not reported	334.00 lbs.

Description: BROKEN HYDRAULIC LINE ON TRUCK
Location: USN RESERVE CENTER READING
Action: USED SORBENT
Comments: Not reported

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRA: Resource Conservation and Recovery Act Information

Source: EPA

Telephone: 800-424-9346

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
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/28/2006
Date of Next Scheduled Update: 11/20/2006

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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
Database Release Frequency: Biennially

Date of Last EDR Contact: 10/06/2006
Date of Next Scheduled Update: 12/11/2006

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

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
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/05/2006
Date of Next Scheduled Update: 12/04/2006

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/05/2006
Date of Next Scheduled Update: 12/04/2006

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-566-0500

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
Database Release Frequency: Annually

Date of Last EDR Contact: 08/09/2006
Date of Next Scheduled Update: 11/06/2006

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

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
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/02/2006
Date of Next Scheduled Update: 01/01/2007

PA AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks

Source: Department of Environmental Protection
Telephone: 717-772-5599

Registered Aboveground Storage Tanks.

Date of Government Version: 06/01/2006
Database Release Frequency: Varies

Date of Last EDR Contact: 10/12/2006
Date of Next Scheduled Update: 01/08/2007

PA UST: Listing of Pennsylvania Regulated Underground Storage Tanks

Source: Department of Environmental Protection
Telephone: 717-772-5599

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
Database Release Frequency: Varies

Date of Last EDR Contact: 10/12/2006
Date of Next Scheduled Update: 01/08/2007

PA LUST: Storage Tank Release Sites

Source: Department of Environmental Protection
Telephone: 717-783-7509

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
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/12/2006
Date of Next Scheduled Update: 01/08/2007

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342

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

Date of Government Version: 12/31/2005
Database Release Frequency: Annually

Date of Last EDR Contact: 07/25/2006
Date of Next Scheduled Update: 10/23/2006

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4555

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

Date of Government Version: 07/03/2006
Database Release Frequency: Annually

Date of Last EDR Contact: 10/18/2006
Date of Next Scheduled Update: 01/15/2007

WASTE DISPOSAL

NPL: National Priority List

Source: EPA
Telephone: Not reported

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
Date Made Active at EDR: 09/12/2006
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/02/2006
Elapsed ASTM Days: 41
Date of Last EDR Contact: 08/02/2006

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: Not reported

Date of Government Version: 07/05/2006
Date Made Active at EDR: 09/12/2006
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/02/2006
Elapsed ASTM Days: 41
Date of Last EDR Contact: 08/02/2006

DELISTED NPL: National Priority List Deletions

Source: EPA

Telephone: Not reported

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
Date Made Active at EDR: 09/12/2006
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/02/2006
Elapsed ASTM Days: 41
Date of Last EDR Contact: 08/02/2006

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-603-8960

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 Made Active at EDR: 08/23/2006
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/22/2006
Elapsed ASTM Days: 62
Date of Last EDR Contact: 09/21/2006

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-603-8960

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
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/18/2006
Date of Next Scheduled Update: 12/18/2006

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

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
Database Release Frequency: Annually

Date of Last EDR Contact: 10/02/2006
Date of Next Scheduled Update: 01/01/2007

NPL RECOVERY: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

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 Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 08/21/2006

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

PA SHWS: Hazardous Sites Cleanup Act Site List

Source: Department Environmental Protection
Telephone: 717-783-7816

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
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/18/2006
Date of Next Scheduled Update: 11/13/2006

PA SWF/LF: Operating Facilities

Source: Department of Environmental Protection
Telephone: 717-787-7564

Date of Government Version: 03/15/2006
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/21/2006
Date of Next Scheduled Update: 12/18/2006

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-566-0250

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
Database Release Frequency: Annually

Date of Last EDR Contact: 09/22/2006
Date of Next Scheduled Update: 12/18/2006

SSTS: Section 7 Tracking Systems

Source: EPA
Telephone: 202-564-4203

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
Database Release Frequency: Annually

Date of Last EDR Contact: 10/16/2006
Date of Next Scheduled Update: 01/15/2007

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

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
Database Release Frequency: N/A

Date of Last EDR Contact: 10/18/2006
Date of Next Scheduled Update: 01/15/2007

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667

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
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/18/2006
Date of Next Scheduled Update: 12/18/2006

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-566-1667

Date of Government Version: 07/14/2006
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/18/2006
Date of Next Scheduled Update: 12/18/2006

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

FINDS: Facility Index System/Facility Registry System

Source: EPA

Telephone: Not reported

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

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/02/2006

Date of Next Scheduled Update: 01/01/2007

RMP: Risk Management Plans

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 06/01/2006

Database Release Frequency: Varies

Date of Last EDR Contact: 08/21/2006

Date of Next Scheduled Update: 11/20/2006

STORMWATER: Storm Water General Permits

Source: Environmental Protection Agency

Telephone: 202-564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005

Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/06/2006

Date of Next Scheduled Update: 01/01/2007

US ENG CONTROLS: Engineering Controls Sites List

Source: Environmental Protection Agency

Telephone: 703-603-8905

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

Database Release Frequency: Varies

Date of Last EDR Contact: 09/07/2006

Date of Next Scheduled Update: 10/02/2006

US INST CONTROL: Sites with Institutional Controls

Source: Environmental Protection Agency

Telephone: 703-603-8905

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

Database Release Frequency: Varies

Date of Last EDR Contact: 09/07/2006

Date of Next Scheduled Update: 10/02/2006

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

Source: EPA Region 1

Telephone: 617-918-1313

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006

Database Release Frequency: Varies

Date of Last EDR Contact: 08/21/2006

Date of Next Scheduled Update: 11/20/2006

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

PA HSCA: HSCA Remedial Sites Listing

Source: Department of Environmental Protection
Telephone: 717-783-7816

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
Database Release Frequency: Varies

Date of Last EDR Contact: 08/16/2006
Date of Next Scheduled Update: 11/13/2006

PA HIST LF: Abandoned Landfill Inventory

Source: Department of Environmental Protection
Telephone: 717-787-7564

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
Database Release Frequency: Varies

Date of Last EDR Contact: 09/18/2006
Date of Next Scheduled Update: 12/18/2006

PA UNREG LTANKS: Unregulated Tank Cases

Source: Department of Environmental Protection
Telephone: 717-783-7509

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/14/2003
Date of Next Scheduled Update: Not reported

PA ARCHIVE UST: Archived Underground Storage Tank Sites

Source: Department of Environmental Protection
Telephone: 717-772-5599

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
Database Release Frequency: Varies

Date of Last EDR Contact: 10/12/2006
Date of Next Scheduled Update: 01/08/2007

PA ARCHIVE AST: Archived Aboveground Storage Tank Sites

Source: Department of Environmental Protection
Telephone: 717-772-5599

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
Database Release Frequency: Varies

Date of Last EDR Contact: 10/12/2006
Date of Next Scheduled Update: 01/08/2007

PA MANIFEST: Manifest Information

Source: Department of Environmental Protection
Telephone: Not reported

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Database Release Frequency: Annually

Date of Last EDR Contact: 09/11/2006
Date of Next Scheduled Update: 12/11/2006

PA ACT 2-DEED: Act 2-Deed Acknowledgment Sites

Source: Department of Environmental Protection
Telephone: 717-783-9470

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
Database Release Frequency: Varies

Date of Last EDR Contact: 09/11/2006
Date of Next Scheduled Update: 11/13/2006

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

PA ENG CONTROLS: Engineering Controls Site Listing

Source: Department of Environmental Protection
Telephone: 717-783-9470

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
Database Release Frequency: Varies

Date of Last EDR Contact: 08/16/2006
Date of Next Scheduled Update: 11/13/2006

PA INST CONTROL: Institutional Controls Site Listing

Source: Department of Environmental Protection
Telephone: 717-783-9470

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
Database Release Frequency: Varies

Date of Last EDR Contact: 08/16/2006
Date of Next Scheduled Update: 11/13/2006

PA VCP: Voluntary Cleanup Program Sites

Source: Department of Environmental Protection
Telephone: 717-783-2388

Sites involved in the Voluntary Cleanup Program

Date of Government Version: 09/19/2006
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/11/2006
Date of Next Scheduled Update: 11/13/2006

PA DRYCLEANERS: Drycleaner Facility Locations

Source: Department of Environmental Protection
Telephone: 717-787-9702

A listing of drycleaner facility locations.

Date of Government Version: 07/20/2006
Database Release Frequency: Varies

Date of Last EDR Contact: 10/16/2006
Date of Next Scheduled Update: 01/15/2007

PA BROWNFIELDS: Brownfields Sites

Source: Department of Environmental Protection
Telephone: 717-783-7509

Date of Government Version: 09/13/2006
Database Release Frequency: Varies

Date of Last EDR Contact: 09/11/2006
Date of Next Scheduled Update: 11/13/2006

PA AIRS: Permit and Emissions Inventory Data

Source: Department of Environmental Protection
Telephone: 717-787-9702

Permit and emissions inventory data.

Date of Government Version: 12/31/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 07/24/2006
Date of Next Scheduled Update: 10/23/2006

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties

Source: EPA
Telephone: 202-564-6064

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/02/2006
Date of Next Scheduled Update: 01/01/2007

WHILE YOU WERE OUT

FOR <u>UMB</u>	DATE <u>2-24</u>	TIME <u>9</u>	<u>A.M.</u> P.M.
M. <u>Scott Berry</u>			
OF <u>Direct Env.</u>			
PHONE <u>558 9200</u>			
AREA CODE	NUMBER	EXTENSION	
MESSAGE <u>Naval Reserve project had been scheduled for Jan 94 / due to weather conditions it has not occurred</u>			
SIGNED	TOPS FORM 4008		

<input checked="" type="checkbox"/>	PHONED
<input checked="" type="checkbox"/>	RETURNED YOUR CALL
<input type="checkbox"/>	PLEASE CALL
<input type="checkbox"/>	WILL CALL AGAIN
<input type="checkbox"/>	CAME TO SEE YOU
<input type="checkbox"/>	WANTS TO SEE YOU

DATE: 11-3-93 FEE: \$50.00 PERMIT NO. 432-0615-0

LOCATION: NAVAL RESERVE CENTER
615 KENHORST BLVD. READING, PA.

This permit does not take the place of any license required by law and is not transferable. Any change in the use of occupancy of premises shall require a new permit.

REMOVAL OF ONE (1) 10,000 GAL. UNDERGROUND STORAGE TANK WHICH CONTAINED NO. 2 FUELOIL (DER ID NO. 063158)



DIRECT ENVIRONMENTAL INC. PHONE: (717) 558-9200
4400 LEWIS ROAD
SUITE E-1
HARRISBURG, PA. 17111

VALID FOR ONE YEAR
THIS PERMIT MUST AT ALL TIMES BE KEPT POSTED ON THE PREMISES MENTIONED ABOVE

Dolores A. Lorain
DOLORES A. LORAIN
FIRE MARSHAL

FIRE PREVENTION CODE PERMIT

PERMIT NO. 432-0615-0
DATE: 11-3-93
FEE: \$50.00



CITY OF READING

01-320-362000
CODE 0132700

THE FIRE MARSHAL'S OFFICE (215)655-6041 SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF REMOVAL.

USTIF COMMERCIAL HEATING OIL TANK "OPT-IN" FORM

Commonwealth of Pennsylvania
 UST Indemnification Fund
 901 N Seventh St
 Harrisburg PA 17102-1414

Owner/Operator Address/ID#: 000000012923
 NAVAL & MARINE CORPS RESERVE CENTER
 615 KENHORST BLVD
 READING, PA. 19611-1717

Facility Address/ID#: 060000031581
 NAVAL & MARINE CORPS RESERVE CENTER
 615 KENHORST BLVD
 READING, PA. 19611-1717

Instructions

1. Review the information in the blocks above and in Block 2 for accuracy. If any information is incorrect, cross through the incorrect information and legibly write in the correct information below it.
2. In Block 1, put a mark in the box, to indicate your decision to Opt-In to the USTIF. If you choose not to continue coverage no action is required on your part and you may discard this form.
3. Date and sign this form in Block 3. We recommend you make a copy of the completed form for your records.
4. Return the form using the enclosed return envelope.

Block 1

I choose to OPT-IN to the USTIF.

Block 2 - Tank Information

<u>Tank #</u>	<u>Product</u>	<u>Capacity</u>	<u>Type Facility</u>
071309-0001	HEATING OIL	8,000	FED/NONMILITARY

This tank was removed in October 1994. Please remove it from your database.

Block 3 I certify the information provided is true and correct to the best of my knowledge.


 Owner/Operator SIGNATURE J. P. FORD, LCDR, USNR
 COMMANDING OFFICER
 615 KENHORST BLVD
 READING, PA 19611-1717

23 AUG 95
 DATE



DEPARTMENT OF THE NAVY
 NAVAL RESERVE READINESS COMMAND REGION FOUR
 BLDG 662 NAVAL BASE
 PHILADELPHIA PENNSYLVANIA 19112

IN REPLY REFER TO

11000
 Ser 08/197
 APR 27 1992

From: Commander, Naval Reserve Readiness Command Region Four
 To: Commanding Officer, Northern Division, Naval Facilities
 Engineering Command, Code 09A Attn: Jessie Merrill

Subj: ADDITION OF UNDERGROUND STORAGE TANK TO SPECIAL PROJECT
 R17-89 FOR THE NMCRC READING, PA

Ref: (a) PHONCON NRRC Mr. A. Santoro/NRF Mr. W. Lloyd of
 24 Apr 92

Encl: (1) Cost estimate for removal of UST

1. As discussed in reference (a), please add the removal of one
 8,000 gallon underground storage tank at NMCRC Reading, PA to
 Special Project R17-89. The ECC for removal of tank is shown on
 enclosure (1).

2. Cancel ESR 68331-9173 - UST drawing package for removal of UST
 at NMCRC Reading. Work will be included in Special Project
 R17-89.

3. For additional information, please contact Mr. A. Santoro or
 Mr. T. Stepsis at (215) 897-5780 or DSN 443-5780.

A. Santoro
 MR. A. SANTORO
 By Direction

Copy to:

→ CO, NMCRC Reading, PA
 COMNAVRESFOR (Code 08)



CO	<i>[initials]</i>
XO	<i>[initials]</i>
LCPO	
LFO	
O1A	
O1A1	
O2	
O3	
O31	
O32	
O5	
O7	
RUCO	
RUXO	
CMC	

A - ACTION
 I - INFO
 R - RETAIN
 C - COPY TO

FY 92 AIS Line Item 18
 (no cost escalation)



EADS Division

1126 Eighth Avenue
P.O. Box 1887
Altoona, Pennsylvania 16603
(814) 944-5035

ENGINEERS-ARCHITECTS-SURVEYORS

March 1, 1990

Contract N62472-87-D-1321

LCDR H.A. O'Hare
Naval and Marine Corps Reserve Center
615 Kenhorst Blvd.
Reading, PA 19611-1717



Dear Sir:

EADS is providing the Architect-Engineer Services for the removal/replacement of the Underground Storage Tanks (UST's) for the Northern Division Naval Facilities, and it will be necessary for our project engineers to visit your facilities prior to beginning the project.

The following two (2) employees, Roy E. Bookhammer and Scott J. McEldowney are scheduled to visit the week of March 19, 1990. A definite date and time will be arranged with you by telephone at the earliest possible date.

We will require the following materials for the visit and would appreciate your help in providing us with them:

1. Site/Equipment Plans/As Built Drawings -
2. Underground Storage Tank Registration -
3. Utility Plans -
4. Federal ID #'s for tanks -

- PA-1700-24160

We will be in touch with you in the near future to verify date and time of our visit and to obtain directions to your facility.

We appreciate your cooperation in this matter and look forward to working with you.

Sincerely

Richard L. McEldowney
Project Coordinator

RLM/cak

UST File



EADS Division

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Sincerely

Richard L. McEldowney
Project Coordinator

RLM/cak

MAR 1990
RECEIVED

The work consists of removing and replacing the existing underground 8000 gallon fuel oil tank, fuel oil handling system and associated gauge system. Replace the existing tank with a 4000 gallon double hulled fiberglass tank with a leak detection system. Provide a new fuel oil handling system which consist of new supply and return lines to the new tank, a new fuel oil pump to supply the existing Iron Fireman burner on the existing boiler. Provide a new gauge system to the new tank.

Removals: 8000 Gallon Tank

Excavation 100CY at 105/CY = 10500
Removal mechanical heavy 4 tons @ 480/ton 1920

Fuel Lines

Excavation 8" trench 36" deep 1.04/LF for 50LF = 52
Backfill 8" trench 36" deep 1.96/LF for 50LF = 98

4000 Gallon Tank

Tank	3600
Manway, fittings and hold downs (3600x.35)	1260
Backfill 2' 40CY x 14.82/CY	3557

Paving

Base 100 SY at 1.06/SY	106
Finish 100 SY at 6.00/SY	600

Gauge system	1500
Fuel handling system	
pump	845
piping	1320
fittings	1980
leak detector system	2500

Subtotal:	29,833
OH&P	4,476
TOTAL	34,314

UST file



EADS Division
 1126 Eighth Avenue
 P.O. Box 1887
 Altoona, Pennsylvania 16603
 (814) 944-5035

ENGINEERS-ARCHITECTS-SURVEYORS

March 1, 1990

Contract N62472-87-D-1321

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 Naval and Marine Corps Reserve Center
 615 Kenhorst Blvd.
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- PA-1700-24160

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 your visit and to obtain directions to your facility.

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 with you.

Sincerely

Scott J. McEldowney

Scott J. McEldowney
 Project Coordinator

mak

gallon
 the
 section
 of return
 burner

MAR 1990
 RECEIVED



EADS
 Division
 (814) 944-5035

RESOURCES REQUEST
 NAVRES 4790/20 (Rev. 6-78) S/N 0117-LF-0474

FROM (Activity)
 NAVMARCORESCEN, READING, PA 19

Electronic Maint. Assistance Facilities

Project Title (Name, Description and Serial Number)
 REPLACE FUEL OIL TANK AND HAND

Requirement (Complete Description of Existing Conditions)
 REPLACE THE EXISTING UNDERGROUND 8000 GALLON FUEL OIL TANK AND FUEL OIL HANDLING SYSTEMS

WITH A NEW DOUBLE HULLED 4000 GALLON TANK WITH A LEAK DETECTOR SYSTEM AND A NEW FUEL OIL
 HANDLING SYSTEMS.

ENGINEERS-ARCHITECTS-SURVEYORS

Roy E. Bookhammer

1126 Eighth Ave. P.O. Box 1887 Altoona, PA 16603

DATE
 13SEP89

Justification (Impact if Deferred or not Approved)

THE EXISTING 8000 GALLON FUEL OIL TANK AND FUEL OIL HANDLING SYSTEMS ARE 30 YEARS OLD AND
 SHOW EXCESSIVE CORROSION. EXISTING TANK DOES NOT COMPLY WITH CURRENT PENNSYLVANIA EPA
 REQUIREMENTS FOR UNDERGROUND TANKS. THE TANK IS SINGLE HULLED AND WITHOUT A LEAK
 DETECTOR SYSTEM.

Proposed Method of Accomplishment
 Station Force Civilian Contractor Other (Specify)

Encls. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Similar Req. Prev. Submitted? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Annual Insp. Item? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Est. Cost 35,000	Est. Basis GOVT	Signature of Commanding Officer <i>[Signature]</i>
--	---	--	---------------------	--------------------	---

ACTION TAKEN BY NAVRESREDCOM

Approved Deferred Disapproved Returned for Amplifying Data

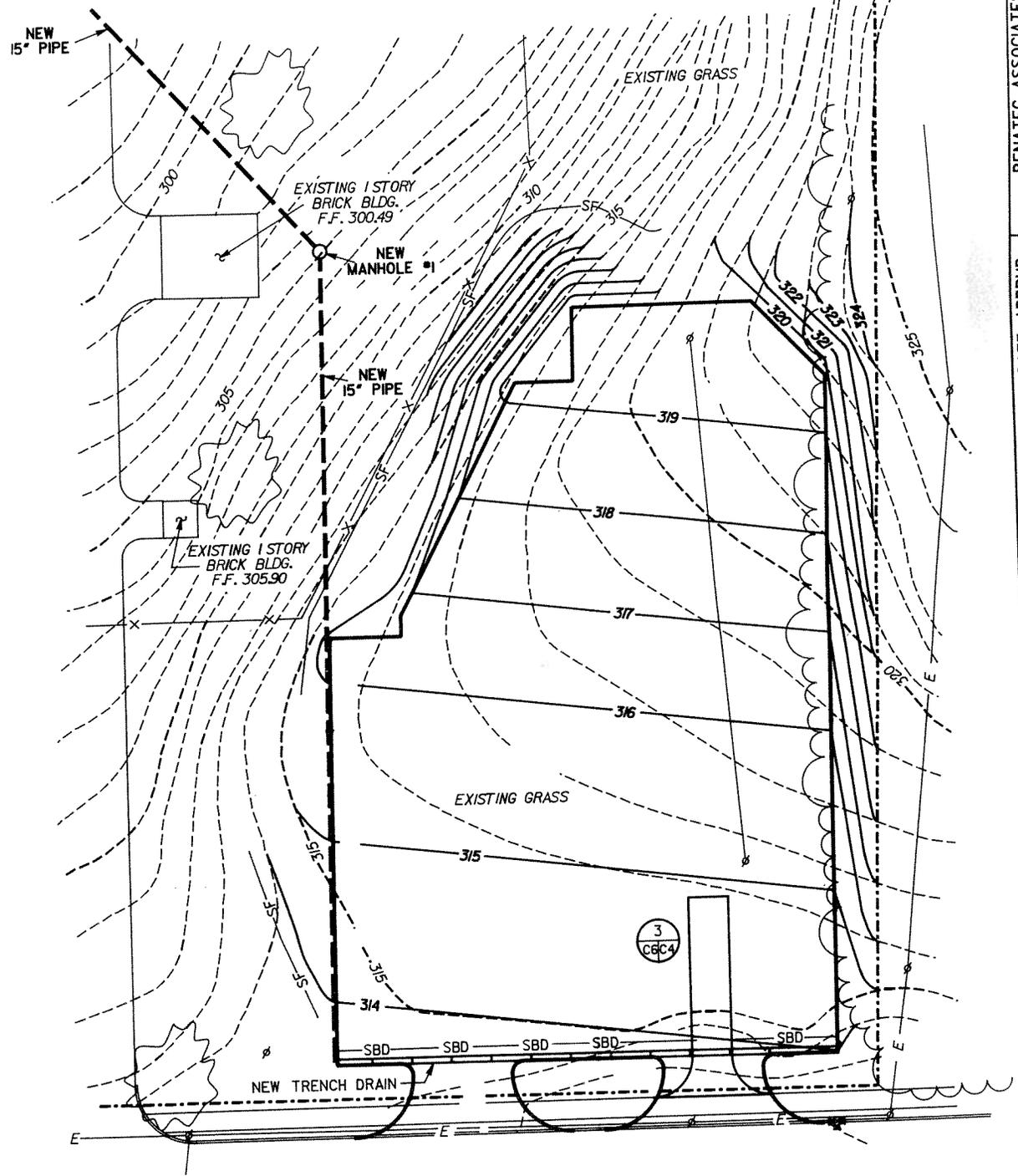
Forwarded (w/Cy to Orig.) To (Originator, if not forwarded to another command)

Project No. Programmed for Quarter Indicated
 1st 2nd 3rd 4th Unprogrammed FY

Remarks:

Signature (NAVRESREDCOM) NAVRESREDCOM REGION/ADDRESS Date

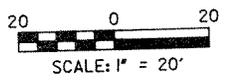
TYPE "D"
WALL
288
15" PIPES
LIMIT OF
PAVEMENT
REMOVAL



PARKING LOT DETAIL
65 SPACES

LEGEND

-  STABILIZED CONSTRUCTION ENTRANCE
- SBD— STRAW BALE DIKE
- SF— SILT FENCE



EROSION AND SEDIMENTATION CONTROL PLAN

UST file
1062

290.05
HOLE #2
290.15

6/30/95

02 OCT 1990

ENVIRONMENTAL AND NATURAL RESOURCES PROGRAM CHECKLIST

COMMANDING OFFICERS OF SHORE ACTIVITIES

	YES	NO
<u>General Policies and Responsibilities</u>		
1. Has the activity adhered to the policies promulgated in OPNAVINST 5090.1A 1A <i>B</i> (1-6.8a)	X	
2. Has the activity cooperated with Federal, state, and local regulatory agencies and complied with applicable substantive and procedural requirements established by such agencies? (1-6.8b)	X	
3. Has the activity coordinated important environmental and natural resources matters, especially violations, agreements and permit conditions, with EFDs, major claimants, and regional environmental coordinators? (1-6.8c)	X	No Violations or Regulatory Problems
4. Has the activity submitted nominations for the CNO Environmental Quality and Natural Resources Conservation Awards? (1-6.8d)		X
5. Has the activity ensured that environmental compliance requirements are integrated into all levels of activity management? (1-6.8e)	N/A	
6. Has the host activity applied for all Federal, state, and local permits necessary, complied with permit terms/ conditions and coordinated permit conditions with all affected tenant commands? (1-6.8f)	X	STORAGE TANK REMOVAL HAD PERMIT TO REMOVE
7. Has the activity responded to NONs, NOVs, warning letters, warning notices, citizen suits, consent orders or any other written or oral notice of deficiencies with Federal, state, interstate, or local laws and regulations per the procedures of OPNAVINST 5090.1A Appendix C? (1-5.8)	N/A	
8. When access was permitted for environmental regulatory officials to visit Navy shore facilities or ships, were security arrangements worked out pursuant to OPNAVINST 5510.1H (NOTAL)? (1-5.10a)	N/A	
9. Before allowing an environmental regulatory official access to a classified work-site, were other non-classified alternatives suggested? (1-5.10d)	N/A	

02 OCT 1990

	YES	NO
<u>Environmental Program Management and Organization</u>		
10. Were all new environmental positions/agreements likely to set precedent immediately sent to CNO (OP-45)? (2-5.2)	N/A	
11. Has the activity coordinated important environmental matters with major claimants, regional area coordinators, and EFDs? (2-6.13a)	X	JMRP DOES ALL DISPOSAL NORTH DIV DID TRUNK REMOVAL
12. Has the activity certified and signed all required environmental permits? (2-6.13b)	N/A	
13. Has the activity immediately advised the major claimant of any proposal or requirement with potential to adversely affect the activity mission, with information copies to the chain of command? (2-6.13c)	X	SUBMITTED IN BUDGET FOR WASH STATION
14. Has the activity ensured that host/tenant agreements exist which define roles and responsibilities with respect to environmental compliance (including permit conditions) and, and, where applicable, established environmental compliance boards of host and tenant management personnel? (2-6.13d)	X	MARINE CORPS ACTIVITY IS TENANT COMMAND
<u>Funding Environmental Compliance</u>		
15. Has the activity planned, programmed, and budgeted for routine, recurring environmental compliance costs via appropriate claimants? (3-6.6a)	X	WASTE OIL PICKED BY COMPANY IN BAYBETOWN INSTALLATION OF WATER/OIL SEPARATORS
16. Has the activity ensured all nonrecurring, non-routine environmental compliance requirements, including those funded with activity funds are forwarded to NAVFACENCOM via EFDs in the form of project exhibits? (3-6.6b)	X	HAZZLESTOWN OIL SALVAGE SAME AS #15
<u>Environmental Compliance Evaluations Ashore</u>		
17. Has the activity performed annual self ECEs unless exempted by a risk survey approved by the EFD and claimant? (4-6.5a)	X	
18. Based on ECEs, and other information, has the activity developed and executed plans of action for achieving compliance? (4-6.5b)	X	NORTH DIV DID ALL PLANNING & BUDGETING FOR TRUNK REMOVAL
19. Has the activity ensured that environmental compliance is a factor in the performance evaluations of appropriate personnel? (4-6.5c)	X	HML AND VTO CO HAVE ITEMS LISTED IN FITREP/EVALS

02 OCT 1990

	YES	NO
<u>Procedures For Implementing The National Environmental Policy Act (NEPA)</u>		
20. Have all appropriate proposed actions at the initial planning stage been reviewed for their potential environmental impacts? (5-6.3b)	X	NOTIFIED DOES ALL PLANNING FOR ENVIRONMENTAL ACTIONS
21. At the early stages of (proposed) environmental problems have Federal, state agencies, and affected citizens been coordinated with? (5-6.3b)	X	NOTIFIED EPA & DA DEI
22. Has OP-44E been sent appropriate NEPA documentation? (5-6.3c)	X	PCB REPORT OZONE DEPLETING SUBSTANCES
23. Have all FONSI/ROD action items been thoroughly resolved? (5-6.3d)	N/A	REPORT SOLID WASTE HAZARDOUS WASTE ANNUAL REPORT SENT TO RED COM & PORT HUEN
24. Have all means possible been used to instill a sense of environmental responsibility and awareness among personnel to implement the spirit of NEPA? (5-6.3f)	X	ENVIRON & HAZMAT INSTRUCTIONS
<u>Pollution Prevention Ashore</u>		
25. Has the activity identified and submitted environmental compliance projects, required to bring air sources into compliance? (6-6.4a)	NA	
26. Has the activity signed applications for permits related to demolition, preconstruction, and construction phases of projects? (6-6.4b)	N/A	
27. Has the activity budgeted sufficient resources to maintain and demonstrate compliance, including all routine air monitoring and scheduled sampling or testing, and notified state and local authorities of all instances of noncompliance? (6-6.4c)	N/A	RESOURCES ARE AVAILABLE IF NEEDED
28. Has the activity submitted, via the chain of command, to CNO (OP-45) all instances in which compliance with fuel standards has been impractical? (6-6.4d)	N/A	
29. Has the activity maintained current records of physical, operational, and emission characteristics of air sources? (6-6.4e)	N/A	

MARINE TRUCKS EXEMPT COMBAT VEHICLES BLOWER IS BELOW REQMT FOR REPORTING

02 OCT 1990

	YES	NO
30. Has the activity ensured the development of air episode plans as required, and provided copies of plans to the cognizant EFD and regional environmental coordinators? (6-6.4f)	N/A	
31. In episode areas, has the activity cooperated with the Navy air pollution episode coordinator, EPA, and state and local air pollution control authorities in the execution of air episode plans? (6-6.4g)	N/A	
32. Has the activity ensured that motor vehicles and other mobile sources comply with applicable emission standards and other requirements? (6-6.4h)	X	VANS MEET STATE VEHICLE INSPECTION STANDARDS
33. Has the activity developed and implemented transportation control measures as required by state implementation plans? (6-6.4i)	N/A	
34. Has the activity implemented, as an adjunct to routine vehicle maintenance programs, vehicle emissions I/M programs, as required, and ensured that corrective maintenance necessary for compliance with emission standards is performed prior to returning vehicles to service? (6-6.4j)	N/A	VEHICLE STATE INSPECTION STANDARDS
35. Has the activity implemented and maintained proper adjustments in stationary heating and power plant operations to reduce total emissions? (6-6.4k)	X	EVERY YEAR PERFORM INSPECTION BY NORTHADW
36. Has the activity ensured radon detectors are properly installed in housing units and occupied structures per NAVFACENGCOCM guidance? (6-6.4l)	X	ENTIRE BLDG SURV SEVERAL HIGH READINGS IN LOWER LEVEL
37. Has the activity implemented appropriate radon mitigation actions for structures with radon level over 4 pc/l? (6-6.4m)	X	NORTHADIV HAS A PROPOSED VENTILAT. PLAN FOR LOWER LEVELS
38. Has the activity followed all applicable requirements if open burning was conducted? (6-5.3.2)	N/A	
<u>Water Pollution Prevention Ashore</u>		
39. Has the activity reviewed and signed all applications for permits to construct wastewater treatment facilities; and obtained, renewed, and paid for all recurring discharge permits? (7-6.2a)	N/A	

02 OCT 1990

	YES	NO
40. Has the activity provided the resources for operation performance monitoring, sampling, and testing, as well as for maintaining and demonstrating compliance with permit and pretreatment requirements and maintained records of all monitoring information? (7-6.2b)	N/A	
41. If discharging to a POTW or NOTW, has the activity:		
a. Complied with all applicable pretreatment requirements?	N/A	
b. Notified operators of treatment works of any changes to discharges or accidental discharges of pollutants? (7-6.2c)	N/A	
42. If responsible for operation of a NOTW, IWTP, or IWPP, has the activity:		
a. Notified the cognizant permitting agency of any changes in wastewater influent that may affect the ability of the plant to comply with applicable discharge requirements?	N/A	
b. Provided resources (tuition, travel, per diem) for training operators of treatment works and ensure compliance with applicable state certification requirements?	N/A	
c. Operated and maintained treatment works to ensure effluent discharges comply with applicable permit requirements?	N/A	
d. Developed pretreatment programs to control all industrial discharges to a NOTW? (7-6.2d)	N/A	
43. Has the activity identified and submitted environmental compliance projects, per OPNAVINST 5090.1A, required to bring wastewater sources into compliance with applicable non-routine, nonrecurring requirements? (7-6.2e)	N/A	
44. Has the activity obtained all necessary in-water construction permits? (7-6.2f)	N/A	

02 OCT 1990

	YES	NO
<u>Drinking Water Systems and Water Conservation</u>		
45. Has the activity budgeted sufficient resources for recurring, routine operations, maintenance, and repair of drinking water systems in compliance with applicable standards, sampling/monitoring, reporting, recordkeeping, and other substantive and administrative requirements, including BUMED requirements? (8-6.4a)	N/A	SUPPLIED MUNICIPAL WATER SUPPLIES
46. Has the activity complied with EPA, state, and local drinking water requirements and with BUMED drinking water quality requirements overseas? (8-6.4b)	N/A	
47. Have the various uses of water at the activity been reviewed to ensure that all economically practical water conservation measures have been taken? (8-6.4c)	X	WATER LEAKAGE IS PROMPTLY REPAIRED WATER USED FOR MUNICIPAL SANITARY & DRINKING PURPOSES ONLY
48. Has the activity provided for the proper operation and maintenance of water meters, water saving devices, water reuse/recycle systems, and backflow protection devices? (8-6.4d)	N/A	
49. Have resources (tuition, travel, per diem) for training operators of public water systems been provided and has compliance with applicable state certification requirements been ensured? (8-6.4e)	N/A	
50. Has the activity identified and submitted compliance projects per OPNAVINST 5090.1A, for non-routine, nonrecurring requirements? (8-6.4f)	N/A	
51. Have drinking water outlets at the activity been sampled and the results reported to the cognizant EFD? (8-6.4g)	X	ALL DRINKING FOUNTAINS CHECKED FOR Pb CONTAMINATION ON 9/9/93
52. Has the activity notified personnel in priority areas of lead testing results? (8-6.4h)	N/A	
53. Has the activity implemented lead mitigation measures, where appropriate? (8-6.4i)	N/A	
54. Has the activity ensured that plumbing repairs made to activity drinking water systems use lead free materials? (8-6.4j)	X	ALL NEW POTABLE WATER LINES INSTALLED NO LEAD MATERIALS WERE USED BUILDING INSPEC

CS

02 OCT 1990

	YES	NO
<u>Hazardous Waste and PCB Management Ashore</u>		
55. Has the activity ensured that contractors performing work for the Navy on Navy property comply with all applicable HW and PCB requirements? (9-5.2)	X	ALL HW/SOLID WASTE HANDLED BY WORTHOLY
56. If the activity generates HW, has it included in its written plans and procedures for the HMC&M Program, designation of an appropriate responsible action official for HW and HAZMIN? (9-6.6a)	X	HMI CARROL DESIGNATED WRITTEN SPEC PLAN
57. Has the activity determined, evaluated, and complied with applicable Federal, state, and local HW laws and regulations? (9-6.6b)	X	HAZMAT PA DER INSTRUMENT INSPECTED ONE TIME - NOT REGULATED
58. Has the activity developed a HW management/HAZMIN plan, including a POA&M for implementation of HAZMIN to each waste stream, and incorporated the plan in the overall HMC&M plan required by OPNAVINST 4110.2 (NOTAL)? (9-6.6c)	X N/A	NO WASTES ARE HAZARDOUS HAZMAT INST
59. Has the activity signed and submitted, as appropriate, reports and other required data to EPA, state, or local agencies? (9-6.6d)	N/A	NOT REQUIRED TO SUB
60. Has the activity submitted an annual Navy HW report per the policy in OPNAVINST 5090.1A and procedures published by NEESA? (9-6.6e)	X	12/27/94 REPORT SUBMITTED TO PORT HUENEME
61. Has the activity budgeted and funded the operation and maintenance of facilities and equipment necessary to handle, store, transport, treat, and dispose of Navy HW per applicable Federal, state, and local requirements? (9-6.6f)	N/A	WASTE PAINT DISPOSED THROUGH DRMO
62. Has the activity trained personnel involved in HW operations per applicable Federal and state requirements? (9-6.6g)	N/A	
63. Has the activity transferred accountability and custody of PCBs and PCB items stored for disposal to DRMO, insofar as possible? (9-6.6h)	N/A	
64. Has the activity handled, stored, marked, inspected, and assessed risks of PCBs and PCB items according to applicable Federal or state regulations? (9-6.6i)	N/A	

02 OCT 1990

	YES	NO
65. Has the activity, with regard to PCB transformers and PCB contaminated transformers:	N/A	
a. Inspected for PCB leaks?		
b. Repaired all leaks?		
c. Maintained records?		
d. Provide notification to EPA? (9-6.6i)		
66. For PCBs:	N/A	
a. Have all PCBs and PCB items, per procedures published by NEESA and as required by regulatory agencies, been annually inventoried and validated?		
b. Has the inventory been used to maintain required annual records and the annual document log?		
c. Have reports been maintained at the activity for at least three years? (9-6.6j)		
67. Has the activity reported PCB spills or incidents involving combustion as prescribed in OPNAVINST 5090.1A when the spill exceeds the reportable quantities established in Federal regulations? (9-6.6k)	N/A	
68. Has the activity registered all PCB transformers and equipment with cognizant fire departments? (9-6.6l)	N/A	
69. Has the activity PCB elimination plan been prepared, updated, and submitted to the major claimant, via the cognizant NAVFACENCOM EFD, for review and approval? (9-6.6m)	N/A	
70. Has the activity established and implemented procedures to ensure compliance with EPCRA requirements? (9-6.6n)	N/A	
71. Has the activity, if assigned to receive HMTIS, HMTID, and HW from ships and other shore activities, provided accessible facilities to receive the HW and to store it per applicable EPA and/or state regulations until the material is disposed or transferred to DLA? (9-6.7)	N/A	
<u>Solid Waste Management and Resource Recovery Ashore</u>		
72. Has the activity complied with any applicable state or local beverage container laws? (10-5.5.3)	X	CANS TAKEN TO LOCAL RECYCLING CENTER - CARDBOARD ALSO

02 OCT 1994

	YES	NO
73. For any landfill located on the activity, does it conform to the most stringent applicable Federal, state, or local standards and requirements? (10-5.6.1)	N/A	
74. Has the activity developed solid waste management plans, including source reduction and recycling programs and resource recovery facilities, as required? (10-6.1.4a)	EXEMPT UNDER REGULATIONS	
75. If a tenant, has the activity cooperated with the activity or lessor which provides solid waste collection and disposal services in the establishment of source reduction and separation programs? (10-6.1.4b)	N/A	
76. If in a listed SMSA, has the activity cooperated with the designated SMSA lead agency? (10-6.1.4c)	X	DEMO PHALA HANDLES REMOVAL OF ALL WASTES
77. Has the activity provided an annual solid waste management report to NEESA by 1 February of each year as per OPNAVINST 5090.1A? (10-6.1.4d)	EXEMPT ACTIVITY	NORMAL TRASH COLLECTION
78. Has the activity complied with the infectious waste management procedures specified in NAVMEDCOMINST 6280.1 (NOTAL)? (10-6.2.2a)	X	MEDICAL DISPOSAL CONTRACTOR PICKS UP AS NEEDED
79. Has the activity determined, evaluated, and complied with Federal, state, local, or SOFA regulations that are more stringent than the requirements in NAVMEDCOMINST 6280.1 (NOTAL)? (10-6.2.2b)		X FACILITY DOES NOT GENERATE ANY SMALL QUANT. BIOHAZAR WASTE
80. Has the activity requested technical assistance, as required, from cognizant NAVFACENCOM EFDs or BUMED in carrying out required actions? (10-6.2.2c)	N/A	
81. Has the activity budgeted and funded the operation and maintenance of facilities and equipment necessary to handle, store, transport, treat, and dispose of infectious waste per applicable Federal, state, local, or SOFA regulations? (10-6.2.2d)	X	MEDICAL DISPOSAL CONTRACT FOR SHARPS CONTAINERS
82. If appropriate, has the activity managed infectious wastes in foreign countries to assure protection of human health and the environment and meet any applicable SOFA requirements? (10-6.2.2e)	N/A	
83. Have accessible facilities been provided to receive and store infectious waste per applicable Federal, state, local, or SOFA regulations until disposal of the materials? (10-6.2.3a)	X	SHARPS CONTAINERS DISPOSED THROUGH CONTRACT

02 OCT 1990

	YES	NO
84. Has the activity provided for disposal of infectious waste per applicable Federal, state, local, or SOFA regulations? (10-6.2.3b)	X	MEDICAL DISPOSAL CONTRACT
85. Has the activity managed infectious wastes in foreign countries to assure protection of human health and the environment as well as met any applicable SOFA requirements? (10-6.2.3b)	N/A	
<u>Oil and Hazardous Substances Pollution Contingency Planning</u>		
86. Has the activity reported (to appropriate organizations) immediately all reportable quantity OHS spills within U.S. waters? (11-4.2)	N/A	
87. Has the activity developed and annually reviewed and updated, as appropriate, activity OHS spill contingency plans in a format prescribed by COMNAVFACENGCOM, and consistent with applicable NOSCDR and NOSC plans? (11-6.7a)	X	APRIL 1993 SPILL CONTINGENCY PLAN DEVELOPED BY RESCEN AND COVERED BY FORT PAX SPCC PLAN
88. Has the activity mitigated and cleaned up OHS spills, as required? (11-6.7b)	N/A	
<u>Oil Pollution Prevention Ashore</u>		
89. Has the activity ensured that it's SPCC plans are prepared per COMNAVFACENGCOM guidance, implemented, and reviewed within prescribed time frames? (12-6.4a)	X	INSPECTION BY REDCOM SIX
90. Has the activity identified and submitted, as per OPNAVINST 5090.1A, pollution abatement projects required for the implementation of it's SPCC plan? (12-6.4b)	N/A	
91. Has the activity complied with Federal, state, and local requirements concerning oil pollution and used oil fuels for energy recovery? (12-6.4c)	N/A	
92. Has a used oil recycling program been implemented and maintained? (12-6.4d)	X	HAZLETOWN WASTE OIL RECYCLING
93. If appropriate, has the activity complied with USCG regulations for transportation related oil storage facilities? (12-6.4e)	N/A	
<u>Installation Restoration</u>		
94. Have all TSDs complied with all appropriate RCRA regulations? (13-4.18)	N/A	

02 OCT 1990

	YES	NO
95. Has the National Response Center been notified, as well as appropriate state and local authorities, as soon as the activity had knowledge of a release of a HS, in excess of a reportable quantity? (13-6.4a)	N/A	
96. Have all IRP reports been forwarded to the EPA and state regulatory agencies within 30 days of completion? (13-6.4b)	N/A	
97. Has a TRC been established for IRP sites? (13-6.3c)	N/A	
98. Has the activity implemented a public participation program including a CRP and kept regional environmental coordinators and EFDs informed of all public affairs actions? (13-6.3d)	N/A	
99. Has the activity commanding officer signed all applicable RODs? (13-6.3e)	N/A	
100. Has the activity budgeted for and conducted appropriate operation and maintenance or long term monitoring after implementing remedial actions? (13-6.3f)	N/A	
101. For PRPs: a. Has the chain-of-command been notified of any state or EPA notice of PRP action? b. Have installation records pertaining to wastes sent to PRP sites been reviewed? c. Has the information been forwarded to the EFD? (13-6.3g)	N/A	
102. Has the activity ensured LTM of IRP sites after the first two years? (13-6.3h)	N/A	
103. Has the technical execution of the IR program been reviewed and feedback provided to the EFDs and major claimants on any major disagreements as soon as possible? (13-6.3i)	N/A	
104. Has the activity provided logistics support to the EFD and their contractors performing the investigations and cleanups? (13-6.3j)	N/A	
105. Has the activity checked all real estate transactions to ensure that no HW encumbrances exist? (13-6.3k)	N/A	
<u>Underground Storage Tanks</u>		
106. Has the activity completed notification forms for USTs and forwarded the notification to the appropriate state agency? (14-6.4a)	N/A	UST REMOVED SUMMER 1994

02 OCT 1990

	YES	NO
107. Has the activity prepared UST Management Plans, with assistance from NAVFACENGCOM, to document a plan of action for achieving and maintaining compliance with all applicable Federal, state, and local laws and regulations? (14-6.4b)	N/A	UST REMOVED
108. Has the activity accomplished leak detection and product inventory requirements, recordkeeping and operation of monitoring systems required by Federal, state, and local UST laws and regulations? (14-6.4c)	N/A	INACTIVE UST UST REMOVED
109. Has the activity replaced or repaired USTs as required by applicable Federal, state, and local laws and regulations? (14-6.4d)	N/A	UST REMOVED BY CONTRACT VIA NORTHON
110. Has the activity complied with applicable Federal, state, and local laws and regulations concerning the construction of new UST systems? (14-6.4e)	N/A	
111. Has the activity prepared Pollution Control Report (PCR) exhibits, with the assistance of NAVFACENGCOM EFDs, for all compliance-mandated UST projects, regardless of funding source? (14-6.4f)	N/A	
<u>Pesticide Pollution Prevention Ashore</u>		
112. Have all appropriate pesticide application personnel been certified? (15-5.3)	X	CONTRACTED TO CIVILIAN PESTICIDE FIRM
113. Has the activity budgeted for routine, recurring costs to operate and maintain pest control facilities in compliance with legal requirements? (15-6.2a)	X	CONTRACTED TO QUALIFIED CIVILIAN FIRM
114. Has the activity identified as early as possible and submitted, per procedures in OPNAVINST 5090.1A, nonrecurring, non-routine corrective projects required to bring all pesticide use, storage, shop facilities, and disposal operations into compliance with applicable standards? (15-6.2b)	N/A	
115. Has the activity ensured that wastewaters discharged from pesticide mixing facilities are in compliance with applicable pretreatment or NPDES permit requirements and other applicable Federal, state, or local requirements? (15-6.2c)	N/A	

02 OCT 1990

	YES	NO
116. Has the activity addressed all pesticide transportation, storage, and formulation areas in activity HS release contingency plans? (15-6.2d)	N/A	
117. Have other alternatives to pesticides and herbicides such as mowing, cutting, and planting alternative vegetation been investigated? (15-6.2e)	N/A	
118. Has the activity developed, implemented, and maintained a Pest Management Plan documenting all pest management operations and pesticide applications? (15-6.2f)	N/A	
<u>Noise Prevention Ashore</u>		
119. Has the activity implemented procedures for limiting on-base noisy operations and for reducing property-line noise levels as required by local law? (16-6.2)	N/A	
<u>Natural Resource Management</u>		
120. Has the activity acted as a trustee for natural resources under its jurisdiction, developed and maintained an effective conservation program as outlined in OPNAVINST 5090.1A, and used technical assistance from the EFDs as necessary? (19-6.4a)	N/A	
121. Has the activity requested sufficient funding to ensure support of an integrated program as prescribed by OPNAVINST 5090.1A and the NRMPM? (19-6.4b)	N/A	
122. Has the activity ensured preparation of integrated management sections of comprehensive NRM plans and systematically applied the conservation practices set forth in such sections? (19-6.4c)	N/A	
123. Has the activity commanding officer appointed, by letter, an installation NRM program manager? (19-6.4d)	N/A	
124. Have programs been implemented to reduce the potential for collisions between aircraft and birds or other animals if the installation has a flying mission? (19-6.4e)	N/A	
125. Has the activity forwarded information copies of all applications or any other decision document(s) or proposal document(s) to fill or create a wetland to OP-45 via the chain of command? (19-6.4f)	N/A	

DEPARTMENT OF THE NAVY
Memorandum

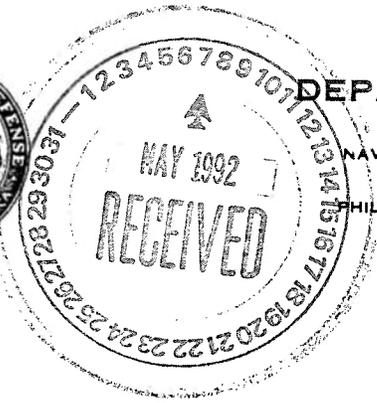
DATE: 14 Jun 92
FROM: FSO NIMCRC Reading
TO: CO NIMCRC Reading
SUBJ: NPDES PERMIT APPLICATION REQUIREMENTS
FOR STORM WATER DISCHARGES

Re: 6280 Ser 92223/1811/MLJ (From
CO NFEC - North Div dtd. 30 Apr 92)

1. Contact Mr. Matthew Jablover - Item 9
in referenced letter. Advise him of
information shown on drawing 2139653
Sheet 1 of 13.
2. Add hazardous material locations to dwgs.
3. If information is not adequate, ask
for assistance to conduct an initial
assessment (1A)

D. F. Roberts

Copy: HMI Carroll



DEPARTMENT OF THE NAVY

NORTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
BUILDING 77L, U.S. NAVAL BASE
PHILADELPHIA, PENNSYLVANIA 19112-5094

IN REPLY REFER TO

6280
Ser 92223/1811/MLJ

30 APR 1992

From: Commanding Officer, Northern Division, Naval Facilities
Engineering Command
To: Distribution

Subj: NPDES PERMIT APPLICATION REQUIREMENTS FOR STORM WATER
DISCHARGES

Ref: (a) NORTHDIV ltr 6280 Ser 2456 of 3 May 1991

Encl: (1) OPNAV ltr of 16 Mar 92
(2) OPNAV ltr 5090 Ser 451E/920212 of 18 Feb 92

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A - ACTION I - INFO R - RETAIN C - COPY TO		

1. Reference (a) described a Navy wide initiative to achieve compliance with United States Environmental Protection Agency (USEPA) storm water discharge regulations. These regulations require, in part, acquisition of National Pollutant Discharge Elimination System (NPDES) permits for storm water discharges "associated with industrial activity".

2. The storm water program is updated as follows.

3. In order to obtain a National Pollutant Discharge Elimination System (NPDES) permit for storm water discharges from industrial areas most Naval Facilities have chosen to be part of the group permit application process. Part I of the two part group application process was submitted to the Environmental Protection Agency (EPA) in June 1991. The EPA has not yet approved our Part I applications. The Deputy Assistant Secretary of the Navy (Environment & Safety) has forwarded enclosure (1) to the EPA hoping to obtain the status of our applications.

4. Our original Part I Navy/Marine Corps group permit applications were amended by enclosure (2). NSB New London, NSGA Winter Harbor, NUSC New London, and NAS Brunswick are the affected Northern Division facilities. In addition, NAVFAC Headquarters has added many Naval and Marine Corps reserve centers to the Light Industrial Activities group application. See enclosure (2) for details.

5. The EPA has changed the Part II application deadline from 18 May 92 to 1 Oct 92. Northern Division facilities slated to submit Part II information are: NAS Glenview, NAS Brunswick, NSY Portsmouth, SPCC Mechanicsburg, NAVSTA Philadelphia, NWS Earle, NSGA Winter Harbor, and NAC Indianapolis. The EPA may require Part II information from additional activities once they have reviewed our Part I application.

F50-I

Subj: NPDES PERMIT APPLICATION REQUIREMENTS FOR STORM WATER DISCHARGES

6. Even though the EPA review process is slow, Northern Division recommends facilities which are now part of a group application remain so. For those facilities which have chosen to apply via the individual or general application process the following is an update. The Individual permit application submission deadline is 1 Oct 92. The EPA is expected to issue its final general permit for industrial facilities sometime in May 1992. The general permit when finalized will set uniform permit conditions for a large number of facilities. Northern Division facilities located in MA, ME, CO, SD, and NH may elect coverage under the final EPA General Permit. The general permit option for facilities located outside of MA, CO, ME, NH, and SD is contingent upon State legislative action. Currently only California has issued a general permit. Some States such as CT and NY do not have the authority to issue general permits.

7. We can reasonably expect the majority of storm water discharge permits, once issued, to have similar condition. Permits will be based on best management practices (BMP) rather than effluent limitations. BMPs are facility-specific procedures developed and instituted to effectively manage storm water quality through management plans and procedures, prohibitions, on practices, and other management practices to prevent or reduce pollution.

BMPs include:

- site maps identifying locations of materials likely to be exposed to storm water;
- inventory of materials stored/hazardous waste generated;
- "history" of significant materials/waste, spills /releases;
- erosion prevention features and measures;
- spill prevention and response plans;
- storm water inspection/monitoring procedures and records;
- and "illicit" or non-storm water discharge surveys.

8. The first step in preparing a BMP is to conduct an initial assessment (1A).

The 1A consists of:

- a. Analysis of drawings. Comparison between as-built drawings and storm sewer drawings. Examine storm and sanitary sewer drawing checking for areas where cross-connections are likely to exist.

Subj: NPDES PERMIT APPLICATION REQUIREMENTS FOR STORM WATER DISCHARGES

- b. Dry weather visual observations of storm drains, catch basins, manholes and outfalls. Large flows in the storm sewer during dry weather can indicate cross-connections. Determine physical characteristics of all industrial storm water outfalls for location, access (due to tide or obstructions), pipe material and condition.

By conducting the 1A early in the permit process we will have more time and leeway in developing appropriate storm water pollution corrective actions/projects. Northern Division is available to assist you in conducting your 1A.

9. Please direct all comments, questions and responses concerning storm water permitting to Mr. Matthew Jabloner (Code 1811/MLJ), A/V 443-6280, Commercial(215) 897-6280.

R. Jean-Louis
for JOE M. ROCHE
Head, Air and Water Section
By direction of the Commanding Officer

595-0694
EXT 0567

Distribution:

H (1)
I (4)
List (F)

Copy to: w/o encls)
NAVFAC, C/1824

9/23/92 *Comma* *JOE ROCHE* *NO Act/100*

RON JEAN LOUIS



DEPARTMENT OF THE NAVY

OFFICE OF THE ASSISTANT SECRETARY
(INSTALLATIONS AND ENVIRONMENT)
WASHINGTON, D.C. 20380-8000

MAR 16 1992

Mr. Michael B. Cook
Director, Office of Water
Enforcement and Compliance (EN-335)
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

Dear Mr. Cook:

I am writing to request a status update on the Storm Water Group Application submitted to you for Navy/Marine Corps facilities on June 17, 1991. We have yet to receive a formal reply on the application package and have suspended action on Part II of the application pending a decision by your office on the adequacy of the Part I information.

Our attempts to ascertain the exact status of the Part I application have been unsuccessful. The Environmental Protection Agency (EPA) Storm Water Hotline has informed us that the application package was sent to your office for review on November 22, 1991. Our latest call in December to the Permits Division in your office did not provide any additional information.

I understand the large number of storm water group applications has taxed your ability to provide the 60 day turnaround time that you established. In addition, your recently published, proposed rule on this subject may extend the deadline for the Part II sampling information to October 1, 1992. However, if EPA approval of the Navy Part I information is not forthcoming soon, we will be unable to complete the Part II sampling deadline even with the proposed extension.

Please provide us with a status update on your review of the Part I application package and the anticipated completion date. We have suspended sampling actions pending your review.

We appreciate your swift attention to our request. Please provide information on the status of our application to Mr. Louis Maiuri, OP-451E, at Office of the Chief of Naval Operations, (703) 602-4769.

Elsie L. Munsell

ELSIE L. MUNSELL
Deputy Assistant Secretary of the Navy
(Environment and Safety)

Copy to:
EPA (LE 133)

REPRODUCED AT GOVERNMENT EXPENSE

ENCLOSURE (1)



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, DC 20350 2000

IN REPLY REFER TO

5090
Ser 451E/2U601681
18 Feb 92

Mr. Michael Cook
Director
Office of Waste Water Enforcement and Compliance
U.S. Environmental Protection Agency
(EN-335)
401 M Street, SW
Washington, DC 20460

Dear Mr. Cook:

We request that you amend the Navy/Marine Corps group application for storm water discharges to include additional facilities. The original application Part I submission was forwarded to you by letter dated 17 June 1991. The additional facilities and their group designations are attached (enclosure (1)). Please note that we have not designated facilities for Step II information submission. The additional facilities that must conduct Step II sampling will be determined after review comments or approval of our original application is received.

Please note that we will remove some of the facilities in our original application package due to the impact of the State of California Water Resources Board decision to disregard group applications. The net effect of this decision will not change the number of specific groups in our original application but will result in reduced numbers of facilities in some groups. In order to maintain the group application without further changes, we ask that you provide an expedited review and response to our application.

If we can provide you with any information to assist your review, please contact Mr. Louis Maiuri, OP-451E, at (703) 602-4769.

F. R. CLEMENTS
Captain, Civil Engineer Corps,
U.S. Navy
Director, Environmental Protection,
Safety and Occupational Health
Division

Encl:

(1) Additional Storm Water Group Applications

ENCLOSURE (2)

Table A-1
Sanborn Map Report – Review Summary
Navy and Marine Corps Reserve Center
Reading, Pennsylvania

Year	Site Features	Adjacent Properties
1950	Residential. One 1-story dwelling and two small sheds present near current NMCRC Reading Gymnasium location.	North – Single-family residences along Margaret Street, . East – Brookline Manor Apartments, 156 Units. South – One single family residence south of Pershing Street. West – Undeveloped west of Kenhorst Blvd.
1963	Site developed with Main Building, Motor T Garage (labeled as “Gun Shed”), Grounds Keeping Storage Garage, and Brick Shed (labeled as “Paint Shed”). The site’s current gymnasium is labeled as a “Gun Room”, and the southeastern end of Building 1 is labeled as a “Drill Hall” and a “Rifle Range” with ammunition storage. Howitzer Shed and stormwater retention basin were not present.	North – Single-family residences along Margaret Street, . East – Brookline Manor Apartments, 156 Units. South – Four single family residences south of Pershing Street. West – Pennsylvania state Police Barracks Troop C, and undeveloped land north of 600 Kenhorst Blvd. Police Barracks.

Note: 1950 Map covers 50% of NMCRC Reading (the “site”), and 1963 Map covers 90% of the site. Map scale is 1” = 100’.



"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Rima Miley Tetra Tech NUS, Inc. 20251 Century Blvd Germantown, MD 20874	Order Date: 9/29/2006 Completion Date: 10/3/2006 Inquiry #: 1766111.5s P.O. #: NA Site Name: Navy and Marine Corps Reserve Center Address: 615 Kenhorst Blvd City/State: Reading, PA 19607 Cross Streets:
Customer Project: 112G00629 1039900JEB 301-528-5552	

Based on client-supplied information, fire insurance maps for the following years were identified

1950 - 2 Maps
1963 - 2 Maps

Limited Permission to Photocopy

Total Maps: 4

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USER'S GUIDE

This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

Reading Sanborn Maps

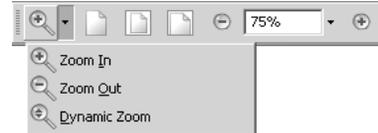
- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: <http://www.edrnet.com/reports/samples/key.pdf>

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
 - A. On the menu bar, click "View" and then "Zoom to..."
 - B. Or, use the magnifying tool and drag a box around the TP



Printing a Sanborn Map From the Electronic File

- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

Acrobat Versions 6 and 7

1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.



Acrobat Version 5

1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.



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- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.

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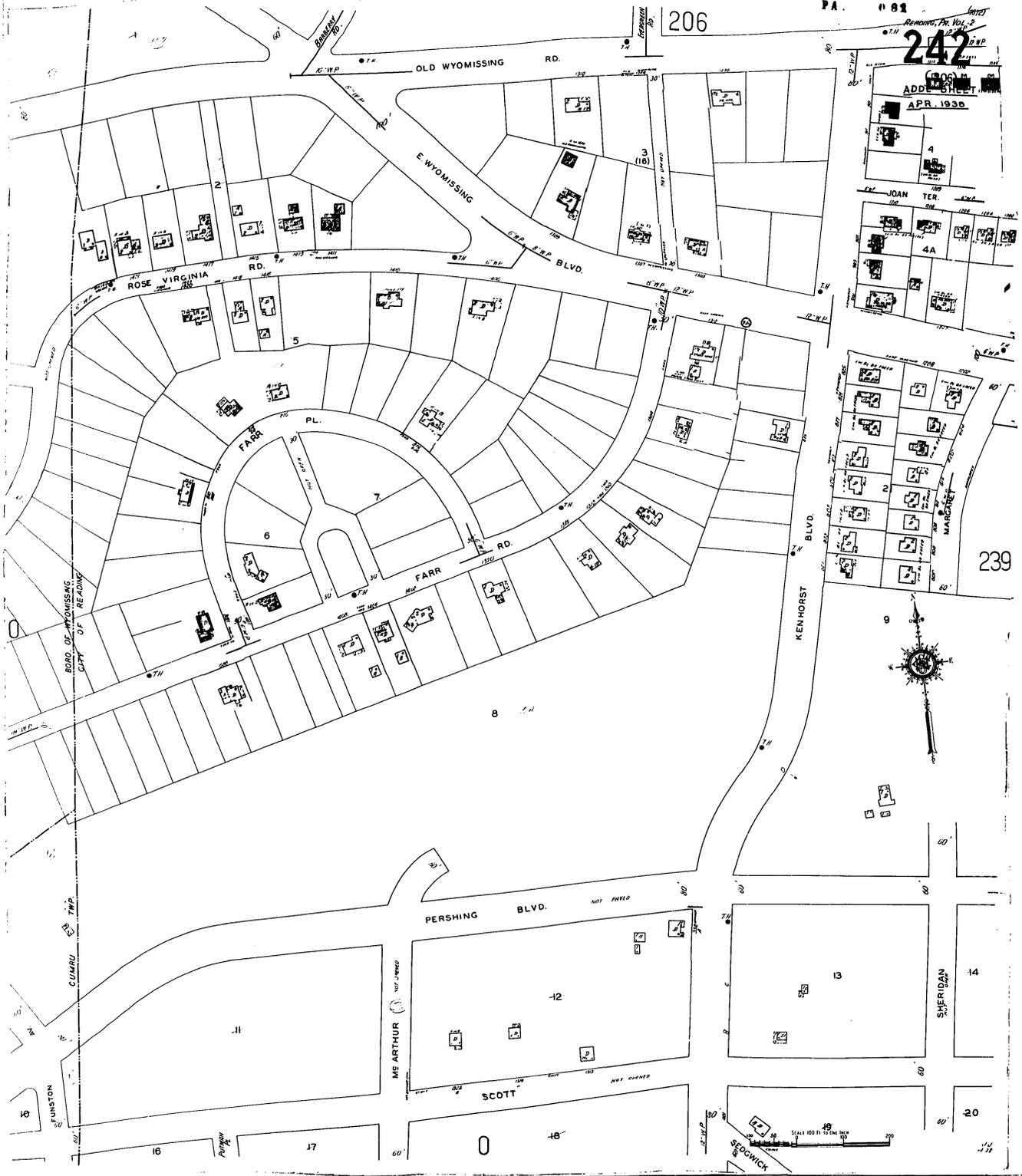
242

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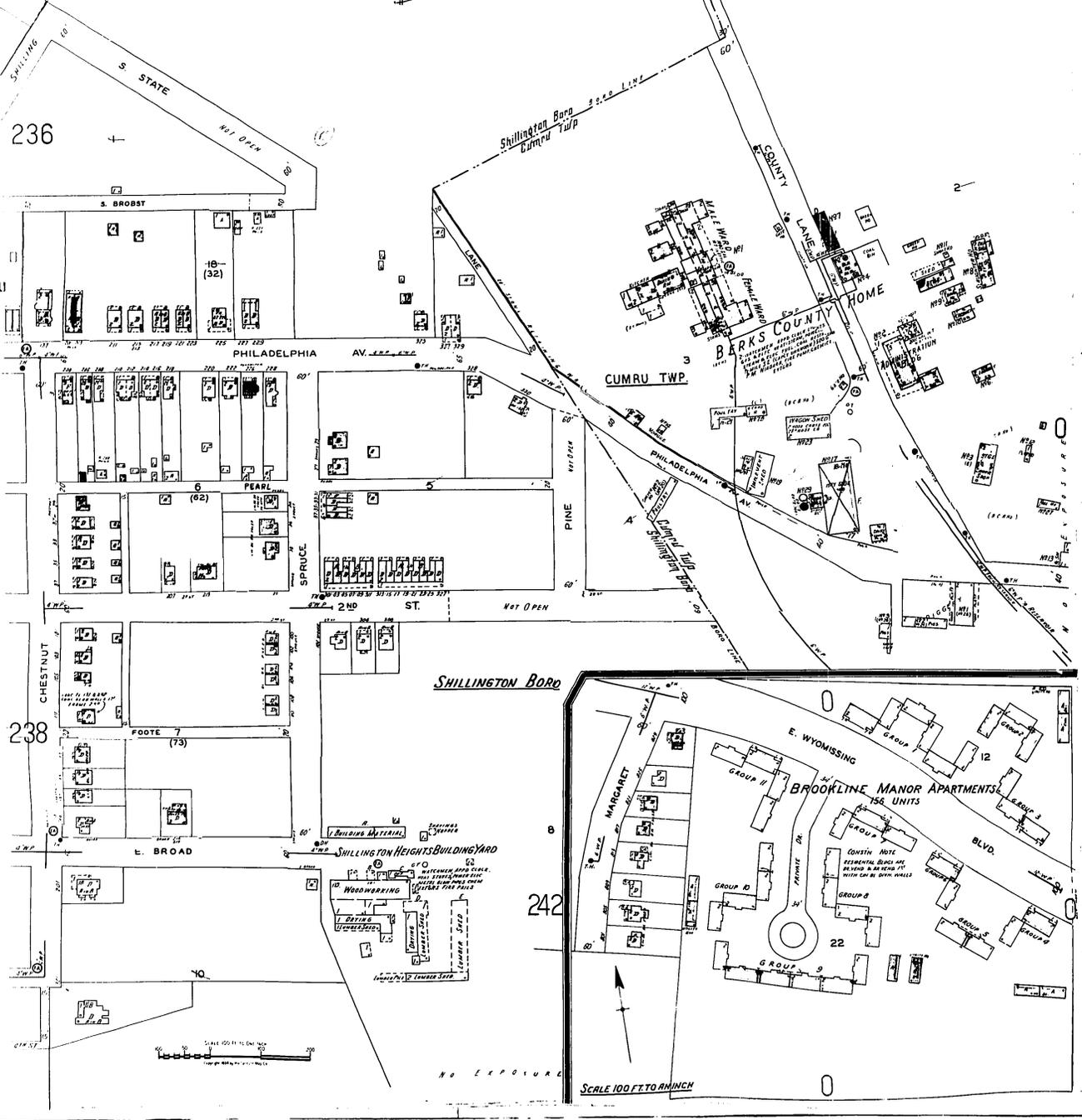


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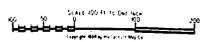
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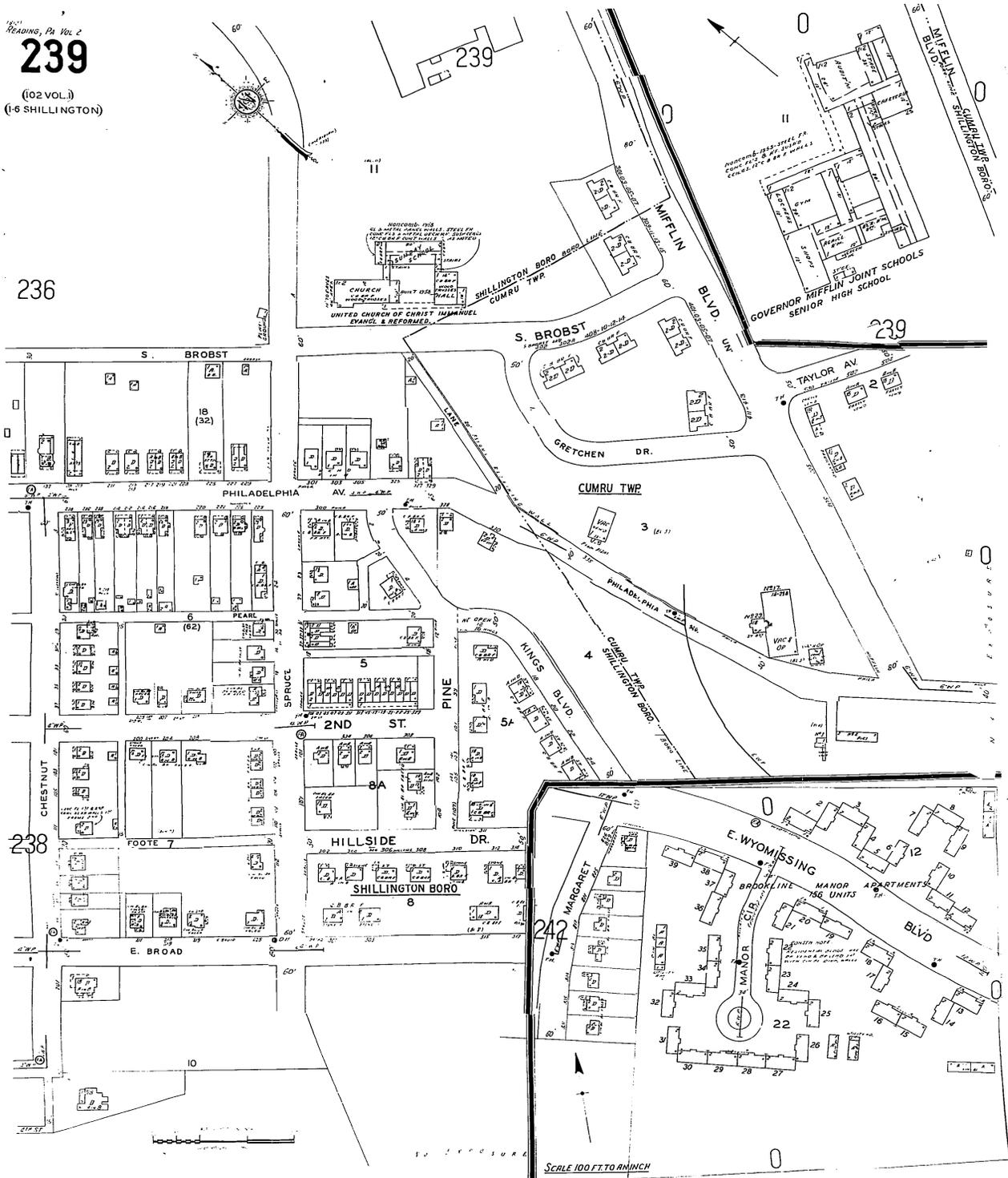
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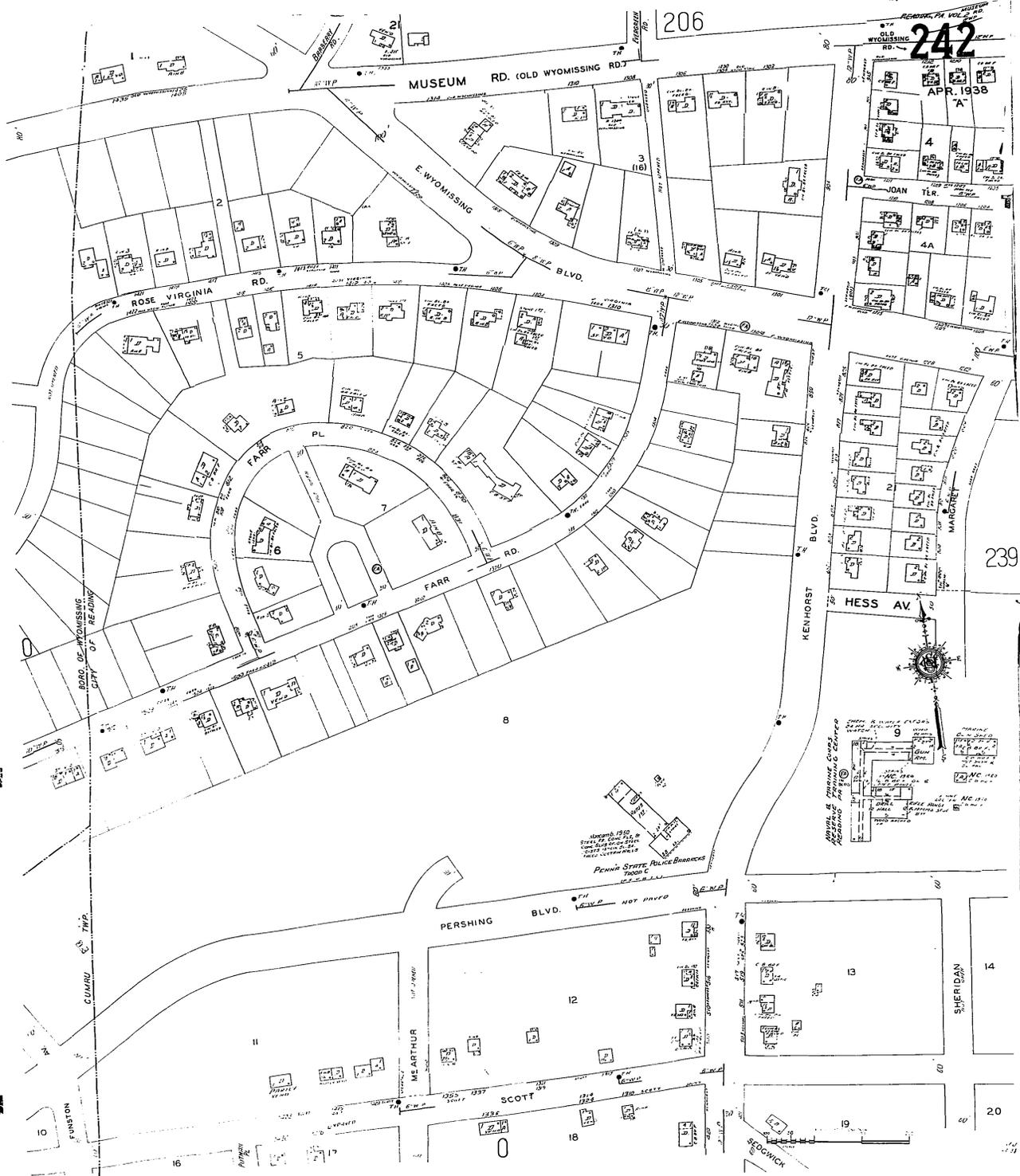
242



SCALE 100 FT TO AN INCH

1881
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239
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