

FINAL

**ENVIRONMENTAL CONDITION OF PROPERTY
REPORT**

**FORT TILDEN
U.S. ARMY RESERVE CENTER (NY022)
415 ROCKAWAY POINT BOULEVARD
FORT TILDEN, NY 11695**

Prepared For:

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Executive Summary

CH2M HILL, under contract to the U.S. Army Corps of Engineers (USACE), Louisville District, prepared this Environmental Condition of Property (ECP) report for the Fort Tilden U.S. Army Reserve (USAR) Center (Facility ID NY022), hereafter referred to as the Property or USAR Center. The Property is located at 415 Rockaway Point Boulevard, Fort Tilden, Queens County, New York 11695 and encompasses 9.15 acres.

This ECP report was conducted in conformance with the Department of Defense's (DoD's) Base Redevelopment and Realignment Manual (BRRM), DoD 4165.66-M, Army Regulation 200-1, and the American Society for Testing and Materials (ASTM) Designation D6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*.

This ECP report details the history of the property, including the USAR and any prior tenant uses of the Property and the resulting environmental condition of the property.

The USAR Center is on 9.15 acres of land with two permanent structures, a 29,469-square-foot administration building and a 7,036-square-foot Organizational Maintenance Shop (OMS). The site is currently occupied by three units: 449th Maintenance Company, 766th Supply and Service Battalion, and 479th Chemical Company.

Based on a review of aerial photographs and U.S. Geological Survey (USGS) topographical maps dating back to 1900, the Property was first developed sometime between 1947 and 1954. Surrounding property was also largely undeveloped at that time. In 1954, facilities, associated with the Nike missile launch battery appear, and the current USAR Center is visible in 1966. Areas of potential environmental concern were reviewed and CH2M HILL found the following relating to the USAR use of this Property:

- The former 550-, 1,000-, and 6,000-gallon No. 2 fuel underground storage tanks (USTs). Based on historical documents, spills occurred at the fill pipe for the 1,000-gallon UST and at the fill pipe for another UST not specifically identified in the records. The New York State Department of Environmental Conservation (NYSDEC) identifies one of these spills as being closed (although the NYSDEC closure does not specifically identify the spill as being associated with the UST). All USTs have been removed, with no associated contamination remaining.

In accordance with DoD policy defining the classifications (see Sherri Goodman memorandum dated 21 October 1996), the Property has been classified as Type 2. This classification does not include categorizing the property based on de minimis conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

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Abbreviations and Acronyms

The following is a comprehensive list of abbreviations and acronyms that are used throughout this report.

ACM	asbestos-containing material
AMSA	Area Maintenance Support Activity
AR	Army Regulation
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Act Information System
CFR	Code of Federal Regulations
CORRACTS	Resource Conservation and Recovery Act corrective action site
DoD	Department of Defense
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
EEG	Environmental Enterprise Group, Inc.
ENRS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
FUDS	Formerly Used Defense Sites
IRFNA	inhibited red fuming nitric acid
kg	kilogram
LBP	lead-based paint
LUST	leaking underground storage tank
MEC	munitions and explosives of concern
MEP	military equipment parking

NBC	nuclear, biological, and/or chemical
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
OMS	Organizational Maintenance Shop
OWS	oil/water separator
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene
pCi/L	picoCuries per liter
PETN	pentaerythrite tetranthrate
POL	petroleum, oil, and lubricant
POV	privately owned vehicle
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Act Information System
RQ	reportable quantity
RRC	Regional Readiness Command
STATSGO	State Soil Geographic Database
SWP3	stormwater pollution prevention plan
TCA	trichloroethane
TCE	trichloroethylene
TSD	treatment, storage, and/or disposal
UDMH	unsymmetrical dimethylhydrazine
USACE	United States Army Corps of Engineers
USAR	United States Army Reserve
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	underground storage tank
UTA	Unit Training Assembly

1 Introduction

CH2M HILL, under contract to the U.S. Army Corps of Engineers (USACE) Louisville District Engineering Division was authorized to conduct an Environmental Condition of Property (ECP) report for the Fort Tilden U.S. Army Reserve (USAR) Center (NY022). The facility is located at 415 Rockaway Point Boulevard, Fort Tilden, Queens County, New York (Figure 1, Appendix A), and is hereafter referred to as the Property or USAR Center. CH2M HILL prepared this ECP report under Contract Number W912QR-04-D-0020, Task Order No. 0018, with the Louisville District USACE.

A visual non-intrusive reconnaissance of the Property was conducted on August 24, 2006, in support of the ECP. The reconnaissance purpose was to visually obtain information indicating the likelihood of recognized environmental conditions associated with the Property or adjacent properties.

In preparing this ECP report, CH2M HILL gathered information from the available records and previous work from others, interviews with individuals purporting to be familiar with the Property, and observations from a site reconnaissance. The accuracy of the information obtained from these sources was not verified by CH2M HILL. As such, CH2M HILL will make no warranty, expressed or implied, relative to the accuracy, completeness, or reliability of the information used to create the records and reports prepared by others.

1.1 Purpose of Environmental Condition of Property

The Military Department with real property accountability shall assess, determine, and document the environmental condition of all transferable property in an ECP report. This ECP report is based on reasonably available information. Pursuant to the Department of Defense's (DoD's) policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP report include the following:

- Provide the Army with information it may use to make disposal decisions
- Provide the Army with information relative to the environmental condition of the property at the time of lease termination
- Provide the public with information relative to the environmental condition of the property
- Assist in community planning for the reuse of Base Realignment and Closure (BRAC) property
- Assist federal agencies during the property screening process
- Provide information for prospective buyers

- Assist prospective new owners in meeting the requirements under U.S. Environmental Protection Agency's (USEPA's) "All Appropriate Inquiry" regulations
- Provide information about completed remedial and corrective actions at the property
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction

The ECP report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of and deeds entered into for the transfer of federal property on which any hazardous substance was stored, released, or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for 1 year or more, specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4 or 1 kg of acutely hazardous waste as defined in 40 CFR 261.30. A notice also is required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the reportable quantity. Army Regulation (AR) 200-1 requires that the ECP report address asbestos, lead-based paint (LBP), radon, and other substances potentially hazardous to human health.

This ECP report used the American Society for Testing and materials (ASTM) Designation D6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, the BRRM, CERCLA §120, and AR 200-1.

1.2 Scope of Services

This ECP report covers the 9.15-acre USAR Center located at 415 Rockaway Point Boulevard, Fort Tilden, Queens County, New York 11695 (Figure 1, Appendix A). The Property is bounded by Rockaway Point Boulevard and residential housing to the north, and the Gateway National Recreation Area to the east, west, and south. All site maps, figures, and aerial photographs referenced herein are provided in Appendix A, while Appendix B contains the photographs taken during the August 24, 2006, site reconnaissance. Appendix C contains the Property warranty deeds and chain of title information, and lease or permit agreements if applicable. Relevant historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) radius search reports commissioned for this effort.

This ECP report classifies the property into one of seven DoD environmental ECP categories as defined by the DoD policy defining the classifications (see Sherri Goodman Memorandum dated 21 October 1996). The property classification categories are as follows:

- ECP Area Type 1 – An area or parcel of real property where no release or disposal of hazardous substances or petroleum products or their derivatives has occurred (including no migration of these substances from adjacent properties).

- ECP Area Type 2— An area or parcel of real property where only the release or disposal of petroleum products or their derivatives has occurred.
- ECP Area Type 3— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action.
- ECP Area Type 4— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and all remedial actions necessary to protect human health and the environment have been taken.
- ECP Area Type 5— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and removal or remedial actions, or both, are underway, but all required actions have not yet been taken.
- ECP Area Type 6— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but required response actions have not yet been initiated.
- ECP Area Type 7— An area or parcel of real property that is unevaluated or requires additional evaluation.

2 Site Location and Physical Description

2.1 Site Location

The USAR Center is located in Queens County, on the south side of New York City, New York, at 415 Rockaway Point Boulevard (Figure 1, Appendix A). The 9.15-acre parcel is situated on a main thoroughfare (Rockaway Point Boulevard), and bounded by Rockaway Point Boulevard and residential housing to the north, and the Gateway National Recreation Area to the east, west, and south.

2.2 Asset Information

Facility Name and Address:	Fort Tilden U.S. Army Reserve Center 415 Rockaway Point Boulevard Fort Tilden, New York
Property Owner:	U.S. Government
Date of Ownership:	1917
Current Occupant:	449th Maintenance Company, 766th Supply and Service Battalion, and 479th Chemical Company
Zoning:	R4, Residential
County, State:	Queens County, New York
USGS Quadrangles:	Coney Island, New York
Latitude/Longitude:	40°33'49.3"N; 73°53'47.0"W
Legal Description:	The USAR Center includes one contiguous 9.15-acre parcel of land. A legal description is included in Appendix C.

2.3 Physical Description

The USAR Center contains two permanent structures and two parking lots. Construction of the 29,469-square-foot administration building was completed in 1965, and construction of the 7,036-square-foot Organizational Maintenance Shop (OMS) building was completed in 1964 (77th RRC, 2007). Both structures are on concrete foundations and consist of concrete block walls covered with a brick veneer. A military equipment parking (MEP) area and a privately owned vehicle (POV) parking area also are contained within the Property. Chain-link security fencing topped with barbed wire encloses the USAR Center (Figure 2, Appendix A).

Most of the Property is covered by impervious surface features such as asphalt parking areas, driveways, concrete walkways, and building footprints. The perimeter of the Property consists of grass between the parking areas and fence line. The eastern portion of the Property is mostly a grass lot that is accessible by a paved two-lane road.

The 449th Maintenance Company, 766th Supply and Service Battalion, and the 479th Chemical Company currently occupy the USAR Center to conduct weekend drill training.

Administration Building

The administration building is an irregularly shaped two-story structure, with a two-story drill hall (Figure 2, Appendix A). The building's interior consists of office space, classrooms, an arms vault used to store rifles and pistols, a storage area, kitchen, and a drill hall. A September 2005 environmental compliance assessment noted that the USAR Center stores either munitions or ordnance on the Property (77th RRC, 2005); however, no evidence of munitions or explosives of concern (MEC) was observed during the August 24, 2006, site reconnaissance, and 77th Regional Readiness Command (RRC) personnel were not aware of any munitions or ordnance currently on the Property. Locked storage areas are located at the southwestern portion of the first floor (west of the drill hall) and at the southern portion of the second floor. A kitchen is located north of the drill hall. The August 24, 2006, site reconnaissance did not identify any grease traps associated with the administration building; however, the 2005 USAR environmental compliance assessment notes that a grease trap is present on the Property (77th RRC, 2005).

A boiler room is located on the eastern side of the administration building. The boiler room is lower in elevation than the first floor and houses the building's natural gas heating units, bypass feeder, and electrical subpanels. The second floor consists of office space, classrooms, and a storage area.

Organizational Maintenance Shop and Vehicle Wash Area

The OMS building is located at the southeastern portion of the Property and consists of a one-story rectangular-shaped, steel and brick building with five maintenance bays (Figure 2, Appendix A).

The interior of the OMS consists of five vehicle maintenance bays with tool chests and two enclosed parts cleaning devices. The parts cleaning devices use hot water and a detergent solution (Photograph 1, Appendix B). According to the 77th RRC personnel, the parts washers have an internal oil/water separator (OWS), which operates as a closed loop system that recycles wash fluids. Effluent from the parts washers can drain into the sanitary sewer. Two flammable storage cabinets were used to store unused petroleum, oil, and lubricant (POL) substances and paint; a third flammable storage cabinet was used to store empty containers (Photograph 2, Appendix B). The northern interior of the OMS building consisted one office and one bathroom. An approximately 2-foot-diameter concrete patch was present in the pavement outside the south door of the OMS building (Photograph 3, Appendix B). A review of the as-built drawings for the OMS building indicates there are no storm or sanitary drains in this area of the building. It is believed that this patch is just a repair to the concrete and not associated with the closure of any drains (77th RRC, 2007). Property personnel who were interviewed had no knowledge of the existence of any current

or past floor drains or trench drains in the OMS building besides an abandoned maintenance/lubrication pit (described in Section 3.2 and 6.4).

One wash rack is currently located outside the OMS building, however, according to 77th RRC personnel, has not been used in years and is used occasionally to stage vehicles or equipment. The wash rack is concrete with concrete curbing and is about 32 feet long by 30 feet wide, with two drains. Dark stains were present around the drains, although none of the stains ran off the pavement. During the August 24, 2006, site reconnaissance, a hose was present on the wash rack, and it appeared to have been recently used (Photograph 4, Appendix B). The active wash rack is connected to an OWS located on the southeast side of the OMS building. The OWS is located underground, beneath a concrete pad and metal plate, and is connected to the local sanitary sewer system (Browne, 2006).

There are one 396-gallon waste POL aboveground storage tank (AST) (NYSDEC, 2001) (Photograph 5, Appendix B) and four sea-box containers in the MEP area. The sea-box containers are about 8 feet wide by 10 feet long and are locked when not in use. Secondary containment was present in each of the sea-box containers. The containers held used and unused POL substances. The sea-box containers and waste POL AST were stored on the edge of the pavement next to the grass.

The MEP area bounds the OMS building on the southern and western sides. During the August 24, 2006, site reconnaissance, military vehicles were parked in the MEP area, and mostly consisted of tractor-trailers. Based on interviews with 77th RRC personnel, these trailers contained nonhazardous items such as office equipment, tents, and communication equipment.

2.4 Site Hydrology and Geology

The USAR Center is located on the Rockaway Point Peninsula, which is a barrier island located within the Atlantic Coastal Plain Physiographic Province. The Atlantic Coastal Plain Physiographic Province is nearly flat with unconsolidated sediments of Cretaceous to Recent age overlying metamorphic and igneous rocks of Precambrian and early Paleozoic age (USGS, 2002). Holocene beach deposits make up most of the Rockaway Peninsula and Coney Island, and Holocene salt-marsh deposits underlie and fringe the south-shore bay areas. In addition, artificial filling has been done in low and swampy shoreline areas (<http://www.epa.gov/region02/water/aquifer/brooklyn/brooklyn.htm#I2>).

The USAR Center is found on the U.S. Geological Survey (USGS) 7.5-minute Coney Island quadrangle map (Figure 3, Appendix A). As shown on this map, ground surface elevations at the USAR Center are between 5 and 10 feet above mean sea level, and it is relatively flat. The land around the MEP area and OMS building slopes gently to the west and south, while the land around the POV parking lot and administration building slopes gently to the north and Rockaway Point Boulevard. Rockaway Inlet and Jamaica Bay are located about 0.25 mile northwest and northeast of the Property, respectively. The Atlantic Ocean is located about 0.5 mile south of the Property (Figure 3, Appendix A).

2.4.1 Surface Water Characteristics

Based on the stormwater pollution prevention plan (SWP3), stormwater runoff flows as sheet flow across the parking areas, toward one storm sewer outfall located in the grassed area next to the western fence. In addition, runoff could potentially flow onto the adjoining property to the west. The soil at the USAR Center is sandy, and it is unlikely that stormwater could overflow the Property toward the Atlantic Ocean (Browne, 2006). During the August 24, 2006, site reconnaissance, some small depressions were observed in the grass areas located between the pavement and the fence; however, no storm sewer grates were observed on the Property.

2.4.2 Hydrogeological Characteristics

The Long Island aquifer system is located in Long Island, New York, and lies within the Atlantic Coastal Plain Physiographic Province. Long Island is bounded on the north by Long Island Sound, on the east and south by the Atlantic Ocean and on the west by New York Bay and the East River. Four distinct aquifers of Late Cretaceous to Pleistocene age are present on nearby Long Island; however, no distinct aquifers exist in the Holocene deposits present on the Rockaway Point Peninsula. The bedrock underlying these unconsolidated deposits has a low hydraulic conductivity and does not yield more than a few gallons per minute. The quantity of water that can flow across this boundary between bedrock and overburden materials is insignificant compared with the quantities that flow in the overlying unconsolidated units; therefore, the bedrock surface is considered the bottom hydrologic boundary of the groundwater flow systems (<http://www.epa.gov/region02/water/aquifer/brooklyn/brooklyn.htm#I2>).

According to information acquired from the Soil Conservation Service's State Soil Geographic Database (STATSGO) for Queens County, the specific soil type at the Property is Urban Land. Soils of this type are variable and do not meet the requirements for a hydric soil (EDR, 2006). As described in Section 2.4, the Property is located in the Atlantic Coastal Plain Physiographic Province, and as such, soils underlying the Urban Land are most likely composed of sand and gravel.

2.5 Site Utilities

Based on interviews with 77th RRC personnel, the following information was obtained regarding site utilities.

Water Service—The City of New York provides potable water service to the Property.

Sanitary Sewer System—The City of New York provides sanitary sewer service to the Property. The primary source of wastewater that is directed to the city sewer system includes nonprocess wastewater (bathrooms, sinks, etc.), vehicle washing runoff, and wastewater generated from the parts cleaner.

Gas and Electric—Keyspan Energy provides natural gas service to the Property, while Consolidated Edison Company of New York provides electric service to the Property.

2.6 Water Supply Wells and Septic Systems

Based on a review of available historical site and agency records and interviews with site personnel, neither a water supply well nor a septic system is or was located at the Property. Potable water is supplied by the City of New York (EDR, 2006).

The EDR report identified two water supply sources between 0.25 and 0.5 mile east-northeast, and between 0.5 and 1.0 mile north-northwest of the USAR Center. No records of contamination of these wells were found (EDR, 2006).

3 Site History

3.1 History of Ownership

The Property has been owned by the U.S. Government since at least 1917. A review of historical records indicate that the Property and surrounding land was initially developed by the U.S. Army in 1917 and was used for various missions from 1917 until the present.

3.2 Past Uses and Operations

In 1917, the U.S. Government initially developed Fort Tilden as a 317-acre Coastal Defense Post. During the World War I era, Fort Tilden included a mortar battery of four 12-inch mortars, an east battery consisting of two 6-inch rapid-fire guns, and a west battery with two 6-inch rapid-fire guns. During World War II, the U.S. Army added additional armaments and a Harbor Entrance Command Post. From 1955 to 1974, the property south of the USAR Center functioned as a Nike missile launch facility, and the land west of the USAR Center functioned as the Nike control facility. In 1976, after the cessation of the Nike missile program, properties to the east, west, and south of the current USAR Center were decommissioned and eventually became the Gateway National Recreation Area. The remains of some of the World War I, World War II, and Nike missile base buildings and structures are still present in the area surrounding the current USAR Center; however, they are closed to the public for safety reasons (http://www.dmna.state.ny.us/forts/fortsT_Z/tildenFort.htm).

Construction of the OMS and administration buildings on the USAR Center were completed in 1964 and 1965, respectively (77th RRC, 2007). The Property primarily functioned as an administrative, logistical, and educational facility, with limited maintenance of military vehicles occurring in the OMS building. The Property was historically used by reservists for drill activities on various weekends throughout the year. Historically, training was conducted in one evening per week sessions in which training was performed at the individual facilities. Proficiency in marksmanship was required as part of the Unit Training Assembly (UTA) training, and subcaliber (.22) rifle ranges were an integral instrument for unit training. Comprehensive training including the use of the indoor rifle ranges was performed for a period of time between the 1950s and the post-Vietnam era (Gillan and Hartmann, 1992).

Activities inside the OMS building in the past were limited to preventative maintenance checks on military equipment, including checking vehicle fluids such as motor oil, water, and antifreeze, and light maintenance activities. Any equipment requiring heavier maintenance was sent to an Area Maintenance Service Activity (AMSA) shop located at Fort Totten in Queens, New York.

The five vehicle maintenance bays in the OMS building previously contained an enclosed Safety Kleen parts cleaning unit, which was removed in approximately 2001. A maintenance pit previously existed in the southern-most bay (Photograph 6, Appendix B). This former

maintenance pit was reportedly in operation from 1964 until it was abandoned with concrete at an unknown time, prior to the August 24, 2006, site reconnaissance. The condition of the pit before closure was not available. A review of the as-built drawings for the OMS building and knowledge of the closure of the trench drain have indicated that there were no floor or trench drains anywhere in the OMS, including the former maintenance pit (77th RRC, 2007).

Two wash racks previously existed on the Property, however, the date and details of closure are unknown. One wash rack was previously located on the east side of the administration building, outside the boiler room. This wash rack was not present during the August 24, 2006, site reconnaissance, however a figure attached to a May 23, 1988, memorandum identifies its location (Army, 1988). A second abandoned wash rack was identified next to the active wash rack south of the OMS building (Photograph 7, Appendix B). 77th RRC personnel identified the abandoned wash rack as a portion of concrete, with no curbing, that was about 15 feet wide by 30 feet long. Asphalt patches were present on the sides of the concrete and may indicate a previous concrete curb. Another asphalt patch was observed in the center of the concrete, and 77th RRC personnel could not verify if this was previously a wash rack drain. There was no closure documentation for the wash racks.

Historical aerial photographs and topographic maps were used to assess past uses and operations at the Property. In Appendix A, Figures 4 through 9 provide aerial views of the Property and surrounding areas in 1954, 1966, 1975, 1984, 1994, and 2006. USGS topographic maps dating back to 1900 were available for review; however, for the purposes of this ECP, the 1947, 1979, and 1995 topographic maps (Figures 3, 10, and 11, Appendix A) adequately depict development of the Property and its immediate surroundings over the past years.

No buildings are observed on the Property in the 1954 aerial photograph (Figure 4, Appendix A). Based on historical documents, in 1954, Fort Tilden was a 317-acre facility being used as a Nike missile base. The land on which the USAR Center currently resides is undeveloped, and there appears to be narrow roads or trails amongst some vegetation. North of the Property, on the other side of Rockaway Point Boulevard, are small buildings that are most likely single-family residences. East of the Property are rows of buildings that appear to be military barracks. West of the Property are more narrow trails and small buildings. The land south of the Property is undeveloped.

The buildings comprising the USAR Center first appear in the 1966 aerial photograph (Figure 5, Appendix A). In 1966, the administration building and OMS building are visible, however, the POV parking area does not appear to be paved, and the MEP area is smaller than its present size. Several vehicles are parked in the MEP area. Properties north and east of the USAR Center are the same as in 1954. The small buildings that were west of the USAR Center in 1954 are no longer present, and there appears to be more vegetation in this area. The land south of the USAR Center is developed in 1966 and appears to be a Nike missile launch area. There is a crescent-shaped berm surrounding a warehouse-like structure, which is indicative of missile handling areas at other Nike missile bases. These berms were designed for blast protection purposes and were typically places where Army personnel fueled/defueled and armed/disarmed Nike missiles. In addition, the rectangular-shaped structures directly west of this berm appear to be doors for underground Nike missile silos.

In the 1975 aerial photograph (Figure 6, Appendix A), the POV parking area appears to be paved, and the MEP area has been expanded further east to its current size. Several vehicles are parked in the POV parking area, and the MEP area is nearly full. Land north of the USAR Center has not changed much from 1966 to 1975. Several of the barracks located east of the Property in 1966 are missing in the 1975 photograph. The land west of the Property is the same. The land south of the USAR Center still appears to be a Nike launch facility, and berms surrounding the Nike missile silos are visible.

The 1984 aerial photograph (Figure 7, Appendix A) shows little change from the 1975 aerial photograph. There appears to be more vegetation surrounding the Nike launch facility. In the 1994 aerial photograph (Figure 8, Appendix A), most of the barracks are gone east of the Property, and the land west of the Property is mostly overgrown with trees. In addition, the Nike launch site appears to be overgrown with trees and bushes.

The Google Earth image (Figure 9, Appendix A) shows the Property close to its current condition. A review of the Google Earth image shows several military vehicles and containers on the pavement and grass of the MEP area. Stressed vegetation is present at the grassed area at the southwestern portion of the Property. There does not appear to be any staining, and the stressed vegetation may be the result of foot and vehicle traffic. In addition, there appears to be stressed vegetation behind (east of) the OMS building. During the August 24, 2006, site reconnaissance, these areas were confirmed to be drainage swales stemming from roofing downspouts on the OMS building. Along the western fence, west of the MEP area, there appears to be some dark discoloration on the grass. This area is faint and not well defined, and could possibly be a shadow. No staining was observed on the grass during the August 24, 2006, site reconnaissance.

Review of USGS topographic maps from 1947, 1979, and 1995 (Figures 10, 11, and 3, Appendix A) indicates the same progression of development of the Property and surrounding areas as the historical aerial photographs. The buildings on the USAR Center are not present on the 1947 topographic map (Figure 10, Appendix A), although two locations marked "Blimp Hangar" and "West Rear Range" are located west of the Property. The Property first appears in the 1979 map (Figure 11, Appendix A) and is referred to as "U.S. Armory." The 1995 topographic map (Figure 3, Appendix A) identifies the Property as "U.S. Army Reserve Center."

3.3 Past Use, Storage, Disposal, and Release of Hazardous Substances

3.3.1 Past Use and Storage of Hazardous Substances

Information related to the past use and storage of hazardous substances at the Property was compiled through review of available site records, search of federal and state environmental databases, and interviews with USAR personnel. Based on these sources, hazardous materials have been stored at this facility. Safety Kleen was used until about 2001. When the Safety Kleen™ product was in use, Safety Kleen would remove solvent waste from the parts cleaner quarterly. A 1997 Safety Kleen manifest indicates that 17 gallons of used parts cleaner solvent/sludge were removed. 77th RRC personnel confirmed that hazardous substances are removed and disposed of by personnel from Fort Totten, Queens, New York.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Property was compiled through review of available site records, search of federal and state environmental databases, and interviews with 77th RRC personnel. According to USAR personnel and site records, onsite disposal of hazardous materials has not occurred at the Property. 77th RRC personnel that have been familiar with operations at the USAR Center for the past 18 years noted that personnel from Fort Totten, Queens, New York, have been responsible for removing hazardous waste generated by the OMS.

The SWP3 was prepared in March 2006 and states that no significant (reportable) spills or leaks have been reported during the last 3 years at the USAR Center (Bowne, 2006); however, a review of historical documents have identified releases. During the 1997 total facility assessment, two stains, assumed to be petroleum, were identified at the west side of the MEP area. One of the stains was on the paved area, and one was west of the paved area (Buffalo Facilities Engineering Team, 1997). The 1997 total facility assessment did not specify if the stains ran off the pavement, or if they were on the soil or grass. During the August 24, 2006, site reconnaissance, these stains were not present (416th Engineer Command, 1997).

3.4 Past Presence of Bulk Petroleum Storage Tanks

Based on a review of available site records, a search of federal and state environmental databases, and interviews with USAR personnel, three underground storage tanks (USTs) were previously located at this facility.

On March 31, 1993, petroleum product contamination was identified around the fill pipe of a 1,000-gallon No. 2 fuel oil UST that served the OMS building. The vent pipe, which ran vertically along the outside of the OMS building wall, had discharged No. 2 fuel oil in the immediate area along the wall and the ground beneath it. The pipe was historically known to spray No. 2 fuel oil over this same area, possibly as the result of internal pressure buildup. Additional contamination was noted covering an approximately 3-foot-diameter area around the pipe and appeared to be due to sloppy filling on the part of the No. 2 fuel oil contractor. 77th RRC personnel attempted to remove contaminated soil; however, the contamination was "far beyond the surface as originally perceived." No follow-up report was found that documents additional remedial activities in this area (Department of the Army, 1993).

The 1,000-gallon No. 2 fuel oil UST at the OMS building and two other USTs (550 and 6,000 gallons) containing No. 2 fuel oil were excavated and removed from the Property in 1997 (D & K Construction, 1997). The 1,000-gallon UST was located behind the northeast corner of the OMS building. This UST was installed in 1990 and was a double-wall, fiberglass-coated steel tank (416th Engineer Command, 1997). The total excavation depth for this UST was about 6 feet below grade. The 550- and 6,000-gallon USTs were both located behind the east wall of the administration building, just outside the boiler room. These USTs were installed in 1964 and were single-walled, carbon steel tanks (416th Engineer Command, 1997). The excavation depths for the 550- and 6,000-gallon USTs were about 6 and 10 feet below grade, respectively (D & K Construction, 1997).

The closure reports for these three USTs indicate that groundwater was not encountered in any of the excavations. There were no visible signs of leakage from the tanks, and analytical results from subsurface soil samples collected from the excavations indicate that compounds were either nondetect or below standard criteria. The 1997 total facility assessment report indicated that No. 2 fuel oil stains were present at two UST fill pipes. Based on the dates of the events, it is possible that one of the spills is referring to the incident described above, which occurred in 1993. These stains were not mentioned in the UST closure reports and were not observed during the August 24, 2006, site reconnaissance. A review of the New York State Department of Environmental Conservation (NYSDEC) Web site indicates that a spill on the USAR Center property was reported on November 11, 1993, and subsequently closed on November 12, 1993. NYSDEC defines "closed" as the following:

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either (a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or (b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary (<http://www.dec.state.ny.us/cfm/extapps/derfoil/spills/details.cfm>).

The NYSDEC Web site did not specifically mention if this spill was related to the USTs. In addition, there were no reports or letters from NYSDEC available for this ECP report that provide the status for these removed USTs.

Historical records suggest that a fourth UST (275-gallon No. 2 fuel oil UST) was abandoned in place in July 1997. Other records, however, indicate that this UST was mistaken for the 550-gallon No. 2 fuel oil UST mentioned above. The UST closure reports for the 550-, 1,000-, and 6,000-gallon USTs clearly state that these USTs were removed from the Property and were not abandoned in place.

3.5 Review of Previous Environmental Reports

A review of site records produced several reports pertaining to the Property. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

3.5.1 1988 Memorandum RE: ASIV Breezy Point, Gateway National Recreation Area, Queens, New York

This memorandum provides a site plan for the USAR Center and shows the location of a former wash rack located on the east side of the administration building. Information from this source is presented in Section 3.2.

3.5.2 1992 Sampling and Analysis Test Plan for USARC Rifle Ranges

This report was prepared by Gillan and Hartmann, Inc., which was contracted to assess the environmental impact of the historical use of indoor rifle ranges at USAR centers. Information from this source is presented in Section 3.2.

This report provides general information on historical uses of USAR centers. The report states that USAR centers were historically used by reservists for drill activities on various weekends throughout the year. Historically, training was conducted in one evening per week sessions in which training was performed at the individual facilities. Proficiency in marksmanship was required as part of the UTA training, and subcaliber (.22) rifle ranges were an integral instrument for unit training. Comprehensive training including the use of the indoor rifle ranges was performed for a period of time between the 1950s and the post-Vietnam era.

3.5.3 1993 Memorandum RE: POL Spill/Leak at Fort Tilden USAR Center

This memorandum documents a No. 2 fuel oil spill around the fill pipe of the former 1,000-gallon UST located behind the OMS building. Information from this source is presented in Section 3.4.

On March 31, 1993, petroleum product contamination was identified around the fill pipe of a 1,000-gallon No. 2 fuel oil UST that served the OMS building. The vent pipe, which ran vertically along the outside of the OMS building wall, had discharged No. 2 fuel oil in the immediate area along the wall and the ground beneath it. The pipe was historically known to spray No. 2 fuel oil over this same area, possibly as the result of internal pressure buildup. Additional contamination was noted covering an approximately 3-foot-diameter area around the pipe and appeared to be due to sloppy filling on the part of the No. 2 fuel oil contractor. 77th RRC personnel attempted to remove contaminated soil; however, the contamination was "far beyond the surface as originally perceived." No follow-up report was found that documents additional remedial activities in this area.

3.5.4 1997 UST Closure Report

This report documents the removal of three USTs from the USAR Center in 1997. The report provides detailed descriptions of the 550-, 1,000-, and 6,000-gallon USTs formerly located on the Property and includes analytical data for subsurface soil samples collected during the tank excavations. Information from this source is presented in the Executive Summary and Sections 3.4, 6.1, 8.1, and 8.2.

The 1,000-gallon UST was located behind the northeast corner of the OMS building. This UST was installed in 1990 and was a double-wall, fiberglass-coated steel tank (416th Engineer Command, 1997). The total excavation depth for this UST was about 6 feet below grade. The 550- and 6,000-gallon USTs were both located behind the east wall of the administration building, just outside the boiler room. These USTs were installed in 1964 and were single-walled, carbon steel tanks (416th Engineer Command, 1997). The excavation depths for the 550- and 6,000-gallon USTs were about 6 and 10 feet below grade, respectively.

The closure reports for these three USTs indicate that groundwater was not encountered in any of the excavations. There were no visible signs of leakage from the tanks, and analytical results from subsurface soil samples collected from the excavations indicate that compounds were either nondetect or below standard criteria. The 1997 total facility assessment report indicated that No. 2 fuel oil stains were present at two UST fill pipes. Based on the dates of the events, it is possible that one of the spills is referring to the incident described above, which occurred in 1993. These stains were not mentioned in the UST closure reports and were not observed during the August 24, 2006, site reconnaissance.

3.5.5 2001 Petroleum Bulk Storage Registration Certificate

This is a form that documents the specifications of the 396-gallon waste POL AST located in the MEP area. Information from this source is presented in Sections 2.3, 6.1, and 8.1.

3.5.6 2001 Environmental Compliance Assessment

This report provides a brief history of Fort Tilden and lists building specifications on the administration building, OMS buildings, and former USTs. The 416th Engineer Command noted the presence of No. 2 fuel oil spills next to two fill valves and petroleum-like staining in the MEP area. Information from this source is presented in Sections 2.3, 3.2, and 3.4.

3.5.7 2002 Geohydrology of Southeastern Pennsylvania

USGS prepared this report, which provides general geological and hydrogeological information for the Atlantic Coastal Plain Physiographic Province. Information from this source is presented in Section 2.4.

The USAR Center is located on the Rockaway Point Peninsula. The report states that the Rockaway Point Peninsula is a barrier island located within the Atlantic Coastal Plain Physiographic Province. The Atlantic Coastal Plain Physiographic Province is nearly flat with unconsolidated sediments of Cretaceous to Recent age overlying metamorphic and igneous rocks of Precambrian and early Paleozoic age.

3.5.8 2003 Third-Party Air Monitoring Report

B&B Environmental Consultants, Inc. performed third-party air monitoring during an asbestos abatement project in Rooms 129, 142, and 147 inside the administration building on July 7, 2003. A licensed asbestos abatement contractor removed about 70 linear feet of asbestos-containing pipe insulation. B&B was responsible for air sample collection, air sample analysis, and data reporting. Information from this source is presented in Section 6.5.

3.5.9 2003 Range Cleanup—NY022 77th RSC, Fort Tilden USAR Center

This report documents firing range decommissioning activities at the USAR Center. Decommissioning occurred in 2002 and activities included the following:

- Cleaning/removing stored items
- Removing sound deadening material
- Removing the bullet trap and associated lead
- Cleaning the range

- Cleaning and removing the air handling system
- Collecting clearance samples
- Scabbling and sealing the floor, if necessary, based on clearance data

Information from this source is presented in Sections 6.6 and 6.9.

3.5.10 2004 Asbestos Inspection Report

This report documents an asbestos inspection by Environmental Enterprise Group, Inc. (EEG) of Charleston, South Carolina, at the USAR Center on November 5, 2004. Information from this source is presented in Sections 6.5 and 8.1.

The inspection identified friable and nonfriable asbestos in the administration building. Highly friable asbestos-containing material (ACM) was identified in the thermal system insulation piping and fittings, and nonfriable ACM was in floor tile mastic. None of the ACM was found damaged during the November 5, 2004, inspection. ACM was not identified in the OMS building. The inspection report recommended abatement of the highly friable asbestos that was identified in the thermal system insulation piping and fittings. No additional documents were available for this ECP report that describe any asbestos abatement activities after the November 5, 2004, inspection.

3.5.11 2005 USAR Environmental Compliance Assessment

This document consists of a checklist that assesses environmental conditions at the USAR Center in September 2005. This document states that the pole-mounted transformers contain polychlorinated biphenyls (PCBs), a grease trap is present in the administration building, and that munitions are stored on the Property¹. Information from this source is presented in Sections 2.3, 6.6, 6.9, and 8.1.

3.5.12 2006 Stormwater Pollution Prevention Plan

The SWP3 was developed in response to identify sources of potential pollution, describe best management practices designed to minimize pollution through prevention and source control, and provide recommended actions for the USAR Center. The SWP3 also discusses stormwater runoff drainage, identifies point-source outfalls into local surface waters, and certifies outfalls for the presence of non-stormwater discharges. The following information obtained from the SWP3 is included in this final ECP report:

- Stormwater runoff flows as sheet flow across the parking areas, toward one storm sewer outfall located in the grassed area next to the western fence. In addition, runoff could potentially flow onto the adjoining property to the west. The soil at the USAR Center is sandy, and it is unlikely that stormwater could overflow the Property toward the Atlantic Ocean.
- The SWP3 states that no significant (reportable) spills or leaks have been reported during the last 3 years at the USAR Center.

¹ Note that it was later confirmed by 77th RRC personnel that munitions (that is, munitions and explosives of concern [MEC]) are not stored at the USAR Center.

- The SWP3 noted that the USAR Center is listed as a conditionally exempt small quantity hazardous waste generator by NYSDEC and has been issued a generation number of NY2213720889.

Information from this source is presented in Sections 2.4.1, 3.3.2, 5.1.5, 6.4, and 8.1.

4 Adjacent Properties

Adjacent property land uses are significant to the ECP process, as these current or past uses may have an environmental impact on the USAR Center. Adjacent properties were included in the EDR report review for this reason. Typically, adjacent properties within 0.25 mile of the USAR Center property boundaries are reviewed and visually surveyed. For the purposes of this ECP, the adjacent property reconnaissance was performed from the USAR Center property boundaries and from public access points. Historical aerial photographs and topographic maps also were reviewed for conditions or activities that may have had an environmental impact on the Property.

4.1 Land Uses

Land use to the east, west, and south of the USAR Center is currently the Gateway National Recreation Area. A review of recent aerial photographs shows that baseball fields are present on the parcel of land directly east of the USAR Center. West of the Property, the land mostly appears to be overgrown with trees, and a narrow road is visible. Directly south of the USAR Center is a wooded area, followed by the former Nike missile launch facility. The underground Nike missile vaults, support buildings, and blast protection berms are still visible in 1994 aerial photograph (Figure 8, Appendix A). As mentioned above, these parcels of land are now part of the Gateway National Recreation Area, although the former military buildings and structures are closed to the public for safety reasons (http://www.dmna.state.ny.us/forts/fortsT_Z/tildenFort.htm).

The USAR Center is bounded to the north by Rockaway Point Boulevard, a two-lane road. Single-family homes are located on the north side of Rockaway Point Boulevard.

The land surrounding the USAR Center has changed significantly over the years. In 1917, the U.S. Government initially developed Fort Tilden as a 317-acre Coastal Defense Post. During the World War I era, the Property included a mortar battery of four 12-inch mortars, an east battery consisting of two 6-inch rapid-fire guns, and a west battery with two 6-inch rapid-fire guns. During World War II, the U.S. Army added additional armaments and a Harbor Entrance Command Post. From 1955 to 1974, the property south of the USAR Center functioned as a Nike missile launch facility. The OMS and administration buildings were constructed in 1964 and 1965, respectively, for use as a USAR training center.

In 1976, at the cessation of the Nike missile program, the properties to the east, west, and south of the USAR Center were decommissioned, and eventually became the Gateway National Recreation Area. The remains of some of the World War I, World War II, and Nike missile base buildings and structures are still present in the area surrounding the current USAR Center, however, they are closed to the public for safety reasons (http://www.dmna.state.ny.us/forts/fortsT_Z/tildenFort.htm).

4.2 Findings

The EDR database search results were reviewed for any evidence that adjacent properties may have past or present environmental issues that would impact the USAR Center. The EDR report identified two water supply sources between 0.25 and 0.5 mile east-northeast, and between 0.5 and 1.0 mile north-northwest of the USAR Center. No records of contamination of these wells were found (EDR, 2006).

Based on historical documents, Fort Tilden was a 317-acre facility used for various missions from 1917 to 1976. Around 1976, the land east, west, and south of the USAR Center was transferred to the National Parks Service.

A former portion of Fort Tilden located 1,877 feet east-southeast of the USAR Center is listed in the Formerly Used Defense Sites (FUDS) database. As stated in the EDR report, this property is known or suspected to contain military MEC and therefore may contain an explosive hazard. Based on a review of aerial photographs and historical documents, this neighboring FUDS property is a former Nike Ajax/Hercules missile launch facility (USACE, 2003).

Operations involving the use of chemicals are well documented at Nike Ajax/Hercules missile launch facilities. Nike Ajax missile servicing involved the use of several hazardous substances including, but not limited to, solvents (including tetrachloroethylene [PCE], trichloroethylene [TCE], benzene, carbon tetrachloride, 1,1,1-trichloroethane [TCA], and 1,1,2-TCA), nitric acid, sodium dichromate, sulfuric acid, zinc chromate, and paints. The annual use and storage of these materials varied considerably. The solvents were used in cleaning, corrosion removal, painting, and preparation of parts. Sodium dichromate and zinc chromate were used in metal cleaning and paints, respectively. Inhibited red fuming nitric acid (IRFNA), an oxidizer, was used as a missile fuel/starter and sulfuric acid was used in lead-acid batteries. Unsymmetrical dimethylhydrazine (UDMH) was used as a starter, with ethylene oxide, and a propellant mixture (M3). The explosive harness assembly (M45) contained five pentaerythrite tetranthrate (PETN) relays. Metallic selenium was used in rectifier parts. The Nike Ajax missile used a 28-volt silver-cadmium battery with potassium hydroxide as the electrolyte (Law Engineering Testing Company, 1986).

Information reviewed did not indicate if there has been an investigation of or known release from this former Nike launch facility. The FUDS property is currently owned by the National Park Service and is part of the Gateway National Recreation Area (EDR, 2006).

The Breezy Point Gas Station, located 2,508 feet east-northeast of the USAR Center, reported a gasoline spill on November 3, 1987 (NYSDEC Spill Number 8706576). This spill occurred because of a tank test failure. The NYSDEC Spill Incidents Database indicates that groundwater was contaminated as a result of this spill. On August 13, 1997, the spill was closed by NYSDEC. As defined by the NYSDEC Spill Incidents Database Web site, a closed spill means either (a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or (b) the case was closed for administrative reasons (for example, multiple reports of a single spill consolidated into a single spill number). Due to the site's distance from the Property, and the fact that it has been closed by NYSDEC, the gasoline spill at this site most likely has not affected the environmental condition of the Property.

Table 1 summarizes the current adjacent properties and their owners.

TABLE 1
List of Properties Adjacent to Fort Tilden USAR Center
Fort Tilden, New York

Name/Type of Property	Distance and Direction from Property	Remarks	Potential Affect on Environmental Condition of Property
Fort Tilden (former parcel)	1,877 feet, east-southeast	FUDS database, possible MEC, solvents, nitric acid, sodium dichromate, sulfuric acid, zinc chromate, and paints	None identified
Breezy Point Gas Station	2,508 feet east-northeast	Gasoline spill in 1987; closed by NYSDEC 1997	None identified

FUDS – formerly used defense sites
MEC – munitions and explosives of concern
NYSDEC – New York State Department of Environmental Conservation

5 Review of Regulatory Information

An essential component of an ECP is the review of records and databases containing information on the Property and adjacent properties. The review includes reasonably obtainable federal, state, and local government records, and is intended to identify a release or likely release of any hazardous substance or any petroleum product, which is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product to the Property.

The majority of the regulatory information for this ECP was obtained from EDR on July 28, 2006. EDR provides a regulatory database summary that consolidates standard federal, state, local, and tribal environmental record sources based on ASTM D6008-recommended minimum search distances from the Property.

All findings reported in Sections 5.1, 5.2, and 5.3 are from the EDR report unless otherwise noted. A copy of the complete EDR report is included in Appendix E.

5.1 Federal Environmental Records

5.1.1 Federal National Priorities List Sites within 1 Mile

USEPA maintains a record of the nation's worst uncontrolled or abandoned hazardous waste sites, known as the National Priorities List (NPL). Sites on the NPL undergo long-term remedial action under CERCLA. The USAR Center is not an NPL site, nor were there any such sites located within 1 mile of the Property (EDR, 2006).

5.1.2 Federal Comprehensive Environmental Response, Compensation and Liability Act Information Systems Sites within 0.5 Mile

The CERCLA Information System (CERCLIS) contains data on potentially hazardous waste sites that have been reported to USEPA by state, municipalities, private companies, and private persons, pursuant to Section 103 of CERCLA. CERCLIS contains sites that either are proposed to be or are on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL. The USAR Center is not a CERCLIS site, and there are no CERCLIS sites located within 0.5 mile of the USAR Center (EDR, 2006).

5.1.3 Resource Conservation and Recovery Act Corrective Action Sites within 1 Mile

Resource Conservation and Recovery Act (RCRA) corrective action sites (CORRACTS) represent facilities that have generated or managed hazardous wastes and require corrective action. The USAR Center is not a CORRACTS, nor were there any such sites identified within 1 mile of the USAR Center (EDR, 2006).

5.1.4 RCRA Treatment, Storage, and/or Disposal Sites within 0.5 Mile

RCRA defines and regulates sites that generate, transport, treat, store, and/or dispose (TSD) of hazardous wastes. The RCRA Information System (RCRIS) includes selective information on these sites. The USAR Center is not an RCRIS TSD site, and there are no such sites located within 0.5 mile of the USAR Center (EDR, 2006).

5.1.5 Federal RCRA Small and Large Quantity Generators List within 0.25 Mile

Conditionally exempt small quantity generators are defined as facilities generating less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. RCRA small quantity generators are defined as facilities generating between 100 and 1,000 kg of hazardous waste per month. A facility generating more than 1,000 kg of hazardous waste or over 1 kg of acutely hazardous waste per month is defined as a large quantity generator.

The 2006 EDR report did not list the USAR Center as an RCRA-registered small quantity generator. The 2006 SWP3 noted that the USAR Center is listed as a conditionally exempt small quantity hazardous waste generator by NYSDEC and has been issued a generation number of NY2213720889 (Bowne, 2006). No RCRA violations are associated with the USAR Center (EDR, 2006).

No large quantity generators are located within 0.25 mile of the USAR Center (EDR, 2006).

5.1.6 Federal Emergency Response Notification System List

The Federal Emergency Response Notification System (ERNS) List maintains information on reported releases of oil and hazardous substances. The USAR Center is not on this notification list (EDR, 2006).

5.2 State and Local Environmental Records

Most of the information presented in this subsection was obtained from the EDR report. Additional information also was obtained from online database searches of the State of New York's Department of Environmental Conservation Web site (<http://www.dec.state.ny.us/cfm/extapps/derfoil/index.cfm?pageid=2>). Occasionally, state and local agency personnel were interviewed via telephone to answer questions about any database issues.

5.2.1 State Lists of Hazardous Waste Sites within 1 Mile

The USAR Center is not on the state list of hazardous waste sites. No adjacent properties within 1 mile of the USAR Center were listed as having a hazardous waste site (EDR, 2006).

5.2.2 State-Registered Landfills or Solid Waste Disposal Sites within 0.5 Mile

The USAR Center does not have a solid waste landfill, incinerator, or transfer station within the Property boundaries. No adjacent properties within 0.5 mile of the USAR Center have a solid waste landfill, incinerator, or transfer station (EDR, 2006).

5.2.3 State-Registered Leaking UST Sites within 0.5 Mile

In addition to information obtained from the EDR report, the New York Division of Underground Storage Tanks maintains a comprehensive database of leaking underground storage tank (LUST) sites. The USAR Center is not listed in the state LUST database (NYSDEC, Spill Incidents Database).

The Breezy Point Gas Station, however, is located 2,508 feet east-northeast of the USAR Center and reported a gasoline spill on November 3, 1987 (NYSDEC Spill Number 8706576). Table 2 summarizes its information relative to the USAR Center and provides the status of its corrective action. This spill occurred because of a tank test failure. The NYSDEC Spill Incidents Database indicates that groundwater was contaminated as a result of this spill. On August 13, 1997, the spill was closed by NYSDEC. As defined by the NYSDEC Spill Incidents Database Web site, a closed spill means either (a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or (b) the case was closed for administrative reasons (for example, multiple reports of a single spill consolidated into a single spill number).

TABLE 2
 Leaking Underground Storage Tank Sites
Near Fort Tilden USAR Center, Fort Tilden, New York

Company/Site	Address	Distance and Direction from Property	Regulatory Status	Elevation Relative to Property
Breezy Point Gas Station	34 State Road New York City, NY 10004	2,508 feet east-northeast	Spill closed on August 13, 1997	Higher

5.2.4 State-Registered UST Sites within 0.5 Mile

Based on a review of the 2006 EDR report and the state of New York's UST database, the Breezy Point Gas Station was the only UST site identified within 1 mile of the USAR Center. The 2006 EDR report did not list any active USTs at this property.

5.2.5 State Spills Incidents

The USAR Center is not listed on the New York state petroleum spill list (NYSDEC, Spill Incidents Database).

5.2.6 Records of Contaminated Public Wells

The EDR report identified two water supply sources between 0.25 and 0.5 mile east-northeast, and between 0.5 and 1.0 mile north-northwest of the USAR Center. No records of contamination of these wells were found (EDR, 2006).

5.2.7 Voluntary Remediation Program Sites within 0.5 Mile

The USAR Center is not listed in New York's Brownfield Program (the successor to the Voluntary Cleanup Program). No sites located within 0.5 mile of the USAR Center are listed as being in the Brownfield Program.

5.2.8 State-Registered Bulk Fertilizer and Pesticide Storage Facilities within 0.25 Mile

The USAR Center is not registered with the state as a bulk fertilizer and pesticide storage facility. Additionally, no adjacent properties within 0.25 mile were registered as one of these facilities (EDR, 2006).

5.3 Unmapped Sites

Some sites within the databases EDR searches have the same zip code as the USAR Center, but no street address. These sites, known as unmapped or orphan sites, cannot be mapped from the EDR results alone. Additional efforts described herein were made to locate these sites and assess their environmental importance to the USAR Center.

Five orphan sites were identified in the 2006 EDR report. The locations of these orphan sites could not be accurately determined and are assumed to be located about 1 to 1.25 miles from the USAR Center. Below is a brief summary for each of the five sites and their relevance to the Property.

- Breezy Point Surf Club – This property is listed as a retail gasoline sales facility (gas station). The 2006 EDR report lists a fiberglass-reinforced AST containing sodium hypochlorite. No spills or releases were reported for this facility.
- State Road, Rockaway INL – A review of the 2006 EDR report and the NYSDEC Spill Incidents Database indicates that a petroleum release occurred at this property; however, NYSDEC indicates that the spill was closed on November 12, 1993. The amount and type of substance was not listed in the database records, and no violations were found for this facility.
- Lovoi Super Service – This facility stores waste oil in ASTs. No spills or releases were reported for this facility.
- Fort Tilden Service Station – This facility was a gas station. No spills or releases were reported for this facility.
- Lovoi Super Station – This facility was a gas station that contained gasoline USTs. No spills or releases were reported for this facility.

Based on this information, none of the orphan sites presents an environmental risk to the USAR Center.

5.4 Summary of Properties Evaluated to Determine Risk to the Property

To summarize Sections 5.1 through 5.3, none of the properties evaluated in these sections present a potential risk to the Property. This information was compiled as a result of information obtained during area reconnaissance, interviews, and regulatory database searches. Refer to Section 4 for a discussion of the adjacent FUDS property that may affect the environmental condition of the USAR Center.

6 Site Investigation and Review of Hazards

Findings documented in the following subsections are based on the August 24, 2006, site reconnaissance, a review of available site records, and information obtained from USAR personnel.

6.1 USTs/ASTs

There is one 396-gallon waste POL AST on the Property (NYSDEC, 2001). During the August 24, 2006, site reconnaissance, dark stains were observed on the asphalt pavement next to this AST; however, these stains did not run off the pavement. 77th RRC personnel were not aware of any releases with this AST.

Based on a review of available site records, a search of federal and state environmental databases, and interviews with USAR personnel, three USTs were previously located at this facility (D & K Construction, 1997). Details on the removal of the three USTs, and associated sampling activities, are presented in Section 3.4.

6.2 Inventory of Chemicals/Hazardous Substances

Records pertaining to hazardous substances including hazardous materials, chemical bulk storage, petroleum products, hazardous waste, and petroleum waste were reviewed in addition to interviews and the site reconnaissance to develop the inventory for this Property. Maintenance activities conducted at the OMS building include oil, hydraulic fluid, and antifreeze changes; oil filter replacement; parts cleaning; vehicle washing; engine repair; and brake servicing. As such, the USAR Center is listed as a conditionally exempt small quantity hazardous waste generator by NYSDEC and has been issued a generation number of NY2213720889 (Bowne, 2006). 77th RRC personnel confirmed that hazardous substances are removed and disposed of by personnel from Fort Totten, Queens, New York.

Evidence of hazardous materials storage was observed during the August 24, 2006, site reconnaissance. The following items were observed in the OMS building:

- Motor oil
- Lube oil
- Antifreeze
- Gear oil
- Transmission fluid
- Brake fluid
- Methanol
- Brake Free oil
- Penetrating oil
- Battery acid
- Methanol alcohol
- Various paint products
- Windshield washer fluid
- Cleaner, lubricant, and petroleum
- Tire lubricant
- Automotive grease
- Molybdenum grease
- Automotive and artillery grease
- Dry cleaning solvent (light aliphatic naphtha, VM & P naphtha, lacolene, 1,2,4,-trimethylbenzene)
- Batteries (wet cell and dry cell)
- Fuel filters
- Oil filters

77th RRC personnel provided disposal records for substances that were removed from the USAR Center in 2005. The items listed above were on this list in addition to the following items:

- Diesel fuel
- Oily rags
- Batteries (wet cell, lead/acid-type)
- Mercury-containing lamps
- Kerosene
- Solvent cleaner containing trichloroethane mineral spirits
- 1,1,1-TCA, dimethylformamide
- Oil-based paint with solvents xylene, toluene
- Ethylene glycol, propylene glycol, water
- Chlorinated lime, water

Quart-size containers of motor oil were stored in various places inside the OMS without secondary containment; however, there were no spills or staining around these containers. Batteries were stored inside the OMS building on a secondary containment pallet (Photograph 8, Appendix B). The northern interior of the OMS building consisted one office and one bathroom. No floor drains or trench drains were identified within the OMS building.

Four sea-box containers are located in the MEP area. The sea-box containers, which are about 8 feet wide by 10 feet long, are locked when not in use. The containers store used and unused POL substances and are designed with secondary containment. During the August 24, 2006, site reconnaissance, there was no sign of stressed vegetation or dead grass next to the containers. Some dark stains were identified in the MEP lot, although none of the stains was observed running off the pavement. Reddish-brown staining was present on the pavement around the containers.

Other than the assumed routine household and yard use of pesticides and herbicides, no evidence of pesticide or herbicide use (empty containers, dead or stressed vegetation) was observed during the site reconnaissance. 77th RRC personnel interviewed during the August 24, 2006, site reconnaissance were not aware of the use of any pesticides or herbicides.

6.3 Waste Disposal Sites

Available records and interviews did not indicate the practice of onsite waste disposal. No waste disposal sites were observed during the August 24, 2006, site reconnaissance. There were no signs of past onsite waste disposal observed.

6.4 Pits, Sumps, Drywells, and Catch Basins

A review of historical records and interviews with 77th RRC personnel identified three wash racks on the Property. One of these wash racks is still present on the Property, and two of these wash racks have been abandoned at an unknown time. Section 3.2 provides

additional information on the two abandoned wash racks. The current wash rack is concrete with concrete curbing and is about 32 feet long by 30 feet wide, with two drains. Dark stains were present around the drains, although none of the stains ran off the pavement. During the August 24, 2006, site reconnaissance, a hose was present on the active wash rack, and it appeared to have been recently used; however, according to 77th RRC personnel, has not been used in years and is used occasionally to stage vehicles or equipment. The active wash rack is connected to an OWS located on the southeast side of the OMS building. The OWS is located underground, beneath a concrete pad and metal plate, and is connected to the local sanitary sewer system (Browne, 2006).

The parts cleaning devices located in the OMS building use hot water and a detergent solution (Photograph 1, Appendix B). According to 77th RRC personnel, the parts washers have an internal OWS, which acts as a closed loop system recycling wash fluid. Effluent from the parts washers can drain into the sanitary sewer.

One sump and two floor drains were identified in the boiler room (Photographs 9 through 11, Appendix B). The floor of the boiler room appeared to be recently painted, and no stains were visible. Although the drain discharge locations are unknown, no corrosion was observed during the August 24, 2006 site reconnaissance, no known releases have been associated with these drains.

An abandoned maintenance pit was identified in the OMS building (Photograph 6, Appendix B). The former maintenance pit was previously an open pit in the OMS building that was used for servicing vehicles. The pit was reportedly in operation from 1964 until it was abandoned by filling it with concrete at an unknown date. The condition of the pit before closure was not available. There were no reports available for this ECP report documenting closure activities or maintenance and inspections of the pit to confirm there had been no releases. A review of the as-built drawings for the OMS building and knowledge of the closure of the trench drain indicate that there were no floor or trench drains anywhere in the OMS, including the former maintenance pit (77th RRC, 2007). The former OMS maintenance pit was not intended to receive significant volumes of fluids, and there are no records regarding operations or maintenance of the pits.

In addition, an approximately 2-foot-diameter concrete patch was present in the pavement outside the south door of the OMS building (Photograph 3, Appendix B). A review of the as-built drawings for the OMS building indicates that there are no storm or sanitary drains in this area of the building. It is believed that this patch is just a repair to the concrete and not associated with the closure of any drains (77th RRC, 2007).

Based on the SWP3, stormwater runoff flows as sheet flow across the parking areas, toward one storm sewer outfall located in the grassed area next to the western fence. In addition, runoff could potentially flow onto the adjoining property to the west.

6.5 Asbestos-containing Material

Based on a review of historical records, about 70-linear feet of asbestos-containing pipe insulation was removed from Rooms 129, 142, and 147 inside the administration building in July 2003 (B&B, 2003). On November 5, 2004, an asbestos inspection was conducted at both buildings on the Property and identified friable and nonfriable asbestos in the

administration building. Highly friable ACM was identified in the thermal system insulation piping and fittings, and nonfriable ACM was in floor tile mastic. None of the ACM was found damaged during the November 5, 2004, inspection. ACM was not identified in the OMS building (EEG, 2004). The December 2004 asbestos inspection report recommended abatement of the highly friable asbestos that was identified in the thermal system insulation piping and fittings. There was no follow-up documentation regarding asbestos abatement activities after this inspection, and the ACM identified in November 2004 is assumed to exist at the USAR Center.

During the August 24, 2006, site reconnaissance, some of the insulation in the boiler room appeared to be damaged, and one of the pipes at the south end of the boiler room appeared to have been burned.

6.6 PCB-containing Equipment

Three pole-mounted transformers were identified on the east side of the administration building during the August 24, 2006, site reconnaissance. No evidence of leakage was observed. Based on the 2005 environmental compliance assessment, these transformers contain PCBs (77th RRC, 2005). No information was reasonably available regarding the owner of the transformers.

Light ballasts with PCBs were reportedly put into two 5-gallon containers and removed from the site during the former firing range decommissioning activities (IT, 2003).

No other electrical or hydraulic lifts that could potentially contain PCB oils were identified during the site visit or in the available records reviewed. Site personnel interviewed during the August 24, 2006, site reconnaissance did not know of any other potential PCB-containing equipment or current or past use of PCBs on the Property.

6.7 Lead-based Paint

No historical records were identified that document an LBP survey at this Property; however, because the buildings on the Property were constructed before 1978, there is potential for LBP. At the time of the August 24, 2006, site reconnaissance, the painted surfaces inside the buildings were in good condition. The exterior of the OMS and administration buildings are constructed with a brick veneer, and no chipped or peeling paint were noted on the buildings exteriors.

6.8 Radon

No historical records were identified that document a radon survey at this Property. The USEPA map of radon zones indicates that the USAR Center is in Zone 3, meaning it has a low potential for radon (less than 2 picoCuries per liter [pCi/L]) (<http://www.epa.gov/radon/zonemap/newyork.htm>).

6.9 Munitions and Explosives of Concern

Historically, a mortar battery and two batteries with rapid-fire guns were located on the Property. During World War II, the U.S. Army added additional armaments and a Harbor Entrance Command Post. From 1955 to 1974, the property south of the USAR Center functioned as a Nike missile launch facility.

A 2005 assessment reported that the USAR Center stored either “munitions or ordnance” on the Property (77th RRC, 2005). An arms vault is located in the administration building and is used to store rifles and pistols; however, the 77th RRC indicated that no munitions or ordnance are currently stored on the Property. While munitions or ordnance were historically stored on the Property, there are no reports or evidence of MEC on the Property.

There was an indoor firing range on the Property located in the administration building; however, it was decommissioned in 2002. During this decommissioning, all range structures were removed and disposed, including hazardous lead, recycled metal, nonhazardous waste, PCB light ballasts, and fluorescent light tubes. Clearance wipe samples indicated that residual lead levels were below the clearance level of 200 micrograms per square foot (IT, 2003).

6.10 Radioactive Materials

Based on the August 24, 2006, site reconnaissance and interviews with USAR Center personnel, radioactive materials were present in equipment used on the Property. Meters used to monitor nuclear, biological, and/or chemical (NBC) hazards were stored in the administration building. These meters apparently contain small quantities of radioactive material in sealed containers and are not regulated. There are no known spills associated with these radioactive materials.

7 Review of Special Resources

7.1 Land Use

The area has been zoned as residential. Based on zoning maps accessed at the New York City Web site, the USAR Center is located in an area that is primarily used for residential land uses. As mentioned in Section 1, the Property is bounded by Rockaway Point Boulevard to the north and the Gateway National Recreation Area to the east, west, and south.

7.2 Coastal Zone Management

The New York State Division of Coastal Resources is the lead agency for the New York Coastal Zone Management Program. The USAR Center is located on the Rockaway Peninsula, a barrier island, and falls under the jurisdiction of this program. The Division of Coastal Resources map lists the Rockaway Peninsula as a significant coastal fish and wildlife habitat (<http://www.nyswaterfronts.com>).

7.3 Wetlands

According to the U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory map, no jurisdictional wetland areas are identified on the Property or on adjacent properties. The nearest wetland is located about 1,700 feet west-northwest of the Property.

During the August 24, 2006, site reconnaissance, no conditions were present that suggested the presence of wetlands on the Property (that is, areas with standing water or wetland vegetation). Based on STATSGO data, the soils present at the Property are Urban Land, and do not meet the requirements for a hydric soil (that is, wetland indicator soils) (EDR, 2006).

7.4 100-year Floodplain

A review of the Federal Emergency Management Agency (FEMA) digital Flood Hazard Area map indicates that the USAR Center is in an area protected by levees from the base flood. As such, the USAR Center is not within the 100-year floodplain elevation.

7.5 Natural Resources

A total facility assessment report, prepared in April 1997, indicates that there are no records available that document a natural resources assessment (Buffalo Facilities Engineering Team, 1997). During the August 24, 2006, site reconnaissance, 77th RRC personnel were not aware of any threatened or endangered species or habitat on the Property.

7.6 Cultural Resources

The OMS and administration buildings were constructed in 1964 and 1965, respectively. A total facility assessment report, prepared in April 1997, indicates that there are no records available that document a historic preservation assessment (Buffalo Facilities Engineering Team, 1997). During the August 24, 2006, site reconnaissance, 77th RRC personnel were not aware of any historic or archaeologically significant resources on the Property.

7.7 Other Special Resources

Based on a review of available current and historical documents, no additional special resources were identified on the Property. As mentioned in Section 3, the land to the east, west, and south was formerly part of Fort Tilden; however, it is now the Gateway National Recreation Area.

8 Conclusions

The following information was obtained after conducting an environmental record search, including records for adjacent properties, reviewing available historical information, conducting interviews with knowledgeable parties connected with the Property or with state and local agencies, and conducting a reconnaissance of the Property and adjacent properties.

8.1 Review of Findings

Hazardous Substances. Hazardous substances pursuant to CERCLA §101(14) (42 United States Code 9601 (14)) were used and stored at the Property in amounts necessary to support unit-level vehicle and building maintenance activities. At the time of the site reconnaissance, all substances were stored in good condition. An abandoned maintenance pit was identified in the OMS building. The former maintenance pit was previously an open pit that was used for servicing vehicles, and it was abandoned with concrete at an unknown date. Because it was used for vehicle maintenance activities (that is, changing oil and other fluids) which typically included use of POL products and hazardous substances, and the construction, condition of the pit, and closure details are unknown, a release to the environment could have occurred from the pit. According to 77th RRC personnel, however, there were no floor or trench drains anywhere in the OMS, including the former maintenance pit.

Historical records indicate the presence of three wash racks on the Property, consisting of an active wash rack and OWS, a former wash rack, and an inactive abandoned and partly disassembled wash rack. No records were available for the removal of the wash rack, and no maintenance records were available for the active wash rack and OWS. Based on process knowledge, however, only de minimis quantities of hazardous substances or POL products would be suspected to have the potential to be released to the environment.

One sump and two floor drains were identified in the boiler room. Although the discharge locations for these floor drains could not be verified based on a review of historical records and interviews with 77th RRC personnel, discharges to the environment would be considered de minimis.

USTs/ASTs. There is one 396-gallon waste POL AST on the Property. Three USTs were previously located at this facility and have been removed. Historical records indicate spills at two of these USTs, with one spill obtaining regulatory closure. Although the UST closure reports indicate no contamination above regulatory levels, there is no documentation of UST closure approval from NYSDEC.

Historical records suggest that a fourth UST (275-gallon No. 2 fuel oil UST) was abandoned in place in July 1997. Other records, however, indicate that this UST was mistaken for one of the other fuel oil USTs already removed.

Non-UST/AST Petroleum Storage. In addition to the 396-gallon AST, petroleum substances were stored in the OMS building, inside flammable storage cabinets, and in four sea-box containers with secondary containment located in the MEP area.

PCBs. Three pole-mounted transformers were identified on the east side of the administration building during the August 24, 2006, site reconnaissance. These transformers reportedly contain PCBs. No evidence of leakage was observed. Light ballasts with PCBs were reportedly put into two 5-gallon containers and removed from the site during the former firing range decommissioning activities.

ACM. Approximately 70 linear feet of asbestos-containing pipe insulation was removed from Rooms 129, 142, and 147 inside the administration building in July 2003. A November 5, 2004, asbestos inspection identified undamaged friable and nonfriable ACM in the administration building. The December 2004 asbestos inspection report recommended abatement of the highly friable asbestos that was identified in the thermal system insulation piping and fittings. There was no follow-up documentation regarding asbestos abatement activities after this inspection, and the ACM identified in November 2004 is assumed to exist at the USAR Center. ACM was not identified in the OMS building.

LBP. No historical records were identified that document an LBP survey at this Property; however, because all buildings on the Property were constructed before 1978, there is potential for LBP. At the time of the August 24, 2006, site reconnaissance, the painted surfaces inside the buildings were in good condition. The exterior of the OMS and administration buildings are constructed with a brick veneer, and no chipped or peeling paint was noted on the buildings exteriors.

Radiological Materials. Radioactive materials were present in equipment used on the Property. Meters used to monitor NBC hazards were stored in the administration building. These meters apparently contain small quantities of radioactive material in sealed containers and are not regulated. There are no known spills associated with these radioactive materials.

Radon. No historical records were identified that document a radon survey at this Property. The USEPA map of radon zones indicates that the USAR Center is in Zone 3, meaning it has a low potential for radon (less than 2 pCi/L).

MEC. While munitions or ordnance were historically stored on the Property, there are no reports or evidence of MEC on the Property.

Surrounding Properties. The EDR database search results were reviewed for evidence that adjacent properties may have past or present environmental issues that would impact the USAR Center. One adjacent property was identified during this evaluation.

A former portion of Fort Tilden located 1,877 feet east-southeast of the USAR Center is a FUDS property that has been identified as a former Nike Ajax/Hercules missile launch facility. This property is suspected to contain military MEC and therefore may contain an explosive hazard. In addition, solvents, nitric acid, sodium dichromate, sulfuric acid, zinc chromate, and paints were commonly used at these facilities, and based on investigations conducted at other similar Nike Ajax/Hercules missile launch facilities, may have been released to the environment. It is unknown whether activities at the FUDS property would

have a potential adverse affect on the Property. This property is owned by the National Park Service and is part of the Gateway National Recreation Area.

Wetlands and Floodplain. According to the USFWS National Wetlands Inventory maps, the 2006 EDR report, and visual observations, no wetlands were observed or appear to be associated with any of the facilities at the USAR Center or with any adjacent properties. The Property is not located within a 100-year floodplain, although it is within a coastal zone.

Threatened and Endangered Species. A total facility assessment report, prepared in April 1997, indicates that there are no records available that document a natural resources assessment. During the August 24, 2006, site reconnaissance, 77th RRC personnel were not aware of any threatened or endangered species or habitat on the Property.

Archaeological and Historical Resources. The OMS and administration buildings were constructed in 1964 and 1965, respectively. A total facility assessment report, prepared in April 1997, indicates that there are no records available that document a historic preservation assessment. During the August 24, 2006, site reconnaissance, 77th RRC personnel were not aware of any historic or archaeologically significant resources on the Property.

8.2 Environmental Condition of Property

Findings of this ECP report were based on reasonably available environmental information; interviews with site, state, and local personnel; review of previous environmental studies; and federal and state database and file information related to the storage, release, treatment, or disposal of hazardous substances or petroleum products. Results also were based on visual observations of the Property and adjacent properties.

In accordance with DoD policy defining the classifications (see Sherri Goodman memorandum dated 21 October 1996), the Property has been classified into one of seven property types. Based on the results of this ECP study, the Property has been assigned an overall DoD Environmental Condition Type 2. The Property type is based primarily on the following major finding:

- The former 550-, 1,000-, and 6,000-gallon No. 2 fuel USTs. Based on historical documents, spills occurred the fill pipe for the 1,000-gallon UST and at the fill pipe for another UST not specifically identified in the records. NYSDEC identifies one of these spills as being closed (although the NYSDEC closure does not specifically identify the spill as being associated with the UST). All USTs have been removed, with no associated contamination remaining.

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Persons Contacted

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- 77th RRC, OMS Building, August 24, 2006
- 77th RRC, Administration Building, August 24, 2006
- 77th RRC, Administration Building, August 24, 2006
- 77th RRC, OMS Building, August 24, 2006
- 77th RRC, 718-352-5155, August 24, 2006

Resources Consulted

- Aerial photographs provided by Environmental Data Resources, Inc. (EDR) dated 1954, 1966, 1975, 1984, and 1994.
- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory Map, <http://wetlandsfws.er.usgs.gov.wtlnds/launch.html>.
- U.S. Geologic Survey (USGS) 7.5-minute 1:24,000 topographic maps provided by Environmental Data Resources, Inc. (EDR). Coney Island Quad dates 1947, 1979, and 1995.

State and Local Regulatory Databases

- New York State Department of Environmental Conservation (NYSDEC), Spill Incidents Database Search, <http://www.dec.state.ny.us/cfm/xtapps/derfoil/index.cfm?pageid=2>.
- New York State Division of Coastal Resources Online. <http://www.nyswaterfronts.com>.
- New York City Web site, access zoning maps online: <http://home2.nyc.gov/html/dcp/pdf/zone/map29d.pdf>

Online Sources

- Brooklyn-Queens Aquifer System, <http://www.epa.gov/region02/water/aquifer/brooklyn/brooklyn.htm#I2>.
- Historical Information on Fort Tilden, http://www.dmna.state.ny.us/forts/fortsT_Z/tildenFort.htm.
- NYSDEC Spill Incidents Database, <http://www.dec.state.ny.us/cfm/xtapps/derfoil/index.cfm?pageid=2>.

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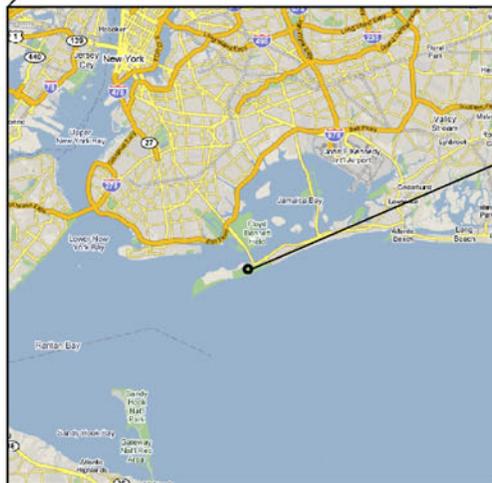
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Appendix A
Figures

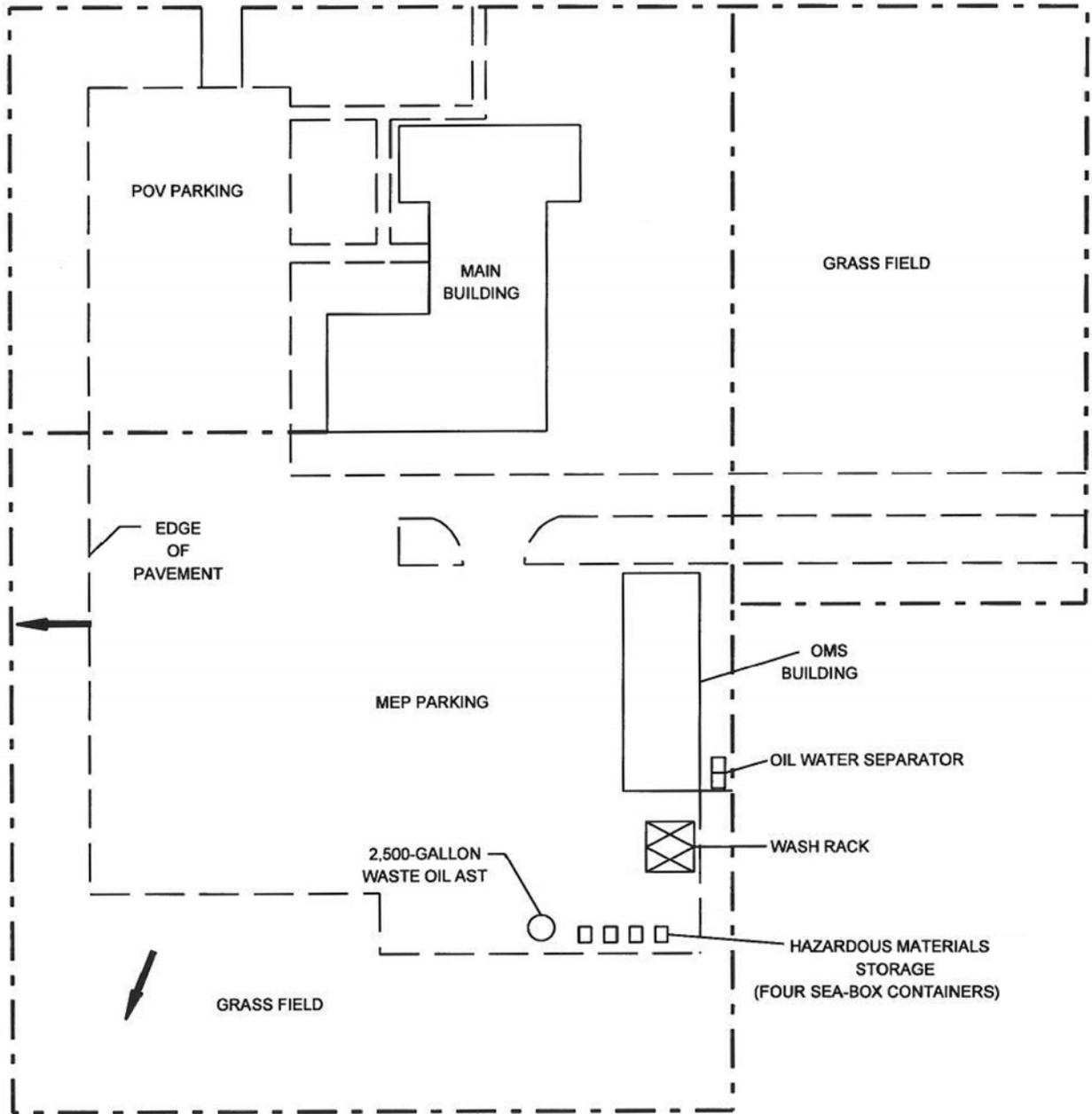


**FORT TILDEN
USAR CENTER
415 ROCKAWAY POINT BOULEVARD
FORT TILDEN, NY 11697**

North
Not To Scale

FIGURE 1
General Site Location Map
Fort Tilden U.S. Army Reserve Center (NY022)
Phase I ECP Report

ROCKAWAY POINT BOULEVARD



SLOPE DIRECTION



APPROXIMATE LOCATION OF FENCE-LINE

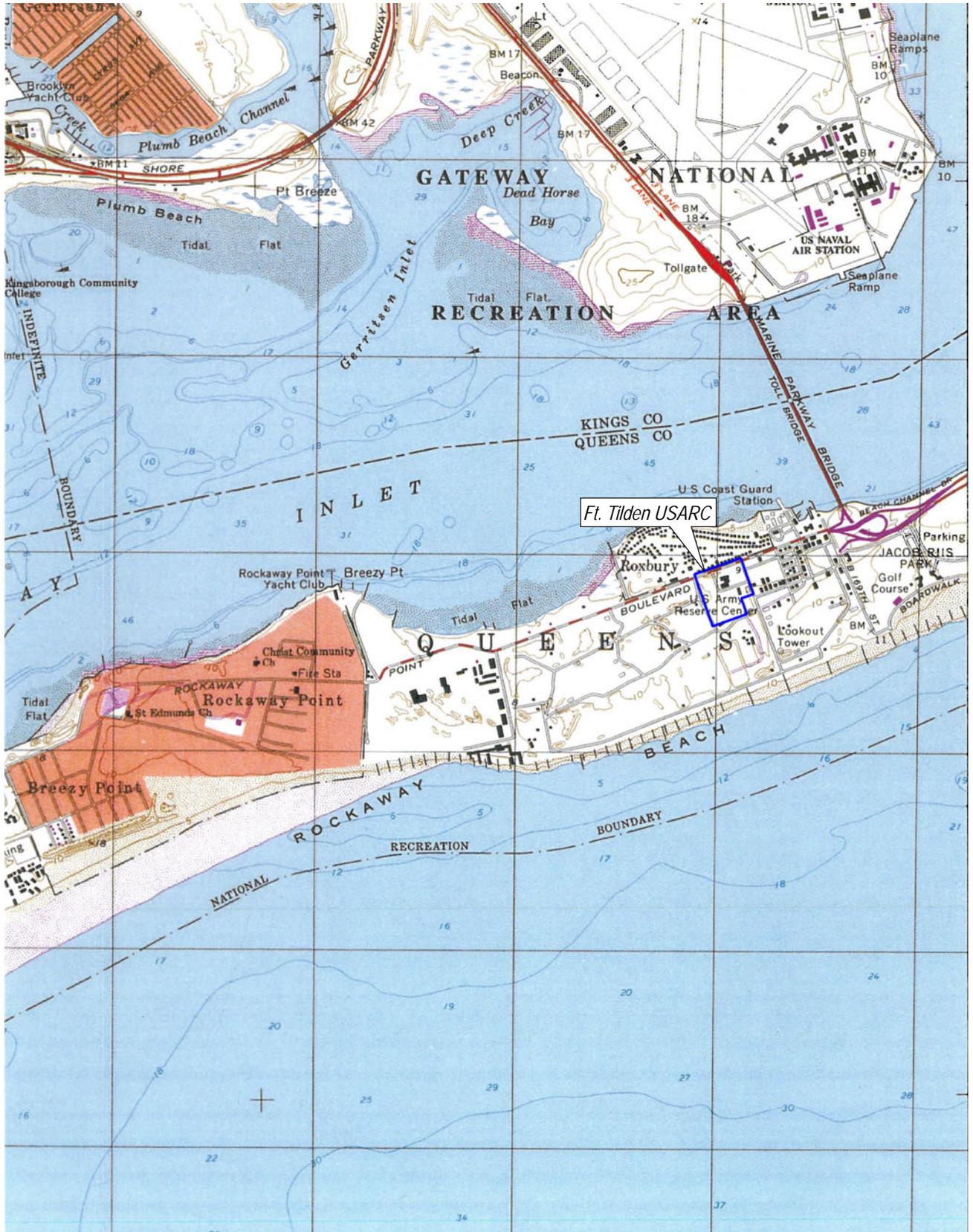


APPROXIMATE Scale In Feet



North

FIGURE 2
Site Layout Plan
Fort Tilden U.S. Army Reserve Center (NY022)
Phase I ECP Report



N ^ EDR INQUIRY# 1725083.34 TARGET QUAD: CONEYISLAND YEAR: 1995 Series: 7.5' Scale: 1:24,000



FIGURE 3
 1995 USGS 7.5 Minute Topographic Map, Coney Island
 Fort Tilden U.S. Army Reserve Center (NY022)
 Phase I ECP Report



INQUIRY #: 1725083.35

YEAR: 1954

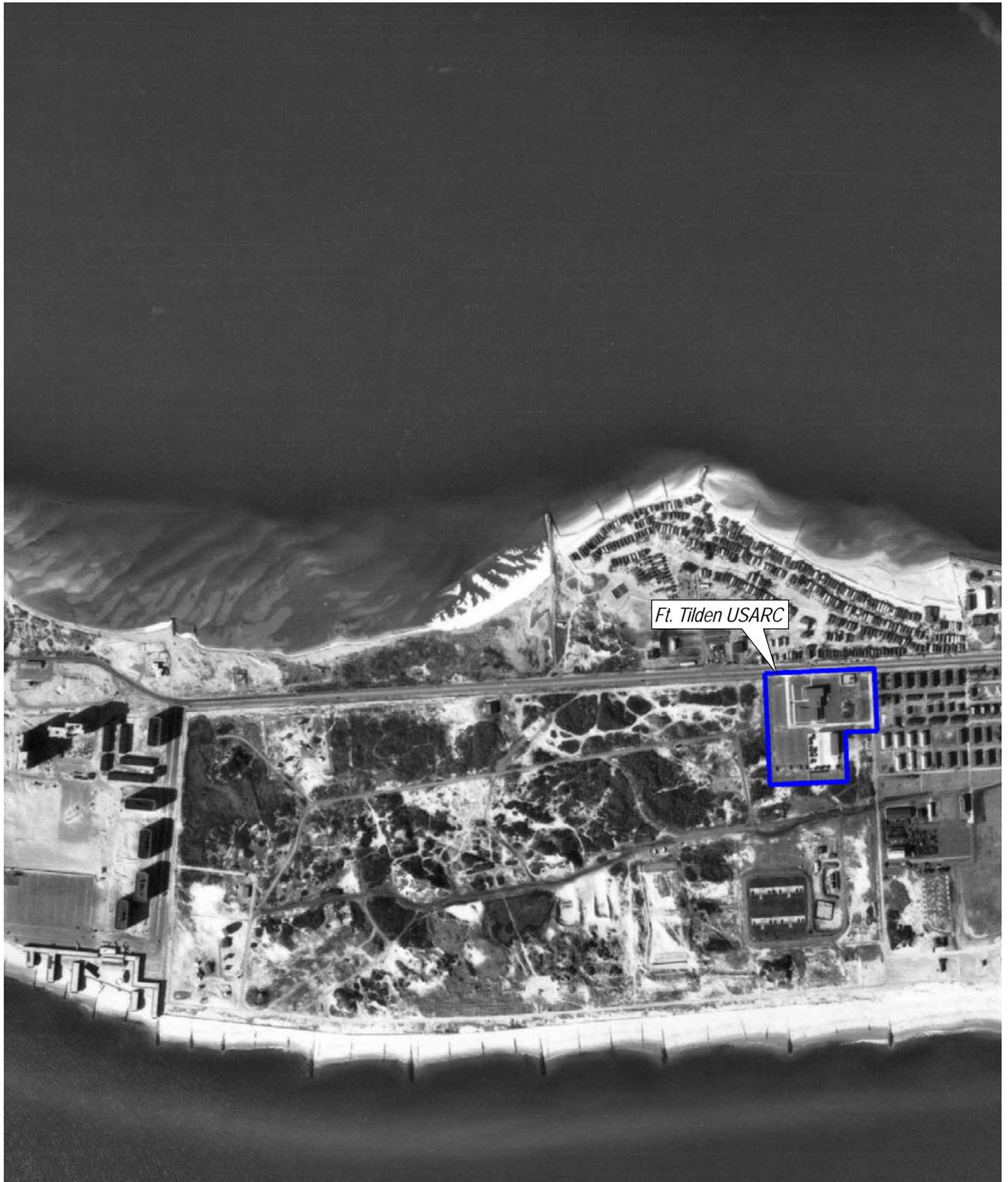
— = 750'



APPROXIMATE
LOCATION
FORT TILDEN
USAR CENTER



FIGURE 4
1954 Aerial Photo
Fort Tilden U.S. Army Reserve Center (NY022)
Phase I ECP Report



INQUIRY #: 1725083.35

YEAR: 1966

— = 750'



FORT TILDEN
USAR CENTER



FIGURE 5
1966 Aerial Photo
Fort Tilden U.S. Army Reserve Center (NY022)
Phase I ECP Report



INQUIRY #: 1725083.35
YEAR: 1975
| = 750'



FORT TILDEN
USAR CENTER



FIGURE 6
1975 Aerial Photo
Fort Tilden U.S. Army Reserve Center (NY022)
Phase I ECP Report



INQUIRY #: 1725083.35
 YEAR: 1984
 | = 750'



FORT TILDEN
 USAR CENTER

FIGURE 7
 1984 Aerial Photo
 Fort Tilden U.S. Army Reserve Center (NY022)
 Phase I ECP Report





INQUIRY #: 1725083.35

YEAR: 1994

— = 833'



FORT TILDEN
USAR CENTER

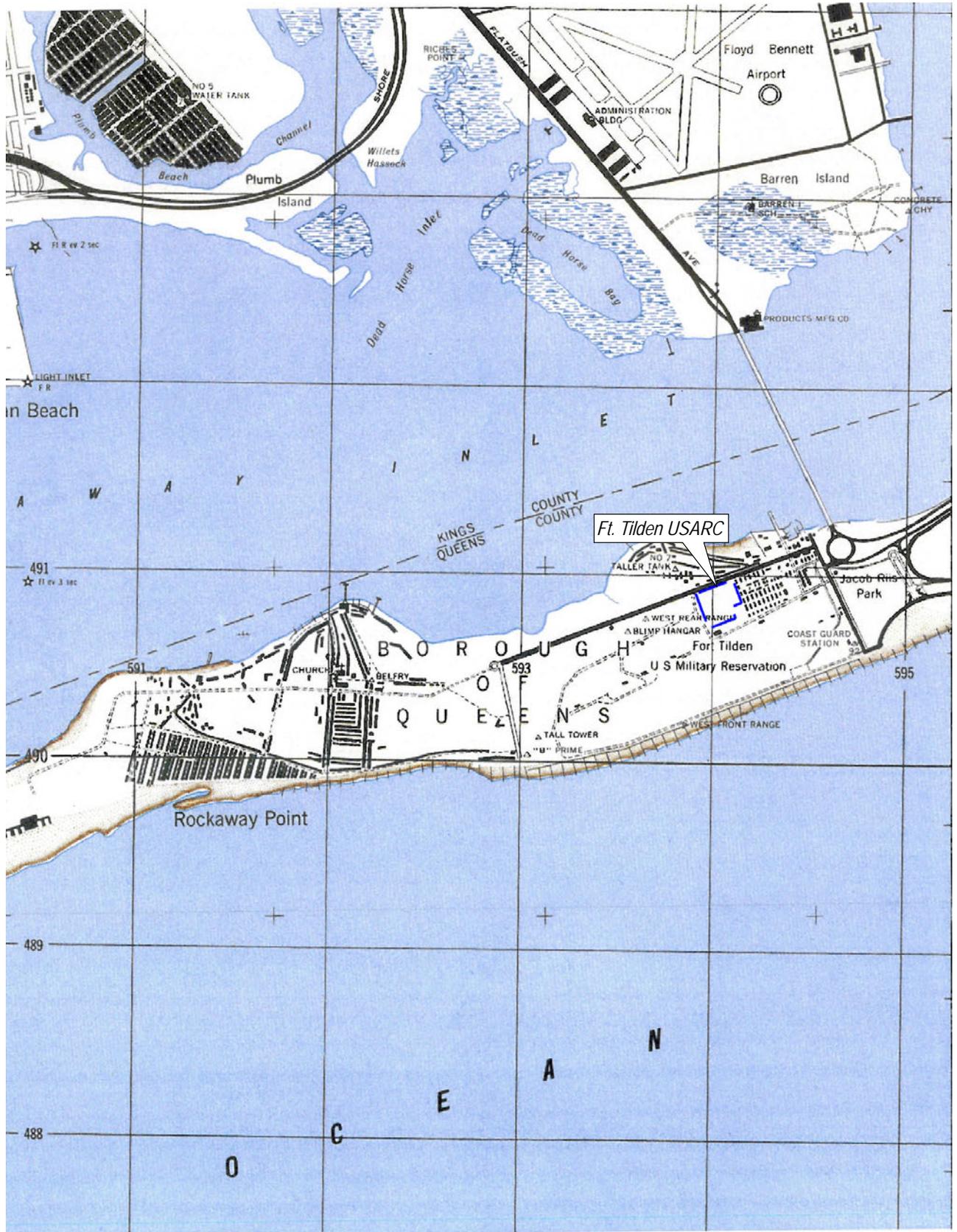


FIGURE 8
1994 Aerial Photo
Fort Tilden U.S. Army Reserve Center (NY022)
Phase I ECP Report



FIGURE 9
Google Earth Image
Fort Tilden U.S. Army Reserve Center (NY022)
Phase I ECP Report

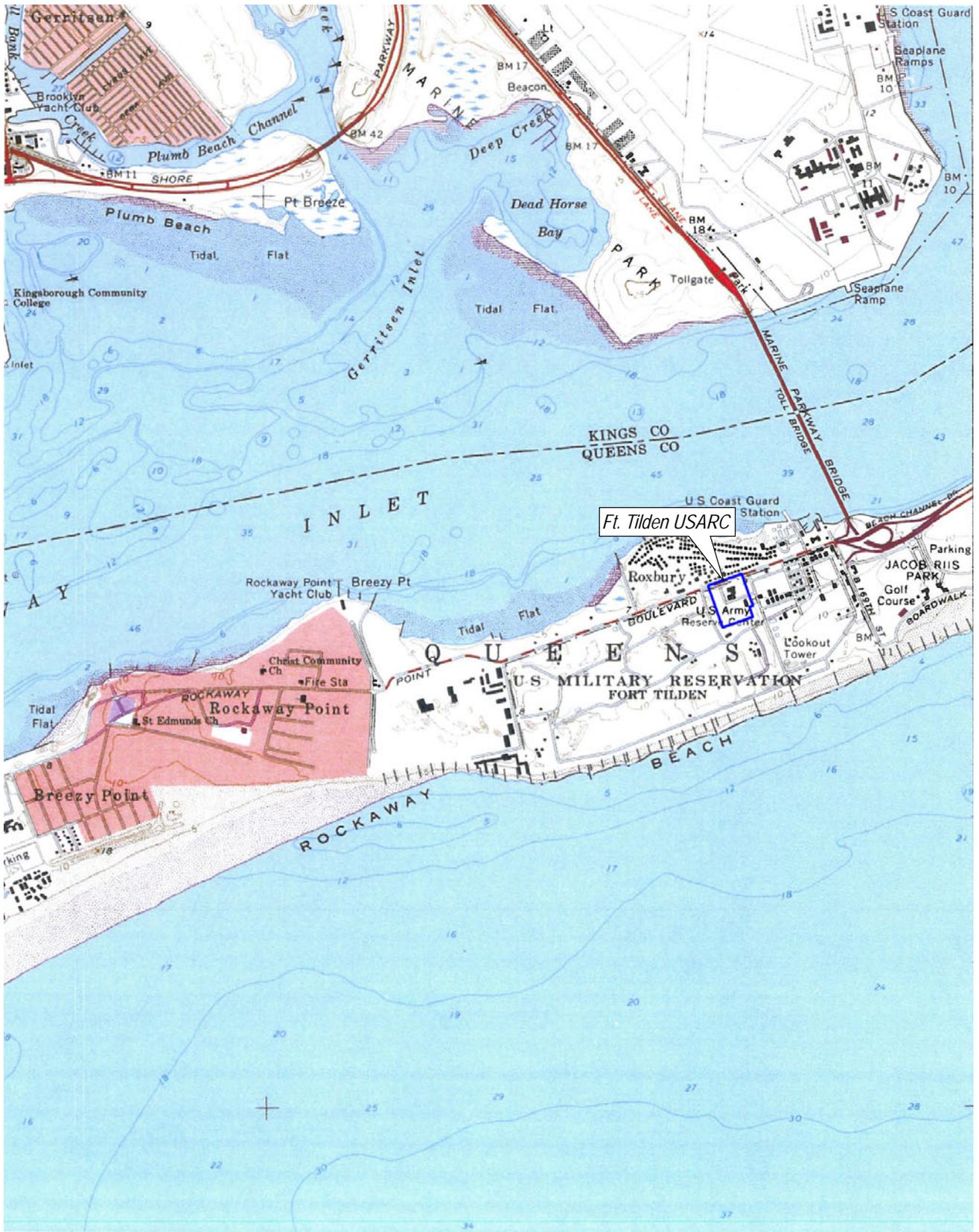




N ^ EDR INQUIRY# 1725083.34 TARGET QUAD: CONEYISLAND YEAR: 1947 Series: 7.5' Scale: 1:25,000



FIGURE 10
 1947 USGS 15 Minute Topographic Map, Coney Island
 Fort Tilden U.S. Army Reserve Center (NY022)
 Phase I ECP Report



N ^ EDR INQUIRY# 1725083.34 TARGET QUAD: CONEYISLAND PhotoRevised: 1966-1979 Series: 7.5' Scale: 1:24,000



FIGURE 11
 1979 USGS 7.5 Minute Topographic Map, Coney Island
 Fort Tilden U.S. Army Reserve Center (NY022)
 Phase I ECP Report

Appendix B
Site Reconnaissance
Photographs

APPENDIX B

Site Reconnaissance Photographs



1. Parts cleaners, OMS Building



2. Flammable Storage Cabinets, OMS Building



3. Concrete Patch South of OMS Building



4. Active Wash Rack, South of OMS Building



5. 396-Gallon Waste POL AST, MEP Area



6. Abandoned Maintenance Pit, OMS Building



7. Abandoned Wash Rack, South of OMS Building



8. Battery Storage, OMS Building



9. Sump, Boiler Room Main Building



10. Floor Drain, Boiler Room Main Building



11. Floor Drain, Boiler Room Main Building

Appendix C
**Property Acquisition Documents
and Chain of Title Report**

DESCRIPTION OF REAL PROPERTY
KNOWN AS

PART OF LOT 60, BLOCK 16330
OF THE QUEENS COUNTY TAX MAP

FORT TILDEN USARC

All that certain plot, piece or parcel of land, situate, lying and being in the Borough of Queens, County of Queens, City and State of New York, said parcel being more particularly described as follows:

BEGINNING at a monument on the southerly line of Rockaway Point Boulevard (Fort Tilden Avenue), said point located at the coordinates North 145,297.12 East 1,014,824.19 of the New York State Plane Coordinate System, Long Island Lambert Conformal Projection Zone - NAD 1983 and distant 3588.8 feet easterly as measured along the southerly line of Rockaway Point Boulevard from a monument at the intersection of said southerly line with the easterly line of Beach 193rd Street;

RUNNING THENCE along the southerly line of Rockaway Point Boulevard (Fort Tilden Avenue) North 69°-48'-50" East, 670.00 feet to a monument;

RUNNING THENCE the following five (5) courses;

1. South 20°-11'-10" East, 380.00 feet to a monument;
2. South 69°-48'-50" West, 220.00 feet to a monument;
3. South 20°-11'-10" East, 320.00 feet to a monument;
4. South 69°-48'-50" West, 450.00 feet to a monument;
5. North 20°-11'-10" West, 700.00 feet to a monument on the southerly line of Rockaway Point Boulevard (Fort Tilden Avenue) and the point or place of BEGINNING.

Containing within said bounds 398,600 square feet or 9.15 acres more or less.

Appendix D
**Previous Environmental
Site Assessment Reports**

Appendix D redacted.

Appendix E
**Regulatory Database
Search Reports**



EDR® Environmental
Data Resources Inc

The EDR Aerial Photo Decade Package

**Ft. Tilden USARC, NY
415 STATE ROAD
FORT TILDEN, NY 11695**

Inquiry Number: 1725083.35

July 28, 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

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography July 28, 2006

Target Property:

415 STATE ROAD

FORT TILDEN, NY 11695

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1954	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-E8/Flight Date: February 18, 1954	EDR
1966	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-E8/Flight Date: February 22, 1966	EDR
1975	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-E8/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-E8/Flight Date: March 27, 1984	EDR
1994	Aerial Photograph. Scale: 1"=833'	Panel #: 2440073-E8/Flight Date: April 04, 1994	EDR



INQUIRY #: 1725083.35

YEAR: 1954

| = 750'





INQUIRY #: 1725083.35

YEAR: 1966

| = 750'





INQUIRY #: 1725083.35

YEAR: 1975

| = 750'





INQUIRY #: 1725083.35

YEAR: 1984

| = 750'





INQUIRY #: 1725083.35

YEAR: 1994

| = 833'





"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Mary Beth Jacques
CH2M Hill
1569 Stampmill Way
Lawrenceville, GA 30043

Order Date: 7/28/2006 **Completion Date:** 7/28/2006
Inquiry #: 1725083.33s
P.O. #: NA
Site Name: Ft. Tilden USARC NY

Customer Project: NA
1592163BAS 770-338-1589

Address: 415 STATE ROAD
City/State: FORT TILDEN, NY 11695
Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Ft. Tilden USARC, NY
415 STATE ROAD
FORT TILDEN, NY 11697**

Inquiry Number: 01725083.32r

July 28, 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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

415 STATE ROAD
FORT TILDEN, NY 11697

COORDINATES

Latitude (North): 40.563700 - 40° 33' 49.3"
Longitude (West): 73.896400 - 73° 53' 47.0"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 593427.2
UTM Y (Meters): 4490699.5
Elevation: 5 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40073-E8 CONEY ISLAND, NY
Most Recent Revision: 1995

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>
FT. TILDEN USARC 415 STATE ROAD / FORT TILDEN, NY 11695	HIST AST	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

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
RCRA-SQG	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
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
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSWDS	Hazardous Substance Waste Disposal Site Inventory
SHWS	Inactive Hazardous Waste Disposal Sites in New York State
DEL SHWS	Delisted Registry Sites
SWF/LF	Facility Register
SWRCY	Registered Recycling Facility List
SWTIRE	Registered Waste Tire Storage & Facility List
UST	Petroleum Bulk Storage (PBS) Database
CBS UST	Chemical Bulk Storage Database
MOSF UST	Major Oil Storage Facilities Database
HIST UST	Historical Petroleum Bulk Storage Database
AST	Petroleum Bulk Storage
CBS AST	Chemical Bulk Storage Database
MOSF AST	Major Oil Storage Facilities Database
NY MANIFEST	Facility and Manifest Data
NY Spills	Spills Information Database
NY Hist Spills	SPILLS Database
ENG CONTROLS	Registry of Engineering Controls
INST CONTROL	Registry of Institutional Controls
VCP	Voluntary Cleanup Agreements
DRYCLEANERS	Registered Drycleaners
BROWNFIELDS	Brownfields Site List
SPDES	State Pollutant Discharge Elimination System
AIRS	Air Emissions Data

EXECUTIVE SUMMARY

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

EDR Historical Auto StationsEDR Proprietary Historic Gas Stations

EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 12/05/2005 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FT TILDEN		1/4 - 1/2ESE	2	7

STATE AND LOCAL RECORDS

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 06/06/2006 has revealed that there is 1 LTANKS site 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>34 STATE RD./BREEZY PT./S</i> Date Closed: 08/13/97	<i>34 STATE RD.</i>	<i>1/4 - 1/2ENE</i>	<i>3</i>	<i>8</i>

EXECUTIVE SUMMARY

HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 HIST LTANKS site 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>
34 STATE RD./BREEZY PT./S	34 STATE RD.	1/4 - 1/2 ENE	3	8

EXECUTIVE SUMMARY

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

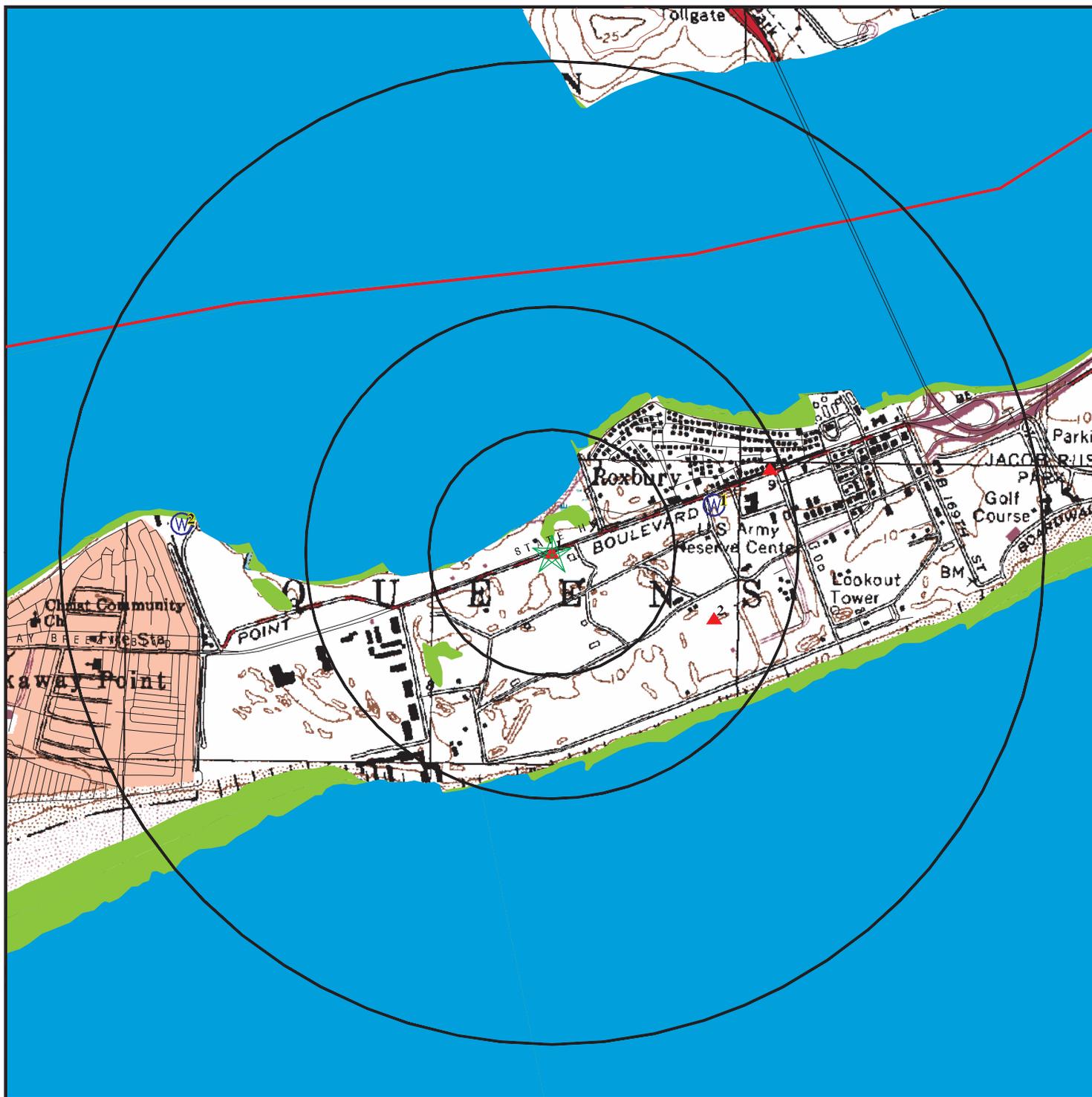
Site Name

LOVOI SUPER SERVICE
FORT TILDEN SVCE STA
STATE ROAD - ROCKAWAY INL
BREEZY POINT SURF CLUB
LOVOI SUPER STATION

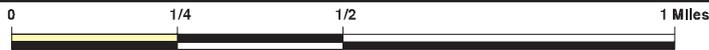
Database(s)

AST
FINDS
NY Spills, NY Hist Spills
CBS AST
HIST UST

OVERVIEW MAP - 01725083.32r



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



- ▣ Indian Reservations BIA
- ▣ County Boundary
- ▣ Oil & Gas pipelines
- ▣ National Wetland Inventory
- ▣ State Wetlands

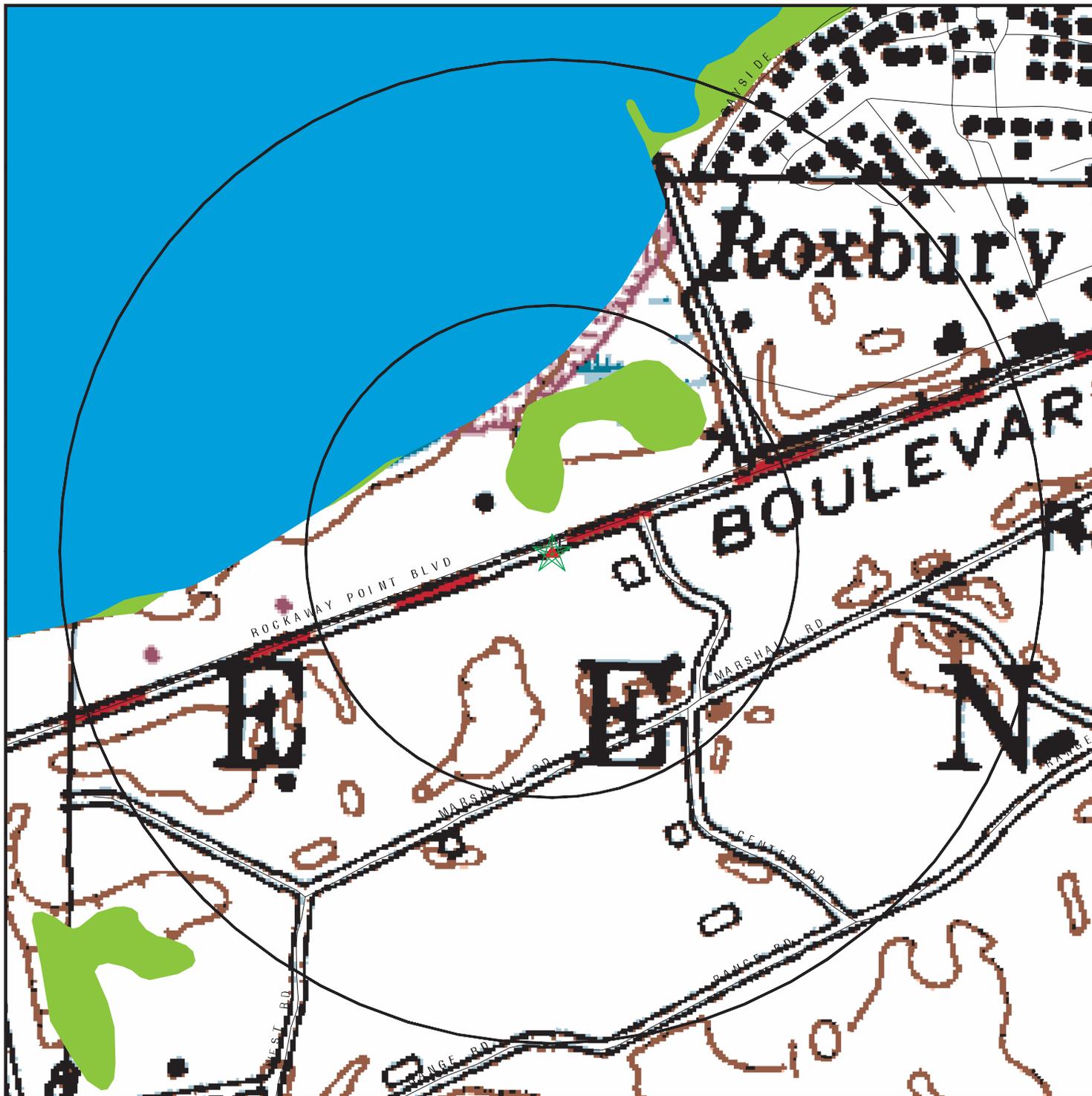


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Ft. Tilden USARC, NY
 ADDRESS: 415 STATE ROAD
 FORT TILDEN NY 11697
 LAT/LONG: 40.5637 / 73.8964

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01725083.32r
 DATE: July 28, 2006

DETAIL MAP - 01725083.32r



- ★ 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
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Ft. Tilden USARC, NY
 ADDRESS: 415 STATE ROAD
 FORT TILDEN NY 11697
 LAT/LONG: 40.5637 / 73.8964

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01725083.32r
 DATE: July 28, 2006

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.		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	1	0	NR	1
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	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
HSWDS		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LTANKS		0.500	0	0	1	NR	NR	1
HIST LTANKS		0.500	0	0	1	NR	NR	1
UST		0.250	0	0	NR	NR	NR	0
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
CBS AST		0.250	0	0	NR	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
HIST AST	X	TP	NR	NR	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
MANIFEST		0.250	0	0	NR	NR	NR	0
NY Spills		0.125	0	NR	NR	NR	NR	0
NY Hist Spills		0.125	0	NR	NR	NR	NR	0
ENG CONTROLS		0.500	0	0	0	NR	NR	0
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
SPDES		TP	NR	NR	NR	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
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

1 **FT. TILDEN USARC**
Target **415 STATE ROAD /**
Property **FORT TILDEN, NY 11695**

HIST AST **S107783926**
N/A

Actual:
5 ft.

HIST AST PBS:
 PBS Number: 2-605046
 Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
 Tank ID: W06
 Tank Status: 1
 Install Date: Not reported
 Capacity (Gal): 396
 Product Stored: C
 Tank Type: Steel/carbon steel
 Tank Internal: 0
 Tank External: 0
 Pipe Location: None
 Pipe Type: NONE
 Pipe Internal: None
 Pipe External: 0
 Tank Containment: Vault (w/access)
 Leak Detection: 9
 Overfill Protection: 4
 Dispenser Method: Suction
 Date Tested: Not reported
 Next Test Date: Not reported
 Missing Data for Tank: No Missing Data
 Date Closed: Not reported
 Test Method: Not reported
 Deleted: False
 Updated: True
 SPDES Number: Not reported
 Latitude: Not reported
 Longitude: Not reported
 SWIS Code: 6301
 Operator: MR. RUBIN VEGA
 Facility Phone: (718) 945-5551
 Facility Addr2: BREEZY POINT BLVD.
 Facility Type: OTHER
 Emergency: PAUL BERTRAND
 Emergency Tel: (718) 352-2092
 Old PBSNO: Not reported
 Date Inspected: Not reported
 Inspector: Not reported
 Result of Inspection: Not reported
 Owner Name: 77TH REGIONAL SUPPORT COMMAND
 Owner Address: AFRC-CNY-EN, BLDG 200
 Owner City,St,Zip: FORT TOTTEN, NY 11359-1016
 Federal ID: Not reported
 Owner Tel: (718) 352-5624
 Owner Type: Federal Government
 Owner Subtype: Not reported
 Mailing Contact: ENVIRONMENTAL DIVISION
 Mailing Name: 77TH REGIONAL SUPPORT COMMAND
 Mailing Address: AFRC-CNY-EN
 Mailing Address 2: BUILDING 200
 Mailing City,St,Zip: FORT TOTTEN, NY 11359-1016
 Mailing Telephone: (718) 352-2092
 Owner Mark: First Owner
 Facility Status: 4 - Subpart 360-14 only (active)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FT. TILDEN USARC (Continued)

S107783926

Certification Flag: False
 Certification Date: 01/26/2001
 Expiration: 01/19/2006
 Renew Flag: False
 Renew Date: Not reported
 Total Capacity: 396
 FAMT: True
 Facility Screen: No Missing Data
 Owner Screen: Minor Data Missing
 Tank Screen: No Missing Data
 Dead Letter: False
 CBS Number: Not reported
 Town or City: NEW YORK CITY
 County Code: 63
 Town or City Code: 01
 Region: 2

2
ESE
1/4-1/2
1877 ft.

FT TILDEN
NEW YORK, NY

FUDS 1007211629
N/A

Relative:
Higher

FUDS:

Federal Facility ID: NY9799F6922
 Facility Name: FT TILDEN
 City: NEW YORK
 State: NY
 EPA Region: 2
 County: QUEENS
 Congressional District: 09
 US Army District: New York District (NAN)
 Fiscal Year: 2004
 Phone: 212-264-9113
 Inst ID: Not reported
 CTC: Not reported
 RAB: Not reported

Actual:
9 ft.

FUDS History : This property is known or suspected to contain military munitions and explosives of concern (e.g., unexploded ordnance) and therefore may contain an explosive hazard. Fort Tilden is in Rockaway Peninsula. It consists of 311 acres. Between 1917 and 1967, the site was occupied by the Army. In 1976, 302 acres were transferred to the Department of the Interior for the Gateway National Recreation Area. The site is currently part of the GNRA; most of it is owned by the National Park Service. The remaining 9 acres were assigned to the Army Reserve Center, currently a DoD site.

FUDS Description : The former Fort Tilden occupied 311 acres on the Rockaway Peninsula near the Marine Parkway Bridge in Queens, New York. The fort had a variety of weapons installations to defend New York Harbor. About 302 acres are currently part of the Gateway National Recreational Area. The remaining 9 acres are used by the U.S. Army Reserve. Abandoned tanks and hazardous buildings are present at the site. In addition, hazardous and toxic wastes could be present. This property is known or suspected to contain military munitions and explosives of concern (e.g., unexploded ordnance) and therefore may contain an explosive hazard.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

3
ENE
1/4-1/2
2508 ft.

34 STATE RD./BREEZY PT./S
34 STATE RD.
NEW YORK CITY, NY

LTANKS
HIST LTANKS

S106703156
N/A

Relative:
Higher

Actual:
6 ft.

LTANKS:

Spill Number:	8706576	Region of Spill:	2
Facility ID:	8706576	DER Facility ID:	172905
Site ID:	208387	CID:	09
Spill Date:	11/03/87	Reported to Dept:	11/03/87
Referred To:	Not reported	DEC Region:	2
Water Affected:	Not reported	Spill Source:	GASOLINE STATION
Spill Cause:	TANK TEST FAILURE		
Facility Address 2:	Not reported	Facility Tele:	Not reported
Investigator:	TOMASELLO	SWIS:	4101
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Company:	BREEZY POINT CORPERATION		
Spiller Address:	ZZ		
Spiller County:	001		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Spill Closed Dt: 08/13/97

Spill Notifier: TANK TESTER
 Cleanup Ceased: / /
 Last Inspection: / /
 Cleanup Meets Standard: False
 Recommended Penalty: Penalty Not Recommended
 UST Trust: True
 Spill Record Last Update: 04/12/02
 Date Spill Entered In Computer Data File: 11/06/87
 Remediation Phase: 0
 Program Number: 8706576
Material
 Material ID : 465582
 Site ID : 208387
 Operable Unit : 01
 Operable Unit ID : 912488
 Material Code : 0009
 Material Name : Gasoline
 Case No. : Not reported
 Material FA : Petroleum
 Quantity : -1.00
 Units : L
 Recovered : 0.00
 Resource Affected - Soil : No
 Resource Affected - Air : No
 Resource Affected - Indoor Air : No
 Resource Affected - Groundwater : Yes
 Resource Affected - Surface Water : No
 Resource Affected - Drinking Wtr : No
 Resource Affected - Sewer : No
 Resource Affected - Impervious Surface : No
 Resource Affected - Subway : No
 Resource Affected - Utility : No
 Resource Affected - Impervious Surface : No
 Oxygenate : False
 Tank Test
 Spill Tank Test : 6718

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

34 STATE RD./BREEZY PT./S (Continued)

S106703156

Site ID : 208387
Tank Number : Not reported
Tank Size : 0
Test Method : 00
Leak Rate : 0.00
Gross Fail : Not reported
Modified By : Spills
Last Modified : 10/01/04
Test Method : Unknown
DEC Remarks : Start CallerRemark - 8706576 TANK FAILED WITH A LEAK RATE OF -.449 G/HR.
ACTION WAS UNDECIDED. END CallerRemark - 8706576
Remark: Not reported

HIST LTANKS:

Spill Number: 8706576 Region of Spill: 2
Spill Date: 11/03/1987 14:00 Reported to Dept: 11/03/87 15:48
Water Affected: Not reported Spill Source: Gas Station
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Facility Contact: Not reported Facility Tele: Not reported
Investigator: TOMASELLO SWIS: 61
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: BREEZY POINT CORPERATION
Spiller Address: Not reported
Spill Class: Known release that creates potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 08/13/97
Spill Notifier: Tank Tester PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 08/13/97
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/06/87
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

34 STATE RD./BREEZY PT./S (Continued)

S106703156

Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: REFER TO SPILL 87-05429 AND PIN SP97352.
Spill Cause: TANK FAILED WITH A LEAK RATE OF -.449 G/HR. ACTION WAS UNDECIDED.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BREEZY POINT	S102637736	BREEZY POINT SURF CLUB	227 STREET / ROCKAWAY POINT BLVD	11697	CBS AST
FORT TILDEN	S102147284	STATE ROAD - ROCKAWAY INL	STATE ROAD - ROCKAWAY INL		NY Spills, NY Hist Spills
NEW YORK CITY	A100166421	LOVOI SUPER SERVICE	180-04 ROCKAWAY POINT BOULEVARD	11697	AST
QUEENS	1007762441	FORT TILDEN SVCE STA	180-04 ROCKAWAY PT BLVD	11697	FINDS
ROCKAWAY POINT	U001838228	LOVOI SUPER STATION	180-04 ROCKAWAY POINT BLVD	11697	HIST UST

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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	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: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	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: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	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: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	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: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	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: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	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: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	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: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 46	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: 07/03/2006
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: 07/03/2006
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: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	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: 07/17/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	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: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	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: 07/24/2006
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: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	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: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	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: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/13/2006	Telephone: 202-564-6064
Date Made Active in Reports: 05/19/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 36	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: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	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: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	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: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	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: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	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: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	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: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	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: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	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: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	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: 07/21/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 09/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/15/2002	Telephone: 518-402-9564
Date Made Active in Reports: 10/30/2002	Last EDR Contact: 05/30/2006
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/28/2006
	Data Release Frequency: No Update Planned

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2006
Date Data Arrived at EDR: 06/15/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 06/15/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/25/2006
Date Data Arrived at EDR: 06/15/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 06/15/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/03/2006
Date Data Arrived at EDR: 05/03/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Semi-Annually

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 05/03/2006
Date Data Arrived at EDR: 05/03/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Semi-Annually

SWTIRE: Registered Waste Tire Storage & Facility List

Date of Government Version: 04/01/2004
Date Data Arrived at EDR: 05/19/2004
Date Made Active in Reports: 06/25/2004
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 05/19/2006
Next Scheduled EDR Contact: 08/14/2006
Data Release Frequency: Annually

LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 28

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 05/24/2006
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/19/2006
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/26/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/24/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: Varies

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 05/24/2006
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/19/2006
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/26/2006
Next Scheduled EDR Contact: 10/23/2006
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/02/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 07/24/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 07/25/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/24/2005
	Data Release Frequency: No Update Planned

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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/31/2006	Telephone: 518-402-8651
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 05/31/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/28/2006
	Data Release Frequency: Annually

SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 06/06/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/22/2006	Telephone: 518-402-9549
Date Made Active in Reports: 07/20/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/08/2005	Telephone: 518-402-9549
Date Made Active in Reports: 07/14/2005	Last EDR Contact: 07/07/2005
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2006
Date Data Arrived at EDR: 06/15/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 06/15/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/25/2006
Date Data Arrived at EDR: 06/15/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 06/15/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Quarterly

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/25/2006
Date Data Arrived at EDR: 06/15/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 06/15/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004
Date Data Arrived at EDR: 06/15/2004
Date Made Active in Reports: 07/29/2004
Number of Days to Update: 44

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 05/21/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/25/2006
Date Data Arrived at EDR: 06/15/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 06/15/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/11/2006
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 05/09/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 09/13/2004
Date Made Active in Reports: 10/18/2004
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 08/21/2006
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: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

Date of Government Version: 03/28/2006
Date Data Arrived at EDR: 04/03/2006
Date Made Active in Reports: 04/27/2006
Number of Days to Update: 24

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

Date of Government Version: 03/28/2006
Date Data Arrived at EDR: 04/03/2006
Date Made Active in Reports: 04/27/2006
Number of Days to Update: 24

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 05/30/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: No Update Planned

Storage Tank Database

Date of Government Version: 05/25/2004
Date Data Arrived at EDR: 06/08/2004
Date Made Active in Reports: 07/29/2004
Number of Days to Update: 51

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Varies

Storage Tank Database

Date of Government Version: 05/25/2004
Date Data Arrived at EDR: 06/08/2004
Date Made Active in Reports: 07/29/2004
Number of Days to Update: 51

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Varies

Registered Tank Database

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: No Update Planned

ROCKLAND COUNTY:

Petroleum Bulk Storage Database

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/21/2006
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 30

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database

Date of Government Version: 04/21/2006
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 28

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database

Date of Government Version: 06/21/2005
Date Data Arrived at EDR: 09/19/2005
Date Made Active in Reports: 11/03/2005
Number of Days to Update: 45

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 06/02/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

Storage Tank Database

Date of Government Version: 06/21/2005
Date Data Arrived at EDR: 09/19/2005
Date Made Active in Reports: 11/03/2005
Number of Days to Update: 45

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 06/02/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks

Listing of aboveground storage tanks in Westchester County.

Date of Government Version: 05/05/2005
Date Data Arrived at EDR: 05/31/2005
Date Made Active in Reports: 06/30/2005
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Varies

Listing of Storage Tanks

Listing of underground storage tanks in Westchester County.

Date of Government Version: 05/05/2005
Date Data Arrived at EDR: 05/31/2005
Date Made Active in Reports: 06/30/2005
Number of Days to Update: 30

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 8

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

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
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: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 61

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 05/15/2006
Next Scheduled EDR Contact: 08/14/2006
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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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

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.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FT. TILDEN USARC, NY
415 STATE ROAD
FORT TILDEN, NY 11697

TARGET PROPERTY COORDINATES

Latitude (North):	40.56370 - 40° 33' 49.3"
Longitude (West):	73.8964 - 73° 53' 47.0"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	593427.2
UTM Y (Meters):	4490699.5
Elevation:	5 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-E8 CONEY ISLAND, NY
Most Recent Revision:	1995

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).

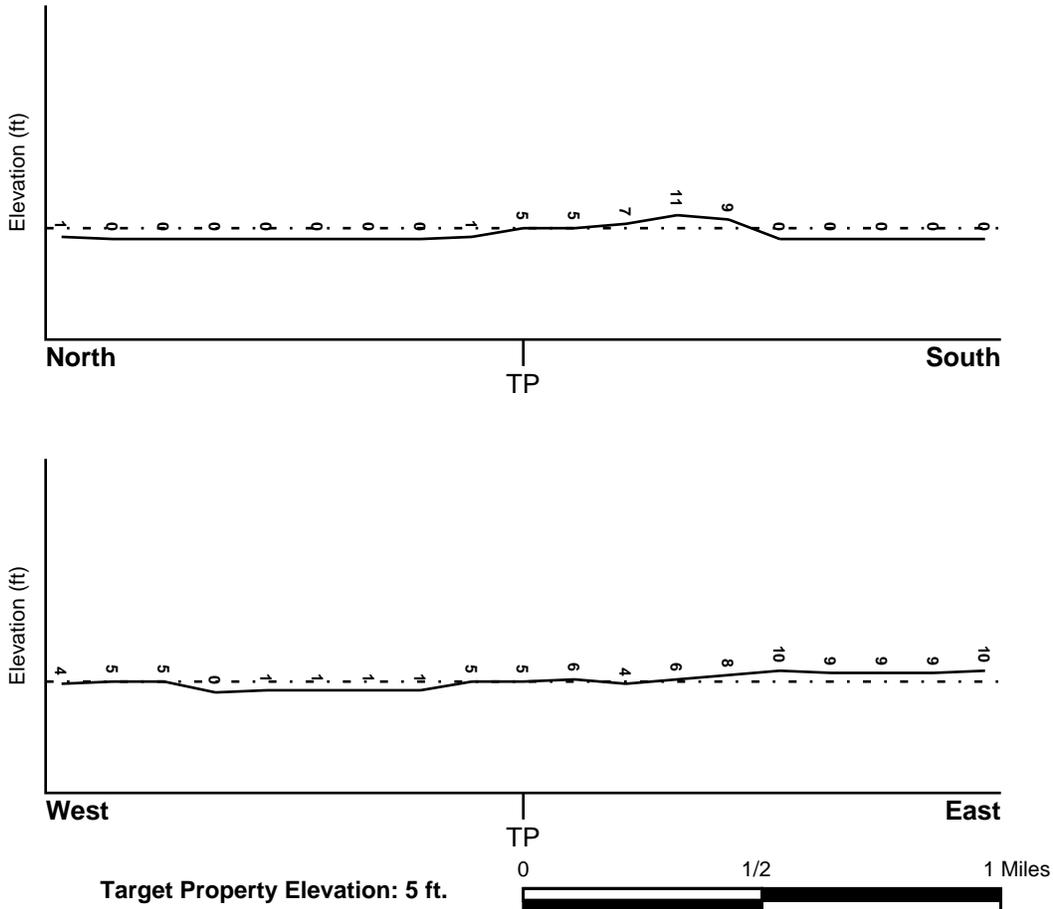
TOPOGRAPHIC INFORMATION

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 NNW

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>	<u>FEMA Flood Electronic Data</u>
QUEENS, NY	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

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		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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: Cenozoic
System: Quaternary
Series: Pleistocene
Code: Qp (*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: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

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

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 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	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

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: sand
mucky-peat

Surficial Soil Types: sand
mucky-peat

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: coarse sand
sand
loamy sand
sapric material

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2121131	1/4 - 1/2 Mile ENE
2	USGS2121130	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

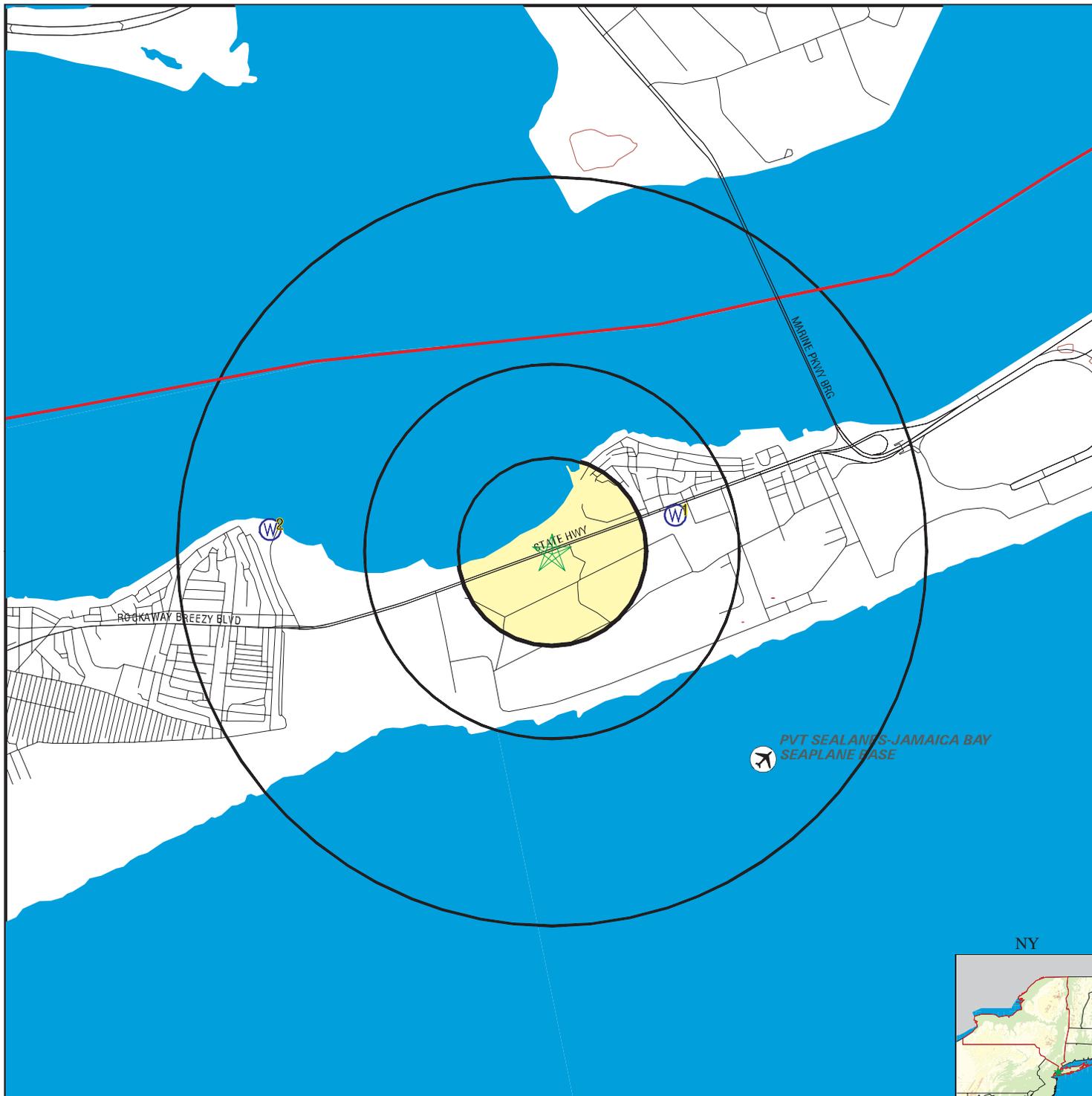
MAP ID	WELL ID	LOCATION FROM TP
<u> </u>	<u> </u>	<u> </u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u> </u>	<u> </u>	<u> </u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 01725083.32r



- 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
- Closest Hydrogeological Data



SITE NAME: Ft. Tilden USARC, NY
 ADDRESS: 415 STATE ROAD
 FORT TILDEN NY 11697
 LAT/LONG: 40.5637 / 73.8964

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01725083.32r
 DATE: July 28, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1

**ENE
 1/4 - 1/2 Mile
 Higher**

FED USGS USGS2121131

Agency cd:	USGS	Site no:	403354073532601
Site name:	Q 290. 1		
Latitude:	403354		
Longitude:	0735326	Dec lat:	40.56510542
Dec lon:	-73.89013619	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QH1904	Map scale:	Not Reported
Altitude:	5.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

2

**West
 1/2 - 1 Mile
 Higher**

FED USGS USGS2121130

Agency cd:	USGS	Site no:	403352073544001
Site name:	Q 403. 1		
Latitude:	403352		
Longitude:	0735440	Dec lat:	40.56454989
Dec lon:	-73.91069231	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	081
Country:	US	Land net:	Not Reported
Location map:	QG1915	Map scale:	Not Reported
Altitude:	5.0	Altitude method:	L
Altitude accuracy:	0.1	Altitude datum:	NGVD29
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	870.
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
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for QUEENS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for QUEENS COUNTY, NY

Number of sites tested: 81

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.620 pCi/L	97%	0%	3%
Basement	0.970 pCi/L	93%	6%	1%

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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) 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.

State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

RADON

State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

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 IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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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