

FINAL
**ENVIRONMENTAL CONDITION OF PROPERTY
REPORT**

**AMITYVILLE
U.S. ARMED FORCES RESERVE CENTER (NY002)
600 ALBANY AVENUE
NORTH AMITYVILLE, NY 11701**

Prepared For:

**U.S. Army Corps of Engineers – Louisville District
Engineering Division – Environmental Engineering Branch
600 Dr. Martin Luther King, Jr. Place
Louisville, Kentucky 40202-2232**

MAY 2007

CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This ECP Report is in general accordance with the U.S. Department of Defense (DoD) requirements for completion of an Environmental Condition of Property (ECP) Report.

JOHN WOHRLE
Acting Facility Management Officer
77th Regional Readiness Command

DATE

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP report.



LENARD GUNNELL, P.G.
Project Geologist
U.S. Army Corps of Engineers

DATE

Executive Summary

CH2M HILL, under contract to the U.S. Army Corps of Engineers (USACE), Louisville District, has prepared this Environmental Condition of Property (ECP) Report for the Amityville U.S. Armed Forces Reserve Center (AFRC) (Facility ID NY002), hereafter referred to as the "Property" or "AFRC." The Site is located at 600 Albany Avenue, North Amityville, Suffolk County, New York, 11701, and encompasses approximately 15.7 acres.

This ECP Report was conducted in conformance with the Department of Defense's Base Redevelopment and Realignment Manual, 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 U.S. Army Reserve and any prior tenant uses of the Property and the resulting environmental condition of the Property. The AFRC is on approximately 15.7 acres of land and has five permanent structures, the largest of which is a 26,964-square-foot Main Reserve Center. The site is currently occupied by three units: the U.S. Army Reserve 306th Engineers, the U.S. Navy Reserves, and the U.S. Marine Corps (USMC) Reserves. The U.S. Navy Reserves conduct office-related work and the USMC conducts activities related to communications systems.

Based on a review of aerial photographs and U.S. Geological Survey topographic maps dating back to 1903, structures first appear on the 1969 topographic map. Between 1956 and 1970, the Property, then called the Amityville Nike Missile Battery, was a Nike Missile Launch Area. Historically there were reports of as many as 14 buildings onsite, constructed between 1957 and 1959, and three missile silos.

Areas of potential environmental concern were reviewed and CH2M HILL found the following related to the USAR use of this property:

- Trichlorofluoromethane is present in groundwater, however, at concentrations that do not require remedial action.
- Xylene is present in soils at concentrations slightly above regulatory limit at a location adjacent to an underground electrical bank, however, the contamination does not pose a threat to human health or the environment.

In accordance with Department of Defense policy defining the classifications (see Sherri Goodman Memorandum dated 21 October 1996), the Property has been classified as 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. 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
AFRC	Armed Forces Reserve Center
AMSA	Area Maintenance Support Activity
AR	Army Regulation
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
bgs	below ground surface
BRAC	Base Realignment and Closure
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CFR	Code of Federal Regulations
CONEX	Container Express
CORRACTS	RCRA corrective action
CUCV	Commercial Utility Combat Vehicles
DoD	Department of Defense
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
EEG	Environmental Enterprise Group, Inc
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
HAZMAT	hazardous material
HMMWV	high mobility multi-purpose wheeled vehicle
ICRMP	Integrated Cultural Resource Management Plan
INRMP	Integrated Natural Resource Management Plan
IPMP	Integrated Pest Management Plan

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
µg	microgram
msl	means seal level
NFA	no further action
NGVD	National Geodetic Vertical Datum
NPL	National Priorities List
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory
NYSDEC	New York State Department of Environmental Conservation
NYSHPO	New York State Historic Preservation Office
OMS	Organizational Maintenance Shop
OWS	oil/water separator
PCB	polychlorinated biphenyl
pCi/L	picoCuries per liter of air
POL	petroleum, oil, and lubricant
POV	privately owned vehicle
ppb	parts per billion
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RRC	Regional Readiness Command
RSC	Regional Support Command
SCDHS	Suffolk County Department of Health Services
SCWA	Suffolk County Water Authority
SHPO	State Historic Preservation Office
TCA	trichloroethane

TPH	Total Petroleum Hydrocarbons
TSD	Treatment, storage, or disposal
UDMH	unsymmetrical dimethyl hydrazine
USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USAR	U.S. Army Reserve
USDOI	U.S. Department of Interior
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
USMC	U.S. Marine Corps
UST	underground storage tank
VOC	volatile organic compound

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 Amityville U.S. Armed Forces Reserve Center (AFRC) (NY002). The facility is located at 600 Albany Avenue, North Amityville, Suffolk County, New York, and is hereafter referred to as the "Property" or "AFRC." CH2M HILL prepared this ECP report under contract number W912QR-04-D-0020, Task Order No. 0018, with the Louisville District USACE. Figure 1 – General Site Location Map is located in Appendix A.

A visual nonintrusive reconnaissance of the Property was conducted on August 30, 2006, in support of the ECP. The purpose of the reconnaissance 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 the 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 readily available information. Pursuant to the Department of Defense's (DoD) policy, set forth in the Base Redevelopment and Realignment Manual (BRRM) (DoD 4165.66-M, March 1, 2006) Section C8.3, the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- 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) "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 or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4, or 1 kilogram of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also 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 AFRC located at 600 Albany Avenue, North Amityville, New York. All site maps, figures, and aerial photographs referenced herein are provided in Appendix A, and Appendix B contains the photographs taken during the August 30, 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, and 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 AFRC is located in Suffolk County, in the village of North Amityville, New York, at 600 Albany Avenue. The 15.7-acre parcel is situated on a main thoroughfare (Albany Avenue), and is surrounded on other property boundaries by residential development to the south and west, commercial development to the east, and a town recreation facility to the north.

2.2 Asset Information

Facility Name and Address:	Amityville U.S. Armed Forces Reserve Center 600 Albany Avenue North Amityville, New York 11701
Property Owner:	U.S. Government
Date of Ownership:	April 15, 1957
Current Occupants:	77th Regional Readiness Command (RRC) (including 306th Engineering Company); the U.S. Marine Corps, (4th Services Support Group, Company A, 6th Communications Battalion); and the U.S. Naval Reserve
Zoning:	Military, Commercial (per BRAC 05 Installation NEPA Information Needs Questionnaire)
County, State:	Suffolk, New York
U.S. Geological Survey (USGS) Quadrangle(s):	Amityville, New York
Section/Township/Range:	Section 123, Block 2, Lot 20; Section, Township, and Range per USGS quadrangle are not available.
Latitude/longitude:	40° 42' 26"N; 73° 24' 11"W
Legal Description:	The AFRC includes certain pieces or parcels of land as described in the warranty deed being District 100, Section 123, Block 2, Lot 20. A copy of the deed, which includes an accurate legal description, is provided in Appendix C.

2.3 Physical Description

The U.S. Army Reserve 306th Engineers is one of three present occupying units at the AFRC. In addition, the U.S. Navy Reserves and the U.S. Marine Corps (USMC) Reserves occupy facilities and offices on the Property. The U.S. Navy Reserves conduct office-related work and the USMC conducts activities related to communications systems.

The AFRC contains five permanent structures, two privately owned vehicle (POV) parking lots, two military equipment parking lots (MEP), and a small training site. Chain-link security fencing topped with barbed wire encloses the entire site. Figure 2, Site Layout Plan, is provided in Appendix A.; and Photographs 1 through 4 in Appendix B.

Approximately three-fourths of the Property is covered by impervious surfaces such as asphalt parking areas, driveways, concrete walkways, and buildings. The remaining land is covered with grass and with a large field of shrubs and forbs (Training Area).

During a typical week, there are as many as 100 staff on the property, and during drill weekends, as many as 300 personnel and Reservists. Historically there were reported to be as many as 14 buildings onsite, constructed between 1957 and 1959, and three missile silos.

Main Reserve Center, Administration and Training, Building 100

The Main Reserve Center (Building 100) is irregularly-shaped; the main part of the building being a two-level structure having a small basement for the boiler and heating system. Building 100 has a concrete foundation, and concrete block walls and a brick exterior. The building is approximately 26,954 square feet and was constructed in 1987. The building's interior consists of administrative office space, classrooms, a decommissioned kitchen, storage, and a former indoor firing range.

The former kitchen on the ground floor has five floor drains and two grease taps (that are serviceable inside). The second floor is above the middle main part of the building. This facility's use has not changed significantly since its construction in 1987.

A firing range was located in Building 100 (ground floor). The area of the range is currently a concrete block and caged storage rooms. There are no floor drains. The range was a manual target retrieval system, that had no sand, and had fiberboard for sound, a steel deflector system, and no floor drains. This room had an air intake louver and a roof-mounted air exhaust fan. It formerly had heaters that used propane. It was reported that lead shot was used. The range was decommissioned and clean up was conducted in 2001 (IT Corporation, 2003).

On the exterior of Building 100, there is an electrical transformer and a condenser. In addition, communications equipment is stored in four large containers outside to the left side of the rear of the building. Five portable Container Express (CONEX) metal containers (10 feet by 30 feet) are also stored empty outside Building 100.

Organizational Maintenance Shop, Building 101

The Organizational Maintenance Shop (OMS) (Building 101) is reported to have been constructed in 1980 of concrete block, having a concrete foundation, approximately 6,882 square feet in area. The roof is steel bar joist and deck ceiling.

Both the Army and Marine Reserves have OMSs in Building 101. Activities inside the OMS are limited to preventive maintenance checks, including checking vehicle fluids such as motor oil, water, and antifreeze, and light maintenance activities. Any equipment requiring heavier maintenance activities or major overhauls are sent to an Area Maintenance Support Activity (AMSA) shop located at Fort Totten. Several military vehicles were observed at the time of the Property visit.

Building 101 has four vehicle bays, five doors, and office space at the east and west ends of the building. In addition, a parts-and-tool room, bathrooms, and a battery closet (only accessible from outside) are located in the building. A mechanical room, compressor, heating system, and gas-fired hot water system are also located in the building.

Tile was noted under the carpeting in the office in the Army Reserve side of the building. There are no storm drains in the immediate area outside the shop. This building has no hydraulic lifts or pits and the trench drains are filled with concrete. There are no oil/water separators (OWSs) currently associated with this building.

Operational vehicle maintenance is conducted inside the OMS on military equipment including High-Mobility, Multi-Purpose, Wheeled Vehicles (HMMWVs), Commercial Utility Combat Vehicle (CUCVs), tractor equipment, bulldozers, 621 Bravos, trucks, and trailers. Maintenance is conducted during the week or on drill weekends. All major servicing of engines and transmissions is delegated to Fort Totten, New York.

The onsite repair of vehicles requires the use and storage of petroleum, oil, and lubricants (POL), solvents, antifreeze, aerosol paint, aerosol spray, cleaning compound, batteries, and associated waste. Several fire lockers and hazardous material (HAZMAT) storage units are used to store hazardous materials and associated generated waste. Several HAZMAT storage lockers with containment structures are located inside and outside the facility.

An indoor accumulation point and an oil filter crusher are located inside the bay areas. Several lockers are located inside, including hazardous substances described in Section 6.2. Outside, a hazardous waste storage shed has rags, spray cans, used filters, antifreeze, florescent lights, and oil cans.

The other half of Building 101 is occupied by the USMC and this area has a "Safety Clean" parts cleaner (to be replaced with a newer model) and six "Indian blue," 60-gallon containers that use a pump to dispense product. These are contained on a spill pallet. USMC also has a satellite accumulation point to collect waste fuel, antifreeze, oil, and rags.

USMC has four HAZMAT sheds that house chemicals, POLs, and waste as described in Section 6.1 and 6.2. These sheds have sprinklers and fire alarms. In addition, one aboveground storage tank (AST) containing diesel fuel is under the responsibility of USMC in this area.

There are numerous pavement patches indicating areas of excavation and replacement of utility lines including electrical, stormwater, water, and sanitary sewer lines. The majority of the excavations can be traced to historical underground storage tanks, utility lines, and replacement of lines associated with new installations.

Storage (Formerly Missile Assembly) Building 105 and Nike Missile Operations Generator Building 106

Two storage buildings (Buildings 105 and 106) are located on the Property and consist of concrete foundation and one-story concrete block wall construction. Building 105 is approximately 1,600 square feet and Building 106 is approximately 697 square feet. The construction of these buildings was completed in 1957. A used-oil, 300-gallon AST, reported to have been installed in 1998, is located on the south side of Building 105. These buildings currently store dry goods. Building 106 stores Marine Corps communications material.

Building 105 has an old boiler room having a "Corrosives" sign on the door. The old boiler room was noted to be empty and clean at the time of the site reconnaissance. No stains were noted. The building was observed to currently store tires, anchors, wires, water cans, an air compressor (empty, having no oil or gas), soil compactors, and truck parts. It had a concrete floor, no floor drains, and a bay door. No odors or stains were noted. It had peeling paint. An old chimney foundation was noted on the south side of the building.

Garvey Building

The Garvey Building is a 42-foot-by-100-foot structural steel frame (approximately 4,000 square feet) and concrete floor warehouse completed in 2000. This building and all operations are under the responsibility of the USMC Reserves and stores communication equipment (radios, antennas, and cable) sensitive to weather. The USMC built the structure and the building in a secure area accessible only by escort. No photographs were allowed inside the facility. The building has a 21-foot-by-8-inch trench drain along the north side that collects stormwater runoff from the area and diverts it to the west. Lithium batteries are located outside in a locked HAZMAT shed that appears to have containment, and a noncontained horizontal storage locker. There was no evidence of spills.

Vehicle Wash Rack and Oil/Water Separator

A new wash rack (installed in 2005) is currently in use. This system employs a recirculating water system and a power washer. The wash rack discharges to an OWS, where oil is collected and discharged to a subsurface oil collection tank (100-gallon capacity).

When the wash rack and power washer system is activated, it automatically discharges wastewater to the OWS. The valved system can be opened to the storm sewer when a valve to the OWS is closed. This allows operators to direct rain water (collected in the wash rack) to the storm sewer. This system meets New York State Department of Environmental Conservation (NYSDEC) regulations. Patches in the asphalt were noted indicating the new sanitary and storm sewer lines, and electrical and water lines associated with this system during the site reconnaissance.

Military Equipment Parking Lot

The MEP is a paved, fenced storage area for vehicles and equipment, including HMMWVs, trucks, and trailers. This area is under the responsibility of the Army 306th Engineers and is located in the former missile silo area. Stormwater flows as sheet flow across the parking area, and is directed to a number of catch basins and dry wells. Three former missile launch pads were previously located in this northwest corner of the Property. Vehicles have been stored in this parking area since the installation became a U.S. Army Reserve (USAR). The

lot is not bermed, however, drip pans are used to prevent the discharge of leaks onto the pavement.

Privately Owned Vehicle Parking

POV parking occurs in two parking areas in the front of Building 100 having access from one gate at Albany Avenue. Two other onsite gates are kept closed and locked. The entire facility is fenced with an 8-foot fence topped with barbed wire.

Training Area

The small Training Area of less than 3 acres is located at the southwest corner of the Property. This area currently comprises grasses and shrubs. It is reported that the area has been bulldozed in the past and has been used as a training area for earth-moving equipment. There were no activities at the time of the August 2006 field reconnaissance, and no activities appear to have been conducted recently, as evidenced by the vegetative overgrowth. Demolition debris was reported to be onsite in 1997 (U.S. Army Center for Health Promotion and Preventive Medicine [USACHPPM], 1997), but was not noted during the field reconnaissance in August 2006. The area has no evidence of spills and no odors were noted. A sitewide subsurface investigation was performed and concluded "No contamination that would be harmful to human health or the environment was found at the USARC -Amityville" (USACHPPM, 1997).

2.4 Site Hydrology and Geology

The AFRC is located within the broader Atlantic Coastal Lowlands Physiographic Province. The area is characterized by nearly level plain to gently rolling hills. Surface elevation ranges from 60 feet mean sea level (msl) to 20 feet msl in the North Amityville area. Both North Amityville and the AFRC are on the USGS 7.5 minute Amityville quadrangle. As shown on this map (1994), ground surface elevation at the AFRC averages 45 feet msl.

The Atlantic Coastal Plain encompasses Long Island, a small part of Staten Island, and all of southern New Jersey. The region is underlain by poorly consolidated sedimentary formations of Cretaceous, Tertiary, and Quaternary age that slope seaward. The Coastal Plain is continuous with the shallow continental shelf extending from the shoreline seaward to the break in slope along the Outer Continental Shelf. Part of the Coastal Plain is underlain by massive moraine and outwash deposits from the Pleistocene continental glaciers. The bedrock that underlies Long Island consists of crystalline igneous and metamorphic rocks including a muscovite-biotite schist, gneiss, and granite.

The following is a description of Glacial Geology within the Long Island, New York, area (taken from http://people.hofstra.edu/faculty/J_B_Bennington/research/long_island/li.html):

All of Long Island is the product of the advance and retreat of glacial ice sheets and topographic features related to the movement and melting of glacial ice can be seen in many places. The north shore of Long Island exposes glacial till and outwash, as well as glacial boulders (erratics), hills constructed from moraines and kames, depressions formed as kettles, and valleys carved by subglacial meltwater.

Long Island's glacial sediments and landscape are underlain by gently dipping coastal plain deposits of Late Cretaceous age. These deposits are typically buried and below sea level under much of the island, however, there are exposures of Cretaceous sands and clays exposed in the beach cliffs along the western north shore. Most, if not all, of these outcrops of Cretaceous sediment are out of place, having been ice-thrusted by the advance of glacial ice and incorporated into the moraine deposits along the north coast of Long Island.

2.4.1 Surface Water Characteristics

Stormwater runoff is collected in numerous catch basins located in low lying areas throughout the Property. The catch basins are either connected to dry wells or there are dry wells with an open grate cover. According to the Storm Water Pollution Prevention Plan (Browne AE&T Group, 2006), stormwater runoff is retained within site boundaries and recharged to groundwater. Some dry wells located in the western portion of the MEP are connected to small 8-inch-diameter discharge pipes. These pipes lead to an excavated basin, located south and adjacent to the Property, that encompasses 2 acres (Browne AE&T Group, 2006). The open training field on the Property contains a recharge basin where five outfalls from the Property are located.

The AFRC, 77th RRC is in the process of filing for a New York General Permit with the NYSDEC, Division of Water, Albany, New York. According to the Storm Water Pollution Prevention Plan (Browne AE&T Group, 2006), no unauthorized connections resulting in nonstormwater discharges were observed on the Property.

No surface water features are located in the immediate vicinity of the Property. Amityville Creek and Samapouge Creek are located approximately 1 mile and 3 miles to the south and east of the property, respectively. These creeks flow south into Great South Bay located approximately 3.4 miles south of the Property (USACHPPM, 1997).

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Community Panel 36103C0835G, that includes the Property is not available or printed to review. However, the EDR report does not show the Property within a 100-year or 500-year flood prone area.

2.4.2 Hydrogeological Characteristics

The soils of Suffolk County were deposited as a result of glaciation during the Wisconsin period. These materials include glacial outwash consisting of sorted sand and gravel, glacial till, and glacial lake-laid silt and clay. The soil at the site is comprised of coarse to fine sand. In addition, the Harbor Hill Terminal Moraine and the Ronkonkoma Terminal Moraine dominate the topography of Suffolk County.

The U.S. Department of Agriculture Soil Conservation Service conducts the National Cooperative Soil Survey and identifies the soil component Riverhead in the area of the Property and is characterized as sandy loam (EDR, 2006). This type of soil has moderate infiltration rates and is well drained.

Groundwater in Long Island is contained in three major aquifers: the shallow Upper Glacial aquifer, Magothy aquifer (the largest of the aquifers), and Lloyd aquifer, which lies in contact with the bedrock, is overlain by the Raritan clay, and provides minimal potable

water. Groundwater in the shallow aquifer migrates toward the south along topography and discharges to streams, or infiltrates downward into the deeper aquifers. The Upper Glacial aquifer is approximately 150 feet thick in this area and is unconfined and recharged by precipitation. Most ponds, streams, and wetlands on Long Island are a surface expression of the groundwater (J.M. Walker Associates, 2000).

The EDR overview map identifies two small wetlands (per National Wetland Inventory [NWI]) within 0.25 miles of the Property and is provided in Appendix E.

2.5 Site Utilities

Water Service—Suffolk County Water Authority (SCWA) provides potable water service to the Property. The majority of water served to SCWA customers comes from the Magothy aquifer. Most of the wells used to serve individual households tap the shallow Upper Glacial aquifer. Surface water is not used for drinking water.

Sanitary Sewer System—Suffolk County Public Works Division, Sanitation Department, 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).

Gas and Electric—Long Island Power Authority provides electrical service to the Property, and KeySpan provides natural gas service to the Property. The facility formerly was heated using Number 2 heating oil.

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 on the Property.

Seventeen well fields are within 4 miles of the AFRC. Six of the well fields are downgradient from the Property (USACHPPM, 1997).

3 Site History

3.1 History of Ownership

Land titles for the Property, which are included in the chain of title report in Appendix C, were available back to 1957. The report did not identify any leases or environmental liens against the Property.

According to historical documentation, the U.S. Government purchased the Property in April 1957 from the Nuns of the Order of St. Dominick.

According to a City Directory provided by EDR and dated July 24, 2006, the AFRC address was first listed in the research source (Cole Criss-Cross Directory) in 1966. Subsequent city directory searches in 2001 and 2006 list the USAR Property. A copy of the City Directory is included in Appendix E.

3.2 Past Uses and Operations

In 1957, the U.S. Government purchased 15.7 acres of land for construction of a Nike missile launch facility. Historical information sources indicate that the Property was formerly part of the Catholic Church. Between 1956 and 1970, the site, then called the Amityville Nike Missile Battery was a Nike Missile Launch Area. When active, the Amityville Launch Area was armed with Ajax and, later, retrofitted for firing Hercules missiles. The site has three firing magazines, which were controlled by the Battery Control Area in East Farmingdale, New York. Structures associated with the Cold War activity – such as berms, barracks, and mess hall – have been removed. The missile silos have been decommissioned, capped with concrete, and over time, stormwater has infiltrated the silos.

The Property was changed to an administrative, maintenance, and training facility, and to maintenance of military vehicles around 1980 (USACHPPM, 1997).

OMS Building 101

This building was used to perform maintenance activities on military equipment since the 1980s. Potential spills could have occurred inside and outside the building that would have included solvents, petroleum, and battery acid (USACHPPM, 1997).

Storage (Formerly Missile Assembly) Building 105

During NIKE operations, the building was used for missile assembly and testing. Solvents were used for cleaning electrical contacts and assembly points. Some hydraulic fluids were spilled during the addition of hydraulic fluids to the Nike missiles (USACHPPM, 1997). It is likely that if spills did occur, they would have occurred inside the building. There were no floor drains noted in the building during the site reconnaissance, therefore it is unlikely that fluids were discharged to the sanitary or storm sewer system.

Nike Missile Operations Generator Building 106

This building was constructed during the 1950s. The building housed an electrical generator that was likely powered by diesel fuel. Building 106 had an underground storage tank (UST) that contained diesel fuel, which was removed in 1998. Minimal contamination is expected to have occurred at this site because only small diesel fuel spills may have occurred (USACHPPM, 1997).

Nike Missile Silos

Three Nike missile silos are located at the west end of the Property. The silos were used to house Nike missiles from 1955 to about 1970. They have been sealed using rebar-enforced concrete. One air vent on the east side of the property is still open and contains approximately 10 feet of water. A MEP lot was constructed when the installation was converted to a USAR Center. Heavy military vehicles are stored here. Contamination from the silos is expected to be minimal because little work was conducted in the silos and any spills would have been pumped out to the magazine sump (location unknown) (USACHPPM, 1997). These sumps drained to either the north or south side of the silo mound. Contamination would most likely be at the outlets for the sump drains. It was noted that at some Nike sites, hydraulic fluid from the lifts was allowed to drain in the silo before they were removed. Polychlorinated biphenyls (PCBs) may have been in the hydraulic fluid (USACHPPM, 1997). Soil and groundwater samples were collected (see Section 3.5.4).

Nike Missile Fueling Station

The Nike missile fueling station was located south of Building 101. The fueling station and acid neutralization pit have been removed. According to the 77th RRC, there are no known records on the construction of the fueling station/pit. During Nike operations, missile services included fueling, defueling, and the addition and change-out of missile constituents. Contaminants of concern include liquid fuel, unsymmetrical dimethyl hydrazine (UDMH), aniline, and inhibited red fuming nitric acid (IRFNA). Excess or waste materials may have been dumped in the acid neutralization pit. Battery acid and solvents may have also been dumped in the neutralization pit. Lead contamination from battery acid was considered a concern per the USACHPPM Geohydrologic Study (USACHPPM, 1997); however, a sitewide subsurface investigation was performed, leading to the conclusion that "No contamination that would be harmful to human health or the environment was found at the USARC – Amityville" (USACHPPM, 1997).

Other Activities

Formerly, two OWSs existed on the Property; one at Building 101 and the other at Building 105.

- **Building 101:** Four floor drains, located along the north side of Building 101, carried rinse water to a 90-gallon subsurface OWS that was located 3 feet northeast of the boiler room entrance of Building 101. According to a Closure Report (U.S. Army, 77th Regional Support Command [RSC], 1998), the OWS was single-walled steel and connected by piping to the floor drains. This report stated that the OWS system was installed in the mid-1980s. The metal OWS was enclosed in a concrete vault. Ten feet of drain line connected the floor drains to the OWS. The OWS was vented through a 4-inch vent pipe.

In 1998, the OWS was removed together with all residual oil. Nonhazardous waste disposal manifests documented its proper removal and disposal. The concrete vault was inspected by Suffolk County Department of Health Services (SCDHS) and was filled with sand in place because it had no signs of leakage, holes, pitting, or cracks. The piping from the floor was filled with concrete and closed in place. Information was not found as to where the water from the OWS discharged to. Based on record search, it was further determined that no storage tanks are associated with this OWS.

- **Building 105:** A 55-gallon OWS was connected to a wash rack and 1,000-gallon UST at Building 105. According to the Closure Report (U.S. Army, 77th Regional Support Command, 1998), the OWS was installed in the mid-to-late-1950s. The OWS was determined to be out of service in the late 1980s after the wash rack was closed to vehicle washing. The OWS was located approximately 3 feet south of the boiler room entrance of Building 105. The OWS was constructed of reinforced concrete and 10 feet of drain line connecting the OWS to the concrete UST. Information was not available regarding the discharge of the effluent from the OWS during its operation. Approximately 30 feet of piping connected the drain of the wash rack to the OWS. No vent pipe was associated with this system. Residual oil was removed, the OWS excavated, and sampling conducted (which had zero parts per millions [ppm] organic vapor levels). Soil was backfilled in the excavation area and sand and gravel were used as top fill. Piping was cleaned and capped with concrete at both ends and closed in place. No documentation was found as to approval by SCDHS or NYSDEC. However, a sitewide subsurface investigation was performed, leading to the conclusion that “No contamination that would be harmful to human health or the environment was found at the USARC – Amityville” (USACHPPM, 1997).

Wash Rack

A 10-foot-by-17-foot-by-6-inch wash rack was connected to the OWS at Building 105, located approximately 10 feet from the southwest corner of the building. According to the Closure Report (U.S. Army, 77th Regional Support Command, 1998), the wash rack was installed in the mid-to-late 1950s. The wash rack was closed in the late 1980s. In 1998, the wash rack was excavated and the soil was sampled for volatile organic compounds (VOCs). Concentrations were below regulatory limits. Residual waste oil and sludge were removed from the drain and moved offsite, as documented by a nonhazardous waste disposal manifest. The excavation was filled with soil and capped with gravel and sand. The pipe connecting the drain was cleaned and capped with concrete at both ends and closed in place.

Historical Topographic Maps and Aerial Photographs

Historical aerial photographs and topographic maps are the main source of information on the past use and operations at the Property. Figures 3–12 in Appendix A provide USGS topographic maps and surrounding areas in 1903, 1947, 1954, 1969 (photo revised 1979), and 1994; and aerial views of the Property are provided in Appendix A for select years 1957 to 1994.

Historical Topographic Maps

The 1903 USGS topographic map (Figure 3, Appendix A) does not depict any structures.

The 1947 USGS topographic map (Figure 4, Appendix A) indicates that the Property is unimproved, having open space and no structures. The St. Dominick's Church spire is depicted on the map south of the Property.

The 1954 USGS topographic map (Figure 5, Appendix A) shows the property is still undeveloped. Our Lady of Consolation Church is depicted south of the Property (where St. Dominick's Church spire was on the previous map). The area north of the Property is now developed with residential structures. Queen of the Rosary Academy is located to the southeast. To the east of the Property, the land is vacant, and further east is Zahn's Airport.

The Photo Revised 1969-1979 USGS topographic map (Figure 6, Appendix A) shows the property and the two structures, a driveway partially into the property, and the remaining parts unimproved. Four new structures are depicted across Albany Avenue and New Highway to the east of the Property.

The 1994 topographic map (Figure 7, Appendix A) shows the Property having no structures.

Historical Aerial Photographs

The 1957 aerial photograph (Figure 8, Appendix A) shows the Property and the current property boundaries delineated and several structures on the Property. Single-family residences are visible north and west of the site. Church structures are noted to the south.

The 1966 aerial photograph (Figure 9, Appendix A) shows the property developed and numerous structures clearly delineated, however, they do not appear to be the existing structures owing to the layout of the buildings. The missile silo area and berm wall appear to be developed in the photograph.

The 1976 aerial photograph (Figure 10, Appendix A) is similar to what appears in the 1966 aerial photograph. The photograph shows that the adjacent property to the north of the site has been developed.

The 1980 aerial photograph (Figure 11, Appendix A) shows the aboveground part of the missile silo structures to be excavated, based on the white soil appearance in the photograph. The airport runways and structures to the east also appear to have been excavated.

The 1994 aerial photograph (Figure 12, Appendix A) shows the existing structures (Building 100, 101, 105, and 106). Military vehicles are now parked where the missile silos were located.

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 Army Reserve personnel. Chemicals formerly used and stored at the Property were associated with vehicle and facility

maintenance activities and janitorial services. Janitorial chemicals and building maintenance related products were stored in designated storage areas within the janitorial closets located in each building.

Vehicle maintenance products and small amounts of POL products were also stored within designated areas within the OMS. Other potentially hazardous materials and POL products would have been stored in the outdoor hazardous material storage sheds located at the OMS and the Garvey Building.

Historically, Nike missile launch facility activities involved the use of several hazardous substances including, but not limited to, solvents (including tetrachloroethylene, trichloroethylene, 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. IRFNA, an oxidizer, was used as a missile fuel/starter and sulfuric acid was used in lead-acid batteries. UDMH was used as a starter, with ethylene oxide, and a propellant mixture (M3). The explosive harness assembly (M45) contained five pentaerythrite tetranitrate 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).

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 USAR personnel. According to 77th RRC personnel, hazardous and nonhazardous waste manifests are located at the RRC Headquarters at Ft. Totten. Although there are numerous record gaps regarding units such as dry wells, a sitewide subsurface investigation was performed targeting known areas of potential concern. This study led to the conclusion that “No contamination that would be harmful to human health or the environment was found at the USARC – Amityville” (USACHPPM, 1997). The USACHPPM Study involved environmental sampling consisting of 18 groundwater samples and 21 soil samples (for physical analysis only) taken from Geoprobe® boreholes. The uppermost aquifer was sampled to determine whether any contamination had reached the aquifer (because the water table is shallow and the soil is highly permeable). Downgradient and background wells were also constructed and sampled. Wells were placed downgradient of former UST and AST locations, the OMS Building 101, the Storage Building 105, the Nike Missile Silos, the Nike Missile Fueling Station, the Wash Rack, the MEPs, the Training Area, and the Nike Missile Operations Generator Building 106. Results were:

- VOCs: Two VOCs (chloroform and trichlorofluoromethane) were detected in two groundwater samples. Chloroform could be a laboratory contaminant. Trichlorofluoromethane was identified at a low concentration in a well sample at the southwest corner of the property. This compound is associated with refrigeration or air-conditioning and could have been spilled in the training area. The USACHPPM Study concluded that the low concentration of this contaminant and the limited extent of the contamination do not pose a threat to human health or the environment.

- Dissolved metals: No metals were detected in concentrations above the National Primary Drinking Water Standards.
- Total petroleum hydrocarbons (TPH): TPHs were detected at low concentrations in water from five wells. Two wells were background wells. New York did not have action levels for TPHs in 1997. The report stated that other State levels are typically set at 50 to 100 milligrams per liter. All detections on the property were less than 1 milligram per liter.

No stained soil or stressed vegetation was observed during the August 2006 site reconnaissance. The MEP area and POV parking area showed signs of normal petroleum staining. No noxious or foul odors were noted during the site reconnaissance.

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, the following ASTs and USTs were previously located at this facility.

3.4.1 Closure Reports

The 77th RSC Environmental Division managed the oversight of the closure of three USTs, three ASTs, two OWSs, one wash rack, and four floor drains at the AFRC, which was conducted by three contractors in 1998. The Closure Report is dated December 18, 1998, and closures were conducted between October 19 and 28, 1998. The NYSDEC petroleum bulk storage tank registration number is 1-1128AMIT96F289 and the SCDHS registration number is 01-1128. The subsurface investigation was completed in accordance with relevant regulations and guidance. No visible or olfactory signs of soil staining were observed, field sampling of excavated soil and excavation bottoms and sidewalls using a HNu meter indicated volatile organic vapors between 0 to 2 ppm. Groundwater was not observed. Confirmatory soil samples were collected and tested. Based on field observations and postexcavation analytical soil sample results, no further investigative or remedial actions were recommended and the 77th RSC Environmental Division recommended the NYSDEC and SCDHS approve No Further Action (NFA) and closure for the project. The following tanks were included in this report:

- UST at Building 106 containing diesel (8,000 gallons, single-walled steel) was located at the Property and removed in 1998. This tank stored diesel fuel for decommissioned generators previously located at Building 106. Elevated sample results were determined to likely be from the petroleum-based asphalt tar that had leached from the tank surface over the past 5 decades. Based on soil sample analytical results, field observations, and use of the Property, it was determined that no environmental threat to groundwater or human health was found (77th Regional Readiness Command, 1998).
- UST at Building 101 containing waste oil (550 gallons, single-walled fiberglass) was located at the Property and removed in 1998 (77th Regional Readiness Command, 1998). This UST collected waste oil for the floor drain and OWS system at Building 101. It was installed in the mid-1980s. Piping associated with the OWS to the UST was also capped. Based on soil sample analytical results, field observations, and use of the property, it

was determined that no environmental threat to groundwater or human health was found (77th Regional Readiness Command, 1998).

- UST at Building 105 containing waste oil (1,000 gallons, concrete) was located at the Property and removed in 1998 (77th Regional Readiness Command, 1998). According to the Closure Report, the UST was installed in the mid-to late 1950s. This tank was associated with the wash rack and OWS system at Building 105. Based on soil sample analytical results, field observations, and use of the property, it was determined that no environmental threat to groundwater or human health was found (77th Regional Readiness Command, 1998).
- Two ASTs at Building 105 contained Number 2 heating oil (275 gallons each, single-walled steel) and were associated with the boiler in Building 105. These tanks and associated piping were removed in 1998. According to the Closure Report (1998), these tanks were installed in the mid-to-late 1950s and taken out of service in the mid-1980s when Building 105 was closed as a shop. All piping was above grade and the tanks were on elevated supports.
- AST at Building 106 contained Number 2 heating oil (250 gallons, single-walled steel) and was associated with the boiler in Building 106. This tank and associated piping were removed in 1998. The AST was taken out of service in the mid-1970s. All piping was above grade and the tank was on elevated supports inside the building.

3.4.2 Other Closure Reports:

A Closure Report for Building 101 was completed by D&K Construction Co., Inc., Springfield, New Jersey, in 1997. It detailed the closure of the following tanks:

- UST at Building 101 containing gasoline (1,000 gallons, Tank Number 415A) was located at this building and was removed and replaced in July 1997. The tank was located under asphalt pavement and tank and piping were found intact. No soil contamination was noted and there was no indication of any leakage (D&K Construction, 1997). No groundwater was encountered and all confirmatory sampling found results below regulatory limits. No further reports were identified that demonstrate submittal to NYSDEC.
- UST at Building 101 containing diesel (1,000 gallons, Tank Number 415A) was located at this building and was removed and replaced in 1997. The tank was located under asphalt pavement and tank and piping was found intact. No soil contamination was noted and there was no indication of any leakage (D&K Construction, 1997). No groundwater was encountered and all confirmatory sampling found results below regulatory limits. No further reports were identified that demonstrate submittal to NYSDEC.

A Closure Report was completed by Dames and Moore, Bethesda, Maryland, in 1997. The report stated that it was conducted in accordance with the NYSDEC "SPOTS Memo No. 14" Site Assessments at Bulk Storage Facilities. The tanks were reported to be in compliance with Federal and State regulations and registered with NYSDEC (Registration ID No. 1-1128AMIT96F28Y). This report detailed the closure of the following tanks and recommended NFA necessary regarding these two tanks:

- UST at Building 100 containing Number 2 heating oil (4,000 gallons, double-walled fiberglass) was located adjacent to the southern and western wall of the building. The tank and associated piping were cleaned, excavated, and removed in 1997 by Brookside Environmental, Inc. of Babylon, New York. This tank was reported to be approximately 8 years old. All confirmatory sampling found results below regulatory limits. No further reports were identified that demonstrate submittal to NYSDEC.
- UST at Building 101 containing Number 2 heating oil (1,000 gallons, double-walled) was located adjacent to the northern wall of the building. The tank and associated piping were cleaned, excavated, and removed in 1997 by Brookside Environmental, Inc. of Babylon, New York. This tank was reported to be approximately 3 years old and never used. All confirmatory sampling found results below regulatory limits. No further reports were identified that demonstrate submittal to NYSDEC.

A Closure Report by D&K Construction Co., Inc. was completed in August 1995 and describes the following:

- UST at Building 101 was reported to contain water (1,000 gallons, single-walled fiberglass). This tank was removed in June 1995. The tank was reported to be approximately 8 years old and is designated in the closure report as a Number 2 heating oil tank. The tank and associated piping were excavated and removed. The vent pipe was left in place for a new tank installation. A soil sample taken had results slightly over the limits for meta + para-xylenes at 250 parts per billion (ppb) and ortho-xylenes at 130 ppb. It was determined that because of the location of adjacent underground electrical bank next to the sample location, the results were only slightly over the regulatory limits, and the sample was taken from the sidewall several feet above the level of the groundwater in the area, re-excavation of the area was not recommended. NFA was recommended by D&K Construction Co., Inc.; however, the Closure Report comments stated that there was a history of water leaking into the tank at a rate of approximately 100 gallons per month. Upon removal of the riser, it was discovered that the manway was not attached to the riser, thereby allowing access of rainwater to the tank. The area was checked for overfill from rainwater, but none was noticed through visual observation and the use of a HNu meter. This may have been the cause of the slight soil contamination noted in one sample. Also, a sitewide subsurface investigation was performed, leading to the conclusion that "No contamination that would be harmful to human health or the environment was found at the USARC – Amityville" (USACHPPM, 1997).

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. Additional environmental records of this site are located at the Environmental Office at Ft. Totten and have been requested.

3.5.1 Cultural Resources Survey Report

A Natural/Cultural Resource Survey was completed in 2000 and an Integrated Cultural Resource Management Plan (ICRMP) was completed in 2002 for this site.

Between 1956 and 1970, the site, then called the Amityville Nike Missile Battery, was a Nike Missile Launch Area. When active, the Amityville Launch Area was armed with Ajax and, later, retrofitted for firing Hercules missiles. The site had three firing magazines, which were controlled by the Battery Control Area in East Farmingdale, New York. Structures associated with the Cold War activity, such as berms, barracks, and mess hall, have been removed. The missile silos have been decommissioned, capped with concrete, and over time, stormwater has infiltrated into the silos.

It was reported that in 1998, an architectural historian conducted archival research to ascertain the historic significance of the structures at the AFRC. The search was conducted at the Offices of Historic Preservation, New York State Office of Parks and Recreation in Peebles Island, New York, to determine whether any of the buildings were eligible for or listed in the National Register of Historic Places (NRHP) or the New York State Register of Historic Places. The results of this study at the State Historic Preservation Office (SHPO) showed that either there have been no surveys undertaken at the AFRC or there are no properties that are eligible for listing on the NRHP onsite or in the immediate vicinity. In addition, a letter dated January 28, 2000, was forwarded to the New York State Historic Preservation Office (NYSHPO) expressing the purpose and intent of the action.

A Section 110 survey of the site was conducted in December 2006, which indicated that there are no structures eligible for listing on the National Register based on Criterion A, B and C (77th RRC, 2007).

3.5.2 2004 Asbestos Inspection Report, LBP and Radon Survey

Environmental Enterprise Group, Inc (EEG) of South Carolina prepared an Asbestos Inspection Report in December 2004 for the AFRC. Potential types, quantities, locations, and conditions of asbestos were examined for five buildings on the Property. Confirmed asbestos-containing material (ACM) was found to be present in three of the five buildings on the Property. These included the following buildings:

- Building 100 (Main Reserve Center) confirmed nonfriable ACM in the floor tile and floor tile mastic
- Building 101 (OMS) confirmed nonfriable ACM in the floor tile
- Building 105 (Storage Building) confirmed nonfriable ACM in sheet rock joint compound or mud

No additional ACM abatement actions were undertaken since the last survey (77th RRC, 2007).

The Garvey Building was built in 2000 and because of the recent date of construction, asbestos was not determined to be part of the construction materials used for this building.

Ballasts did not contain labeling indicating the absence or presence of PCBs. A transformer was observed behind Building 100 during the site reconnaissance. There was no evidence of leaking and no indication that the transformer contains PCBs.

No LBP surveys have been conducted at the Property. Facilities constructed before 1981 are likely to have been treated with lead-containing paint. Three of the buildings on the property were constructed before 1981 and have the potential to have LBP. At the time of the site survey, painted surfaces were in good condition, having no chipped or peeling paint.

According to the 77th RRC, a Radon Survey was conducted in Sept. 1998 and the results were reported to range from 0.3 to 1.0 picoCuries per liter of air (pCi/L). This range is below the New York State Department of Health level of concern of 0.4 pCi/L.

3.5.3 Integrated Natural Resource Management Plan

An Integrated Natural Resource Management Plan (INRMP) for the facility was reported to have been completed in 2003 and approved by the U.S. Fish and Wildlife Service and NYSDEC in 2004. According to the 77th RRC, this report indicates that no threatened or endangered species or critical habitats were known to occur at the site. Records have been requested from the 77th RRC.

A Planning Level Survey (flora, fauna, threatened and endangered species, vegetative communities, invasive species, and all available mapping) for the Property concluded that “the installation and adjacent area was determined to not encompass jurisdictional wetlands, sensitive or critical plant or animal habitat, and does not contain state or Federally listed threatened or endangered species,” (77th RRC, 2007).

3.5.4 1997 Geohydrologic Study, USACHPPM

The Geohydrologic Study, conducted by USACHPPM in 1997, involved sitewide groundwater and soil samples targeted at the areas of concern and data gaps to determine whether contamination was present onsite. The uppermost aquifer was sampled because the water table is shallow and the soil is highly permeable. The only area of concern not addressed by the study is the UST at Building 100, which has a separate clean closure report (Dames and Moore, 1997). The Geohydrologic Study report concluded that “No contamination that would be harmful to human health and the environment was found at the Amityville USARC” and it was recommended that NFA was necessary. Refer to Section 3.3.2 for sampling results.

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

4.1 Land Uses

Land use adjacent to the Property is a mix of residential and business properties. East of the AFRC there is a county right-of-way for Albany Avenue. Several small businesses are east of the AFRC on the east side of the highway. These businesses include: a natural gas equipment supplier, an automotive parts warehouse, and a lithographic company.

A town recreational park is located immediately north of the AFRC, which contains a pool, playground, and other recreation facilities. The area is paved and grassed. In addition, single-family residential areas are located to the north and west.

The property directly south of the AFRC is under construction for single family homes. Farther south, a new home development has been completed. The Catholic Church has numerous buildings to the south of the property.

Table 1 summarizes the current adjacent properties, their owners, and zoning.

TABLE 1
 Properties Adjacent to AFRC
Amityville AFRC, Amityville, New York

Name/Type of Property	Location	Distance and Direction from Property	Zoning
Small Businesses		Approximately 200–500 feet east	Light manufacturing & commercial district
Charles A. Horner Natural Gas	599 Albany Ave. North Amityville, NY		
Woodbury Automotive Warehouse	605 Albany Ave. North Amityville, NY		
Power Services Concept	605B Albany Ave. North Amityville, NY		
Lithographics Inc.	166 New Highway North Amityville, NY		
Recreational Park, Town of Babylon, Pool and School	New Highway North Amityville, NY	Approximately 200 feet north	Town property
North Amityville Community Services	Cedar Road and East Street	Approximately 200 feet northwest	Town property
Residential	Cedar Street and East Street North Amityville, NY	Approximately 200 feet north and west	Single family residential
Residential under construction	Schleigel Blvd. North Amityville, NY	Approximately 500 feet south	Single family residential
Catholic Church property	Schleigel Blvd. North Amityville, NY	Approximately 1,000 feet south on both sides of Albany and Schleigel Blvd.	Church property

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 affect the AFRC.

The regional groundwater flow is south-southeast, across the AFRC Property. The area is relatively flat. The Geohydrologic Study included the construction and sampling of three upgradient wells to assess the quality of the groundwater coming onsite from adjacent properties. That report found no significant contamination entering or leaving the Property.

Water well databases at the Federal and State level were reviewed to identify any water supply sources near the Property. The SCWA water supply source wells are located approximately 0.5 mile south of the Property. These are municipal wells owned by Suffolk County, and are located topographically downgradient from the Property. In addition, numerous wells are listed in the EDR report within 0.5 miles of the property; these are likely private wells.

Land use at adjacent properties does not appear to have changed substantially over the years, based on a review of available aerial photographs. Early in the century, the Property had open fields and was owned by the Catholic Church. Development in the area began in the 1940s based on the 1947 aerial photograph. The initial development in the area was mainly residential. The 1954, 1969, 1979, and 1994 aerial photographs indicated little change in the adjacent property land use.

5 Review of Regulatory Information

An essential component of an ECP is the review of records and databases containing information about 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 that 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 12, 2006. EDR provides a regulatory database summary that consolidates standard Federal, State, local, and Tribal environmental record sources based on ASTM-recommended minimum search distances from the Property.

All findings reported in Sections 5.1, 5.2, and 5.3 below 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 AFRC is not an NPL site, nor were any such sites located within 1 mile of the Property.

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 the Act. CERCLIS contains sites that are either 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 AFRC is not a CERCLIS site and there are no CERCLIS sites located within 0.5 mile of the AFRC.

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

Resource Conservation and Recovery Act (RCRA) corrective action (CORRACTS) sites represent facilities that have generated or managed hazardous wastes and require corrective action. The AFRC is not a CORRACTS site. Three CORRACTS sites were identified in the EDR report between 0.5 and 1 mile of the AFRC. These include Safety Kleen Corp., Polycom Huntsman, Inc., and KBF Pollution Management, Inc.

Safety Kleen is reportedly at a higher elevation and according to mapquest.com and maps.google.com, it is located 0.8 mile from the Property. Polycom Huntsman is approximately 1 mile to the northwest, and is at a slightly higher elevation than the Property. KBF Pollution Management is at a higher elevation than the Property, and is approximately 2.4 miles northwest of the site.

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

RCRA defines and regulates sites that generate, transport, or provide treatment, storage, or disposal (TSD) of hazardous wastes. The RCRA Information System (RCRIS) includes selective information on these sites.

The AFRC is not a RCRIS-TSD site and there are no RCRIS-TSD sites located within 0.5 mile of the AFRC.

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 kilograms (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 kg 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 AFRC is listed as a RCRA-registered small quantity generator by the NYSDEC and has been issued a generator identification number (NY3210499320). No RCRA violations are associated with the AFRC.

Eight small quantity generators are listed in the EDR report within 0.25 miles of the Property. No violations are listed for these sites and these companies were not found during the site reconnaissance. One immediately adjacent property, Health Sciences, Inc., approximately 200 feet southeast of the Property at 599 Albany Avenue, has no RCRA violations and is no longer located at the location. Charles A. Horner Natural Gas is now occupying that site.

Three large quantity generators are located within 0.25 mile of the AFRC:

Long Island Lithographers is located within 0.125 mile of the AFRC, approximately 500 feet southeast of the Property. This company is listed as a RCRA-registered large quantity generator by the NYSDEC and has been issued generator number NYD060321718. No RCRA violations were noted for that site.

Ivy Hill Graphics was located within 0.125 mile of the AFRC, southeast of the Property. This company is listed as a RCRA-registered large quantity generator by the NYSDEC and has been issued generator number NYD982727729. No RCRA violations were noted for that site. However, the company is no longer located at the location based on the site reconnaissance.

Captree Chemical Corp. (605 Albany Ave.) was located within 0.125 mile of the AFRC, east of the Property. This company is listed as a RCRA-registered large quantity generator by the NYSDEC and has been issued generator number NYR000108324. However, this company is no longer located at the location based on the site reconnaissance.

5.1.6 Federal Emergency Response Notification System List

The Emergency Response Notification System (ERNS) List maintains information on reported releases of oil and hazardous substances. The AFRC is not on this notification list.

5.2 State and Local Environmental Records

Most of the information presented in this subsection was obtained from the EDR report. Additional information was also obtained from online database searches of the State of New York's Web site (<http://www.dec.state.ny.us/cfm/extapps/derfoil/index.cfm>). Occasionally State and local agency personnel were interviewed by telephone to answer questions about any database issues. The Spills Incident Database Search found two sites near the site that had a spill record on file.

The McCleod residence at 428 Albany Avenue had a Number 2 fuel oil tank failure on March 24, 2001, resulting in a 15-gallon spill that affected soil. The spill was determined "closed" in the database on January 10, 2002.

The AMW Material Testing at 664-666 Albany Avenue had a spill on October 9, 2000, of unknown hazardous material of 0 gallons. The spill was determined "closed" in the database on December 11, 2000.

In addition, the North Amityville Swimming Pool adjacent to the Property on the north side (at approximately 800 feet) stores a hazardous substance, likely chlorine. No other information could be obtained regarding the substance storage.

Several ASTs are identified in the EDR report for the Property. In addition, the EDR report identifies drum storage areas on the Property, with a noted "not in compliance" statement. No further information could be obtained.

5.2.1 State Lists of Hazardous Waste Sites within 1 Mile

The AFRC is not on the State list of hazardous waste sites. One site (the Louis Sorrentino Property) was identified within 1 mile by EDR as delisted from the Registry of Inactive Hazardous Waste Disposal Sites. The site was found to be located 2.6 miles from the AFRC property according to maps.google.com.

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

The AFRC does not have a solid waste landfill, incinerator, or transfer station within the Property boundaries. No adjacent properties within 0.5 mile of the AFRC have a solid waste landfill, incinerator, or transfer station.

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 UST (LUST) sites. The AFRC is not listed in the State LUST database.

The EDR report listed nine LUST sites in various stages of closure within 0.5 mile of the AFRC and all were small releases of Number 2 heating oil and closed with NFA. It was

determined, however, that only two sites are within 0.5 mile of the AFRC’s address. Table 2 summarizes the information relative to the AFRC, and provides the status of their corrective action. These sites have been closed and have NFA status indicating it does not pose a threat to human health and the environment and therefore, will not have an environmental effect on the Property. The sites are at the same elevation (or just slightly higher) as the Property and, therefore, offsite migration from these site will likely not affect the Property.

TABLE 2
 Nearby Leaking Underground Storage Tank Sites
Amityville AFRC, Amityville, New York

Company/Site	Location	Distance and Direction from Property	Regulatory Status	Elevation Relative to Property
Captree Chemical/Ginco	605 Albany Avenue, North Amityville, NY	Approximately 600 feet east	Known release of No. 2 fuel oil, Corrective action, affected soil. Properly Closed 2002	Equal to slightly higher elevation
Residence—No 2 heating oil	37 Cedar Road, North Amityville, NY	Approximately 1000 ft northwest	Properly Closed	Equal to slightly higher elevation

5.2.4 State-Registered UST Sites within 0.5 Mile

After review of the EDR report and the New York State’s UST database, nine UST sites were identified within 0.5 mile of the AFRC. However, only five were determined to be within the search distance of the property. Table 3 lists the five sites along with their tank(s) status. The Property itself is listed in the State UST database as having nine USTs. The EDR report states that the tanks were removed; however, no formal closure statements were noted in the report. In addition, tank identifying numbers were not identified to cross reference these removed tanks with those identified in Section 3.4. As stated in Section 3.2, closure reports were reviewed for the USTs.

Numerous sites were in the vicinity that formerly stored heating oil USTs; most of these tanks have been removed.

TABLE 3
 Nearby Underground Storage Tank Sites
Amityville AFRC, North Amityville, New York

Company/Site	Location	Distance and Direction from Property	Tank Status	Closure Status	Elevation Relative to Property
Albert Kemperle, Inc	176 New Highway, North Amityville, NY	Approx. 600 feet east, northeast	Drum storage and No. 2 fuel oil	Removed 2002—No other information	Slightly higher elevation
Main Products, Inc.	178 New Highway, North Amityville, NY	Approx. 600 feet east, northeast	No. 2 fuel oil	Active	Slightly higher elevation
Tritone	166 New Highway, North Amityville, NY	Approx. 600 feet east northeast	No. 2 fuel oil	Active	Slightly higher elevation
Multi-Occupied Building	167-169 New Highway, North Amityville, NY	Approx. 600 feet east northeast	22 tanks—No. 2 fuel oil	12 Removed 2002/2003 No other information	Slightly higher elevation
Albany avenue LLC	605 Albany Ave, North Amityville, NY	Approx. 600 feet east northeast	2 tanks—No. 2 fuel oil	2 Removed 2002 No other information	Slightly higher elevation

5.2.5 State Spills Incidents

The AFRC is not listed on the New York State petroleum spill list. EDR did not list any petroleum spills within 0.5 mile, other than those associated with USTs (which are described above).

5.2.6 Records of Contaminated Public Wells

The EDR report identified several public water supply wells (SCWA) located approximately 0.25 mile southwest of the AFRC. No records of any contamination of these supply wells were found.

5.2.7 Voluntary Remediation Program Sites within 0.5 Mile

The AFRC is not listed in New York's Brownfields Program (the successor to the Voluntary Cleanup Program). No sites located within 0.25 mile of the AFRC are listed as being in the Brownfields Program.

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

The AFRC is not registered with the State as a bulk fertilizer and pesticide storage facility. Additionally, no adjacent properties within 0.25 mile were registered fertilizer or pesticide facilities.

5.3 Unmapped Sites

Thirty-five unmapped or orphan sites were provided in EDR Radius Map Report (July 2006). Using the mapping utility provided at maps.google.com, the locations of the orphan sites were identified and mapped relative to AFRC property. Thirty-three of the sites were located at a distance of greater than 1.0 mile from the Property, which is outside ASTM Search Radius distances as described above. Two sites, described below were located within 0.5 mile, however, they do not pose environmental importance to the AFRC.

- Island Medical Waste Removal, Inc. (address: 172 New Highway, Amityville) was identified in the NY Manifest database and is located within 0.25 miles from the AFRC. There are no violations associated with this facility.
- NYSDEC Oil Spills (address 150 New Highway, Amityville) was identified in the NY Manifest database and is located within 0.25 miles from the AFRC. In a search of the NYSDEC Spill Incident database (refer to Web site citation in Section 5.2 above), the following information was found. Abandoned drums were found in June 1996 at this location and categorized as containing “unknown petroleum” (Spill Number 9604093) that affected the soil. The spill incident was “closed” by the case manager at NYSDEC in August 1996 stating that the records and data submitted indicate that the necessary clean-up and removal actions have been completed and no further remedial actions are necessary.

5.4 Summary of Properties Evaluated to Determine Risk to the Property

To summarize Subsections 5.1 through 5.3, approximately 36 separate properties, near or adjacent to the AFRC, were evaluated as potential risk properties to the Property. These adjacent properties evaluated were identified as a result of information obtained during area reconnaissance, interviews, and regulatory database searches.

Based on an evaluation of available site information and details concerning the properties evaluated, none of the facilities evaluated exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at the AFRC property. This is supported by the Geohydrologic Study (USACHPPM, 1997), which included three upgradient wells to evaluate the groundwater quality entering the Property. Only TPHs were identified in water from two of the wells, at a concentration below 1 ppm. New York does not have groundwater quality criteria for TPHs.

6 Site Investigation and Review of Hazards

Findings documented in the following subsections are based on the August 30, 2006, site reconnaissance, a review of available site records, and information obtained from USAR personnel.

6.1 USTs/ASTs

USTs associated with this facility were removed, and clean closure reports were obtained and summarized in the above sections.

There are two ASTs currently onsite and newly installed USTs are associated with the new wash rack and OWS. These are summarized as follows:

- AST (also referred to as an oil pod) at Building 105 contains used oil (1,000 liters or approximately 300 gallons). This tank is fairly new and is currently in use.
- AST at Building 101 contains diesel fuel (500 gallon, double-walled concrete). This was installed in June 2002 and is currently in use, under USMC responsibility.
- USTs (northwest of Building 101) associated with the wash rack and OWS, which are currently in use.

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.

Organizational and Maintenance Shop (Building 101)

Several hazardous material storage units and lockers were observed on the Property at the OMS under Army supervision and also under the USMC supervision. The HAZMAT lockers are kept locked; however, the majority of the sheds were opened for inspection during the site reconnaissance. Table 4 provides a recent inventory (March 2006) conducted during the Stormwater Pollution Prevention Plan update, which was generally confirmed during the site reconnaissance as accurate. An electronic inventory is maintained by the OMS point of contact and is updated every 30 days.

In Building 101, two 55-gallon drums of used antifreeze and one drum containing used rags are on spill pallets. The drums of waste materials are moved to an outdoor hazardous waste storage shed when full. In addition, the area has an oil filter crusher where oil is collected in a 55-gallon drum that is pumped out by Army Environmental manager (from Fort Totten), a generator, and a tire machine. A parts cleaner, "Graymills," is in use and an old parts cleaner (not in use) is also located indoors. It was reported that all cleaning solutions used in

the parts cleaners were recovered and maintained by the parts cleaner contractor and disposed of properly.

Also present is a corrosives locker (containing small batteries) and a locker containing spray paint. Propane, oxygen, and acetylene are located inside. A small storage area contains drums of oil on a spill pallet, which are moved to an outdoor HAZMAT storage shed at night. HAZMAT storage units, rooms, and lockers store spray paint, lube oil, WD-40, and windshield washer fluid. Outside, the hazardous waste storage shed has rags, spray cans, used filters, antifreeze, florescent lights, and oil cans. All inside and outdoor storage lockers are properly contained units or have secondary containment systems. Stains were noted on the pavement in the outside storage area (Photograph 5, Appendix B). According to the USACHHP Report, possible spills or leaks could have included solvents, POL, and battery acid. These materials were stored outside.

Building 101 has six "Indian blue," 60-gallon containers that uses a pump to dispense product. These drums contain antifreeze, 15W40, 90W, 10W, Transmission fluid, and 30W. These are contained on a spill pallet. The USMC, which operates in Building 101, also has a satellite accumulation point to collect waste fuel, antifreeze, oil, and rags.

The USMC has four HAZMAT sheds outside of Building 101 that house the storage of antifreeze, diesel fuel, gasoline, waste antifreeze, and spray paint. These sheds have sprinklers and fire alarms.

Current tenants use a licensed commercial company for herbicide and pesticide management. No mixing or storage of pesticides, rodenticides, or herbicides was noted during the site reconnaissance. Interviews did not indicate any development of photographs or use of mercury. The 77th RRC reported that a "Command-wide" Integrated Pest Management Plan (IPMP) was conducted in December 2004 and is updated annually. This is a general plan and is not site-specific to individual Reserve Centers. No records exist on annual pesticide applications for the site.

Lithium batteries are stored at the Garvey Building and in a storage shed associated with the USMC operations at that building. No spills were identified during the site reconnaissance that involved spills of hazardous substances (including paints, gasoline, diesel, oil, lubricants, antifreeze, pesticides, and transformers). No hazardous waste has been burned or disposed of onsite according to site interviews. There are no lagoons or ponds onsite that were used for disposal of hazardous material or waste. No medical waste was identified onsite. No deicing of vehicles is conducted onsite. Solid waste is disposed of by a private contractor currently and historically. Hazardous waste is stored in the outdoor storage sheds and is disposed of through a licensed contractor. No hazardous wastes are treated or disposed of at the Property. The storage areas were observed to be in good condition and there were no indications of any releases or spills to the environment.

TABLE 4
 Hazmat Inventory at Building 101
 Amityville AFRC, North Amityville, New York

Common Name	Manufacturer	Quantity	Container
Cabinet 1—Paint Locker at Building 101			
Silicone Brake Fluid	Dow Corning	1	1 gal
Anti Freeze	Starbrite	1	1 gal
Concentrated Cleaner	Simple Green	2	710 ml
Lubricant	Sabre	1	1 gal
Lubricant w/ teflon	Zep 45	1	60 oz
Multipurpose Product	WD-40	1	16 oz
Adhesive	Miracle	1	32 oz
Lubricant Solid	Sandstorm Products	1	1 quart
Tint Base	Glidden	1	28 oz
Generator Engine Oil	Coleman	1	1 quart
Ink, Marking, Stencil, Opaque	so-sure	10	10.5 oz
Industrial Enamel Paint	Eco sure	2	11 oz
Industrial Enamel Paint	Eco sure	1	11 oz
Industrial Enamel Paint	Eco sure	2	11 oz
Industrial Enamel Paint	Eco sure	2	11 oz
Protective Enamel	Rust-oleum	2	12 oz
Gloss Protective Enamel	Rust-oleum	1	12 oz
Engine Enamel	plasti-kote	3	11 oz
Engine Enamel	plasti-kote	1	11 oz
Spray Paint	Valspor	1	12 oz
Interior/Exterior Clear Protector	Valspor	2	12 oz
Styrenated Alkyd Enamel	so-sure	1	10.5 oz
Interior/Exterior clear Protector	so-sure	1	10 oz
Multi-purpose spray paint Apple Red	Rust-oleum	1	12 oz
Fluorescent Spray	Keson	1	13 oz
Marking Paint	Rust-oleum	1	3.78 liners
Marking Paint	Rust-oleum	2	128 oz
Grease, Automotive & Artillery	Summit Lubricants inc	1	
Transmission Fluid	GM	1	1 quart
Cabinet 2 at Building 101			
Silicone Rubber Adhesive	GE	5	

TABLE 4
 Hazmat Inventory at Building 101
Amityville AFRC, North Amityville, New York

Common Name	Manufacturer	Quantity	Container
Adhesive Polyvinyl Acetate	Steven Industries	6	8oz
Engine Oil	STIHL	3	12.8 oz
Bar and Chain Lubricant	STIHL	1	32 oz
General Purpose Lubricant	ProLube	1	12.5 oz
Gum Cutter	Berkebile	1	13 oz
Brake and Parts Cleaner	Myers	1	14 oz
Isopropyl Alcohol	Hydrox	1	1 quart
Heavy Duty Degreaser	Spraynine	2	32 oz
Cleaning Compound Windshield	Rite-Kem	2	16 oz
Airline System Antifreeze	Power Service	1	32 oz
Charcoal Lighter	Kingsford	1	32 oz
Diesel Starting Fuel	QuickStart	17	22 oz
Propane Fuel	Turner Tornado	4	14.1 oz
Cabinet 3 at Building 101—Blue Locker			
AA Dry Battery	Rayovac	4	24
9V Dry Battery	Rayovac	1	12
5V Battery	Ultralife	6	12
Battery, non rechargeable	Eagle-Picher Energy	1	8
3V Battery	Kodak Max	52	
9V Battery	Ultra Life	1	10
Rechargeable Battery	Bren-Tronics	6	1
Rechargeable Dry Battery	Bren-Tronics	6	1
Building 106			
5 ton tires	Michelin	4	
Hum V Tires	Wrangler	15	
Anti-Freeze	Full Force	2	1 gal
Anti-Freeze	Starbrite	4	1 gal
Speedy Dry		1	bag
870 trailer tires		10	
Heavy Duty Degreaser	SprayNine	19	1 quart
Industrial Enamel Paint	Skilcraft	174	11 oz
Windshield cleaning Compound	Rite-kem	34	16 oz

TABLE 4
 Hazmat Inventory at Building 101
 Amityville AFRC, North Amityville, New York

Common Name	Manufacturer	Quantity	Container
Storage battery	Exide corp	24	2 gal
Windshield Wiper Fluid	Gonoa Int.	3	5 gal
Outdoor Storage Room at Building 101			
Anti-Freeze	Full Force	28	1 gal
Anti-Freeze	Star brite	12	1 gal
Engine Oil	Imperial Oil Comp	1	55-gallons
Hydraulic Fluid	Pit Pen Oil	1	55-gallons
Engine Oil	Imperial Oil	1	55-gallons
5 gallon fuel containers	Fuel	10	5-gallons
Automatic Transmission Fluid	Chevron	1	5 gal
Fuel System Icing Inhibitor	CSD Inc	3	5 gal
Tech Methanol	Jem Sales, Inc	1	5 gal
Engine Oil	Imperial	21	5 gal
General Purpose Lubricant	Pro Lube	5	12.5 oz
Brake Fluid	San Juan Int.	5	1 gal
Storage Shed at Building 101			
Hum V Batteries		16	
Stan Batteries		3	
Storage Shed at Building 101			
Engine Oil	Imperial	2	5 gal
Engine Oil	Imperial	6	5 gal
Fuel Filter	Kaydon	4	
Fuel Filter	Racer	1	
Fuel Filter		3	
Oil Can (engine)	Stihl	2	12.8 fl oz
Aerosol Spray Top		25	

Adapted from 2006 Stormwater Pollution Prevention Plan and verified in August 2006.

6.3 Waste Disposal Sites

Available records and interviews did not indicate the practice of onsite waste disposal other than through managed storage and offsite disposal. No waste disposal sites were observed during the site reconnaissance, nor were any signs of past onsite waste disposal (such as stressed vegetation or suspicious depressions in the landscape) observed.

6.4 OWSs, Pits, Sumps, Drywells, and Catch Basins

During the site reconnaissance, a sump was noted in the basement of Building 100, to collect and pump water out of the boiler room. Site interviews indicate that this sump is connected to the sanitary sewer system. The 77th RRC verified the sump is connected to the sanitary sewer system (77th RRC, 2007). A grease trap is associated with the onsite kitchen.

Two onsite OWSs were properly closed. One was a 90-gallon subsurface metal OWS within a concrete vault at Building 101 and the other was a 55-gallon subsurface concrete OWS at Building 105. These separators were excavated and disposed of offsite. Sampling was performed and there are no indications of a release to the environment. The wash rack at Building 105 was also excavated and closed. A new wash rack and OWS were installed in 2005 near Building 101.

6.5 Asbestos-containing Material

EEG of South Carolina prepared an Asbestos Inspection Report in December 2004 for the AFRC. Potential types, quantities, locations, and conditions of asbestos were examined for five buildings on the Property. Confirmed ACM was found to be present in three of the five buildings on the Property. These included Building 100 (Main Reserve Center) in the floor tile and tile mastic, Building 101 (OMS) in floor tile, and Building 105 (Storage Building) in sheet rock joint compound. None of the ACM was determined to be friable. No additional ACM abatement actions were undertaken since the last survey (77th RRC, 2007). The Garvey Building was built in 2000. Because of the recent date of construction, asbestos was not a part of the construction materials used for this building.

6.6 PCB-containing Equipment

One pad-mounted transformer is located on the Property, at the rear of Building 100. No labels are present on the transformer to indicate whether it contained PCB fluid. During the August 2006 site reconnaissance, the unit appeared to be in good condition and no evidence of leakage was observed. Long Island Power Authority is responsible for the transformers.

During the August 2006 site visit, fluorescent light fixtures were observed in the Main Reserve Center and OMS. The ballasts currently present at the Property appear to be in good condition and no leaking dielectric fluid was observed during the site inspection. As such, they are in compliance with Federal and State regulations and have not negatively affected environmental conditions at the Property. However, if any ballasts that are not marked "No PCBs" are encountered and begin to leak or are removed from service, then they should be assumed to fall under the USEPA definition of PCB equipment and must be managed in accordance with applicable local, State, and Federal regulations.

6.7 Lead-based Paint

A LBP survey was not found during records search. Records have been requested from the 77th RRC. Additional detail will be provided when the records have been received. Three of the buildings on the Property were constructed before 1978 and have the potential to have

LBP present. At the time of the site survey, painted surfaces were in good condition, having no chipped or peeling paint observed, with the exception of Building 105.

6.8 Radon

The 77th RRC conducted a radon survey on September 15–18, 1998, at the Main Reserve Center building. The results were 0.3 and 1.0 pCi/L, below the USEPA recommended action level of 4.0 pCi/L.

The EDR report also provides radon test results for the 11701 zip code area. The results concluded that the basements in the area had an average radon activity level of 1.010 pCi/L, and first floor living areas had an average level of 0.670 pCi/L.

The USEPA and the USGS have evaluated the radon potential in the U.S. and have assigned each of 3,141 counties to one of three zones based on radon potential. Each zone designation reflects the average short-term radon measurement that can be expected to be measured in a building without the implementation of radon control methods. The radon zone designation of Suffolk County is Zone 3, Low Potential – less than 2 pCi/L.

6.9 Munitions and Explosives of Concern

Based on a review of available records, the site reconnaissance, and interviews with AFRC personnel, there are no indications that munitions or explosives of concern (MEC) are or were present at the Property.

There was an indoor firing range on the Property, located in Building 100 (ground floor), which was decommissioned in 2001. It was a manual target retrieval system, having no sand, and had fiberboard for sound, a steel deflector system, and no floor drains. This room had a wall-mounted air intake louver and a roof-mounted air exhaust fan.

The range was decommissioned and cleanup consisted of cleaning and removing stored items; removing sound-deadening board; removing the bullet trap and associated lead; cleaning the floors, ceilings, and range sidewalls; cleaning and removing the air handling system; and scabbling and sealing the floor (based on clearance data). Confirmatory wipe samples were collected following the steam cleaning. All wipe sample results indicated that lead levels were below 200 micrograms (μg)/square foot, and that the range is safe for reoccupation (IT Corporation, 2003).

The Army and the USMC store small firearms at the AFRC in locked rooms. In addition, missile silos were previously onsite, but have been decommissioned.

6.10 Radioactive Materials

Based on a review of available records, the site reconnaissance, and interviews with AFRC personnel, there is no indication that radioactive materials were stored or used at the AFRC.

7 Review of Special Resources

7.1 Land Use

The Town of Babylon Planning and Zoning Department has designated this Property as military, commercial and surrounding properties as C-1-Light Commercial. The site is located in a mixed-used area that combines commercial, industrial, and residential land uses.

7.2 Coastal Zone Management

The NYSDEC, Division of Water is the lead agency for the New York Coastal Management Program. This Property is not included in the coastal zone management plan, nor is it in a coastal zone (BRAC 05 Installation NEPA Information Needs Questionnaire).

7.3 Wetlands

The NWI prepared by the U.S. Department of the Interior (USDO I) has identified two wetlands, both within 1,000 feet (or within 0.25 miles) of the property to the northeast and northwest (EDR, 2006). These wetlands are classified as palustrine, flat, temporary, excavated wetlands that are used as sumps (classified as PFLAx). The Environmental Assessment (J.M. Waller Associates, 2000) reported the wetlands to the north and south of the Property. The 2000 Environmental Assessment stated that the NYSDEC and the Town of Babylon, Department of Environmental Control do not recognize the classification as wetland areas and they further stated that there were no sensitive wetland areas within 1 mile of the Property (J.M. Waller Associates, 2000).

7.4 100-year Floodplain

The AFRC Property is located approximately 2 miles north-northwest of the closest flood prone area identified by FEMA (J.M. Waller Associates, 2000). This flood prone area is associated with a small tributary of the South Oyster Bay. The AFRC is located on FEMA Map 36103C0835G, which is not available for review. However, the EDR report map does not show the Property within a 100-year or 500-year flood zone.

7.5 Natural Resources

A Planning Level Survey (flora, fauna, threatened and endangered species, vegetative communities, invasive species, and all available mapping) for the Property concluded that “the installation and adjacent area was determined to not encompass jurisdictional wetlands, sensitive or critical plant or animal habitat, and does not contain state or Federally listed threatened or endangered species” (77th RRC, 2007).

In addition, the Environmental Assessment (J.M. Waller Associates, 2000) concluded upon review of the Federal and State Threatened and Endangered Species List that there is no significant potential for affecting threatened or endangered species or habitats within the project vicinity. It was further stated that no fish are in the vicinity of the project area and wildlife includes small rodents, rabbits, and birds.

7.6 Cultural Resources

It is reported (BRAC 05 Installation NEPA Information Needs Questionnaire) that a Natural and Cultural Resource Survey (and mapping) was conducted in 2001. Records have been requested from the 77th RRC. Additional detail will be provided once the records have been received.

A Section 110 survey of the site was conducted in December 2006 and indicated that there were no structures eligible for listing on the National Register based on Criterion A, B, and C (77th RRC, 2007).

7.7 Other Special Resources

None.

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 USC 9601(14)) were used and stored at the Property in amounts necessary to support unit-level vehicle and building maintenance activities. It is unknown whether hazardous substances were stored for 1 year or more in excess of reportable quantities when the Property operated as a Nike missile launch facility. Hazardous substances were released to the environment, as evidenced by the detections of trichlorofluoromethane in groundwater. However, available information indicates that during the USAR use of the Property, hazardous substances in excess of reportable quantities were not stored for more than 1 year and were not released to the environment.

USTs/ASTs. Available records and site reconnaissance indicate that two ASTs are currently, and several ASTs were formerly, located on this property. Several USTs containing POL were located at the Property and removed at varying dates. Closure reports have documented NFA recommendations for all property ASTs and USTs. One UST associated with an OWS is currently onsite. NYSDEC records on registration of this tank have been requested.

Non-UST/AST Petroleum Storage. Petroleum storage was observed in 55-gallon drums on the Property. Some hydraulic fluids were spilled during the addition of hydraulic fluids to the Nike missiles (USACHPPM, 1997); however, a sitewide subsurface investigation was performed, leading to the conclusion that "No contamination that would be harmful to human health or the environment was found at the USARC – Amityville" (USACHPPM, 1997).

PCBs. One pad-mounted transformer unit is located on the Property. No labels were located on the unit to indicate whether the fluid contains less than 2 ppm of PCBs. The transformer exterior was in good condition at the time of the site reconnaissance, and no evidence of releases (for example, no stains on pad or adjacent soil) was observed. Long Island Power Authority is responsible for the transformers.

Ballasts did not contain labeling indicating the absence or presence of PCBs. No surveys of PCB-containing equipment have been performed for the Property. Some existing capacitors and light ballasts may contain PCBs.

Pits, Sumps, Drywells, and Catch Basins. During the site reconnaissance, a sump was noted in the basement of Building 100, used to collect and pump water out of the boiler

room. This sump is connected to the sanitary sewer system. A former acid neutralization pit associated with the Nike missile facility was reportedly removed.

Two onsite OWSs were properly closed. One was a 90-gallon subsurface metal OWS within a concrete vault at Building 101 and the other was a 55-gallon subsurface concrete OWS at Building 105. These separators were excavated and disposed of offsite. Sampling was performed and there were no indication of a release to the environment. The wash rack at Building 105 was also excavated and closed. A new wash rack and OWS were installed in 2005 near Building 101.

ACM. EEG of South Carolina prepared an Asbestos Inspection Report in December 2004 for the AFRC. Potential types, quantities, locations, and conditions of asbestos were examined for five buildings on the Property. Confirmed ACM was found to be present in three of the five buildings on the Property. These included Building 100 (Main Reserve Center) in the floor tile and tile mastic, Building 101 (OMS) in floor tile, and Building 105 (Storage Building) in sheet rock joint compound. None of the ACM was determined to be friable. No additional ACM abatement actions were undertaken since the last survey.

The Garvey Building was built in 2000. Because of the recent date of construction, asbestos was not a part of the construction materials used for this building.

LBP. No LBP surveys have been conducted at the Property based on the records available at the time of preparation of this draft final report. Records have been requested from the 77th RRC. Additional detail will be provided when the records have been received. Facilities constructed before 1978 are likely to have been treated with lead-containing paint. Three of buildings on the property were constructed before 1978 and, therefore, have the potential to have LBP. At the time of the site survey, painted surfaces were in good condition, having no chipped or peeling paint observed, with the exception of Building 105.

Radiological Materials. Based on available records review, interviews, and the site reconnaissance, there is no evidence of any radiological materials storage or releases at the Property.

Radon. The 77th RRC conducted a Radon Survey on September 15-18, 1998 at the Main Reserve Center building. The results were 0.3 and 1.0 pCi/L, below the USEPA recommended action level of 4.0 pCi/L.

MEC. Available records do not indicate MEC was formerly located at the Property, with the exception of the missile systems. Storage of MEC was noted during the site reconnaissance in two storage rooms (16 feet by 20 feet) in Building 100, however, these areas were not authorized for site inspection. One is under USAR responsibility and one is under USMC.

Between 1957 and 1970, the site, then called the Amityville Nike Missile Battery, was a Nike Missile Launch Area. When active, the Amityville Launch Area was armed with Ajax and, later, retrofitted for firing Hercules missiles. The site has three firing magazines, also referred to as missile silos, which were controlled by the Battery Control Area in East Farmingdale, New York. Structures associated with the Cold War activity – such as berms, barracks, and mess hall – have been removed. The missile silos have been decommissioned, capped with concrete, and over time, stormwater has infiltrated into the silos.

Surrounding Properties. Potential environmental sites of concern, located within the ASTM search radius from the Property, were evaluated through database review and site reconnaissance. None of the adjacent properties evaluated exhibited environmental conditions that had or have the potential to adversely affect environmental conditions at the Property.

Wetlands and Floodplain. The NWI prepared by the USDOJ has identified two wetlands, both within 1,000 feet (or within 0.25 mile) of the property to the northeast and northwest (EDR, 2006). The Property is not located within a 100-year floodplain or within a coastal zone.

Threatened and Endangered Species. A Planning Level Survey (flora, fauna, threatened and endangered species, vegetative communities, invasive species, and all available mapping) for the Property concluded that, "the installation and adjacent area was determined to not encompass jurisdictional wetlands, sensitive or critical plant or animal habitat, and does not contain state or Federally listed threatened or endangered species."

Archaeological and Historical Resources. An archival search was conducted in 1998 to ascertain the historic significance of the structures at the AFRC. The results of this study at the SHPO showed that either there have been no surveys undertaken at the AFRC or there are no properties that are eligible for listing on the NRHP onsite or in the immediate vicinity. A Section 110 survey of the site was conducted in December 2006 and indicated that there were no structures eligible for listing on the National Register based on Criterion A, B, and C.

8.2 Environmental Condition of Property

Findings of this ECP report were based on reasonably available environmental information, interviews with site and 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 were also 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 3. This designation is based primarily on the presence of trichlorofluoromethane at a low level in site groundwater and xylene in soil at concentrations slightly above regulatory limit at a location adjacent to an underground electrical bank.

9 References

Persons Contacted/Interviewed

Mr. Robert Bennett, 77th Regional Readiness Command, Area Facility Manager, (646- 996-8561), August 30, 2006.

77th RRC. 2007. Ravi Ajodah, 77th Regional Readiness Command. Environmental Comments provided in *Consolidated ECP Review Comments, Phase I Draft ECP Check Copy Review*. For Amityville AFRC, Amityville, NY (NY002). April.

Resources Consulted

Aerial Photographs provided by Environmental Data Resources, Inc. dated 1957, 1966, 1976, 1980, and 1994.

FEMA Flood Hazard Insurance Map, <http://msc.fema.gov/>.

State and Local Regulatory Databases

<http://www.dec.state.ny.us/cfm/xtapps/derfoil/spills/details.cfm>.

Works Cited

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D&K Construction Co., Inc. 1995. UST Closure Report, Building 101, Amityville USARC. Amityville, NY.

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Goodman, Sherri. 1996. Memorandum. October 21.

IT Corporation. 2003. Range Cleanup – NY002, 77th RSC, Amityville, NY.

J.M. Waller Associates. 2000. Draft Environmental Assessment for Proposed New Warehouse Construction at Amityville AFRC, Amityville, NY.

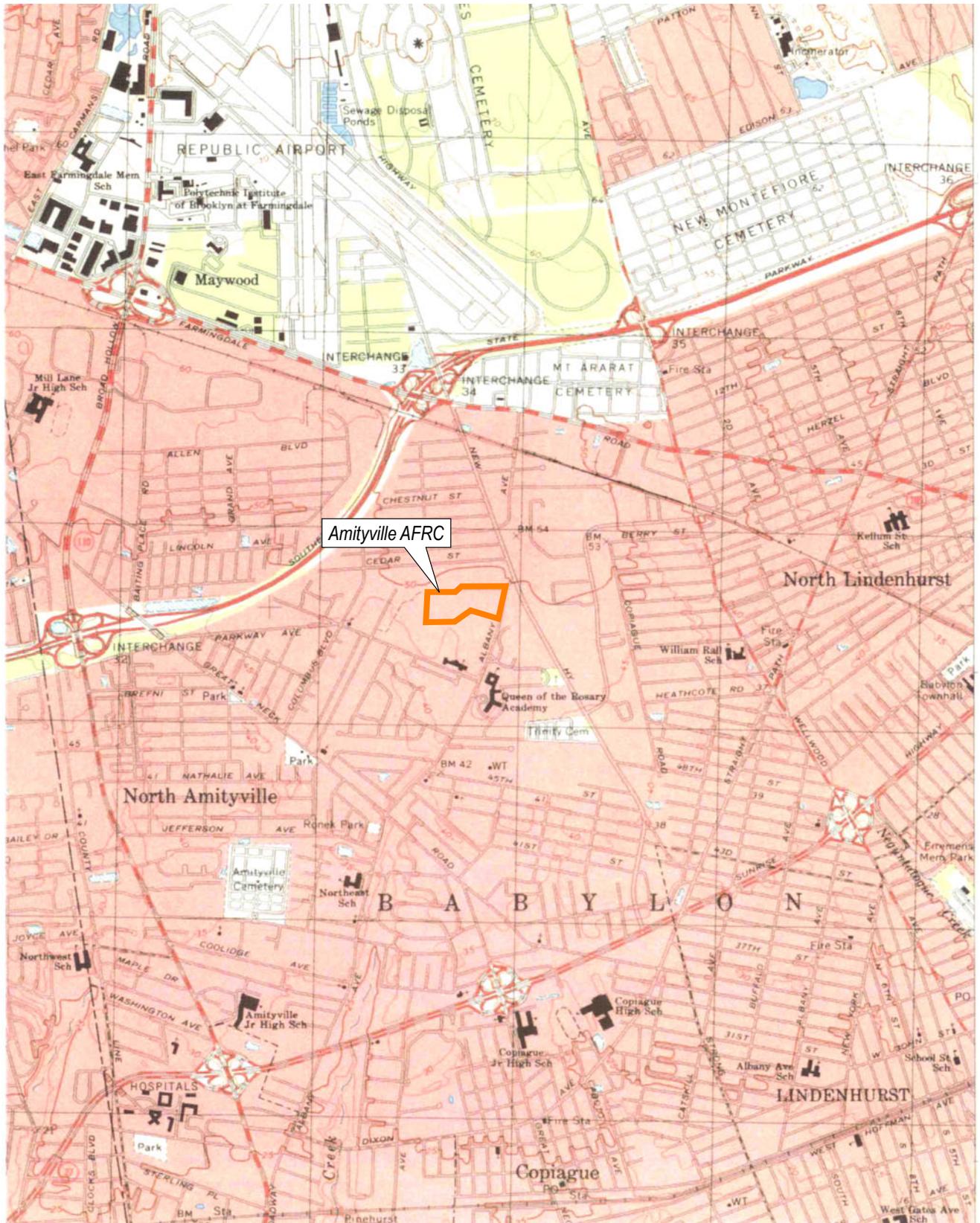
Law Engineering Company. 1986. Final Report Investigation of Former Nike Missile Sites for Potential Toxic and Hazardous Waste Contamination. March.

U.S. Army, 77th Regional Support Command, Environmental Division. 1998. Closure Report for USTs, ASTs, OWSs, Wash Rack, and Floor Drains at Buildings 101, 015, 106 of the Amityville AFRC, Amityville, NY.

U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM). 1997. Geohydrologic Study No. 38-EH-6746-97, USARC – Amityville, NY.

U.S. Army Corps of Engineers Mobile and New England Districts. No Date. BRAC 05 Installation NEPA Information Needs Questionnaire – Amityville AFRC, Amityville, NY.

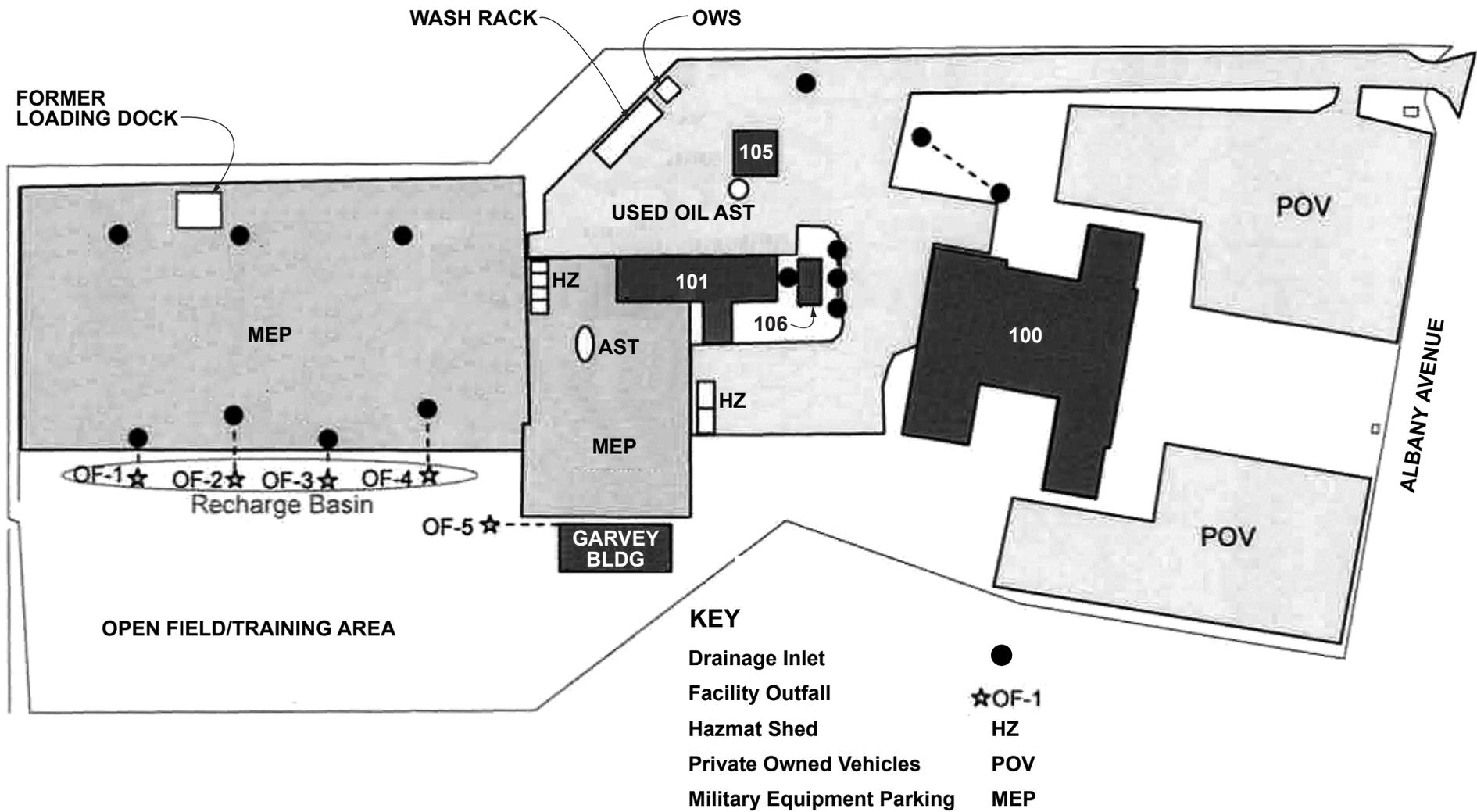
Appendix A
Figures



N ^ EDR INQUIRY# 1714247.16 TARGET QUAD: AMITYVILLE YEAR: 1994 Series: 7.5' Scale: 1:24,000



FIGURE 1
 General Site Location Map
 Phase I ECP Report



North
Not To Scale

ADAPTED FROM: STORMWATER POLLUTION PREVENTION PLAN
(BROWNE AE&T GROUP, 2006)

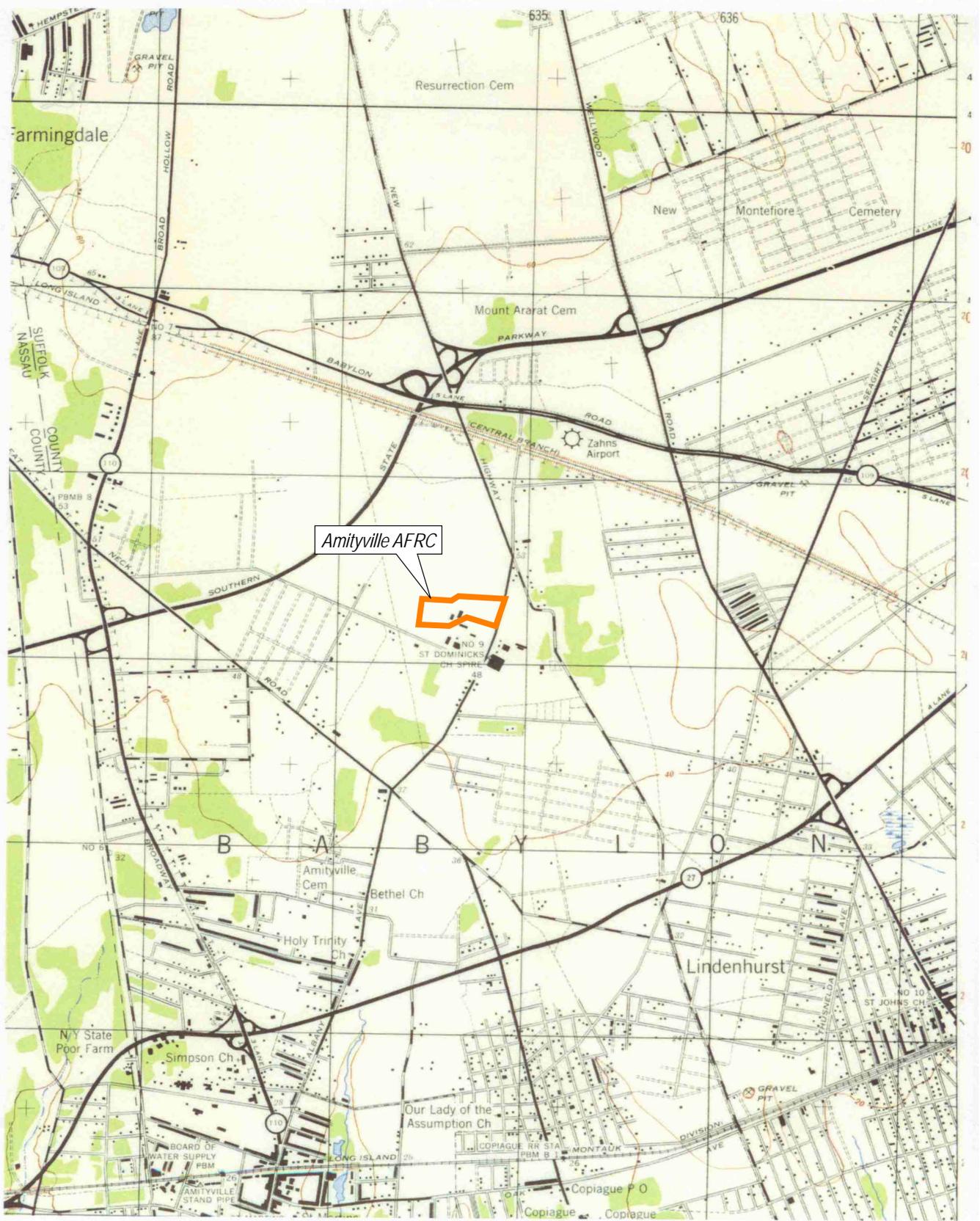
FIGURE 2
Site Layout Plan
Phase I ECP Report



N ^ EDI INQUIRY# 1714247.16 TARGET QUAD: BABYLON YEAR: 1903 Series: 15' Scale: 1:62,500



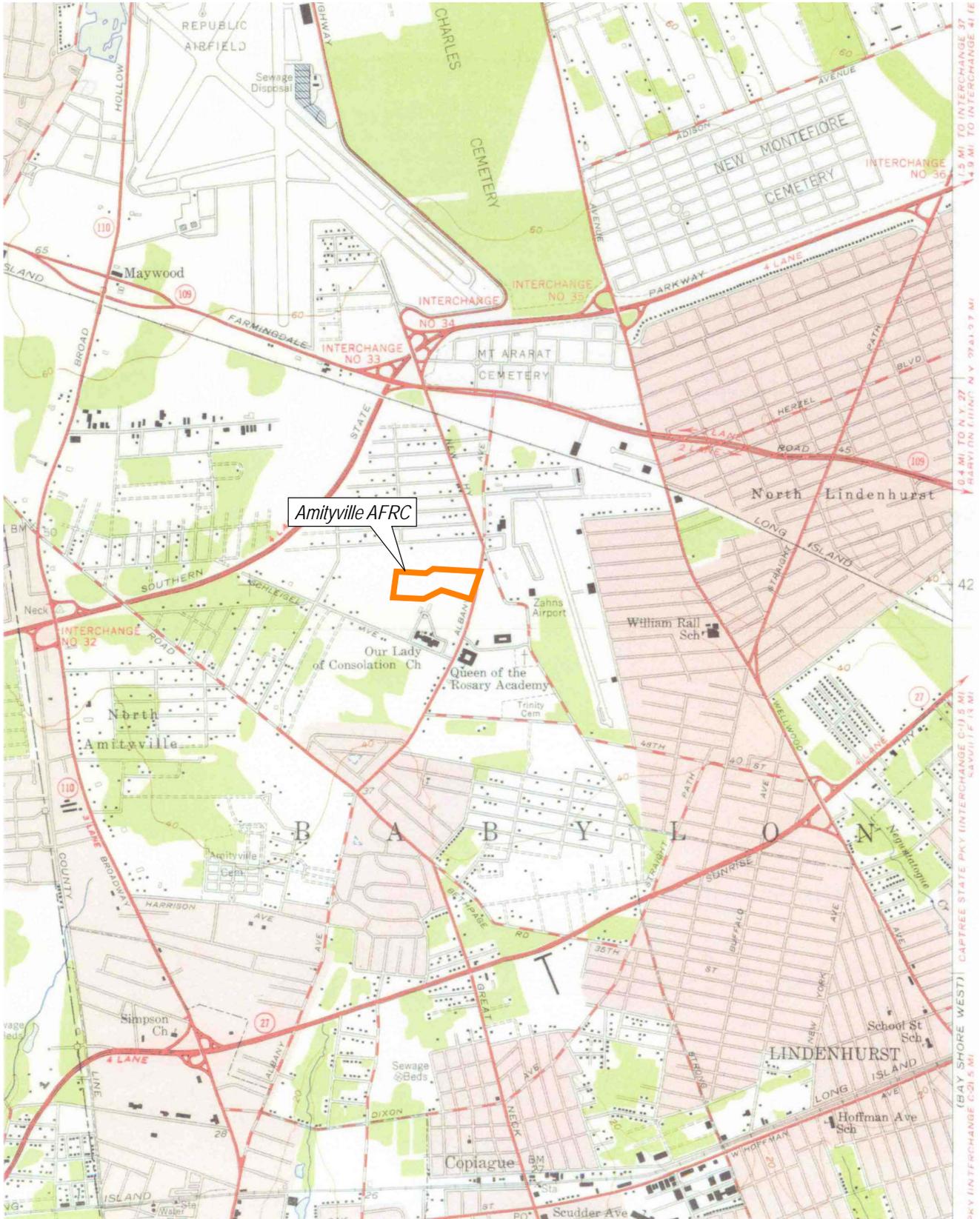
FIGURE 3
1903 USGS 15' Topographic Map, Amityville
Phase I ECP Report



N ^ EDR INQUIRY# 1714247.16 TARGET QUAD: AMITYVILLE YEAR: 1947 Series: 7.5' Scale: 1:25,000



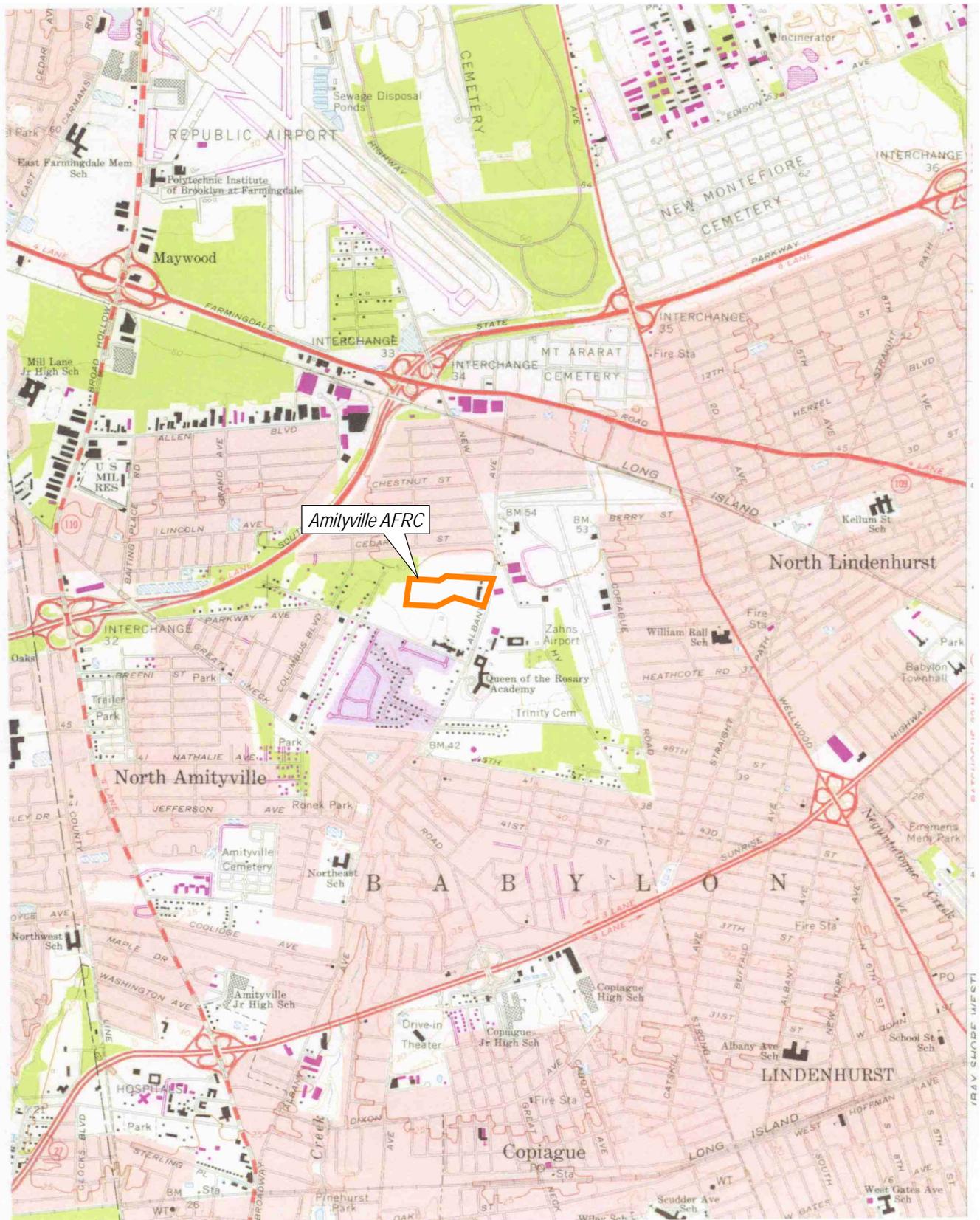
FIGURE 4
 1947 USGS 7.5 Minute Topographic Map, Amityville
 Phase I ECP Report



N ^ EDR INQUIRY# 1714247.16 TARGET QUAD: AMITYVILLE YEAR: 1954 Series: 7.5' Scale: 1:24,000



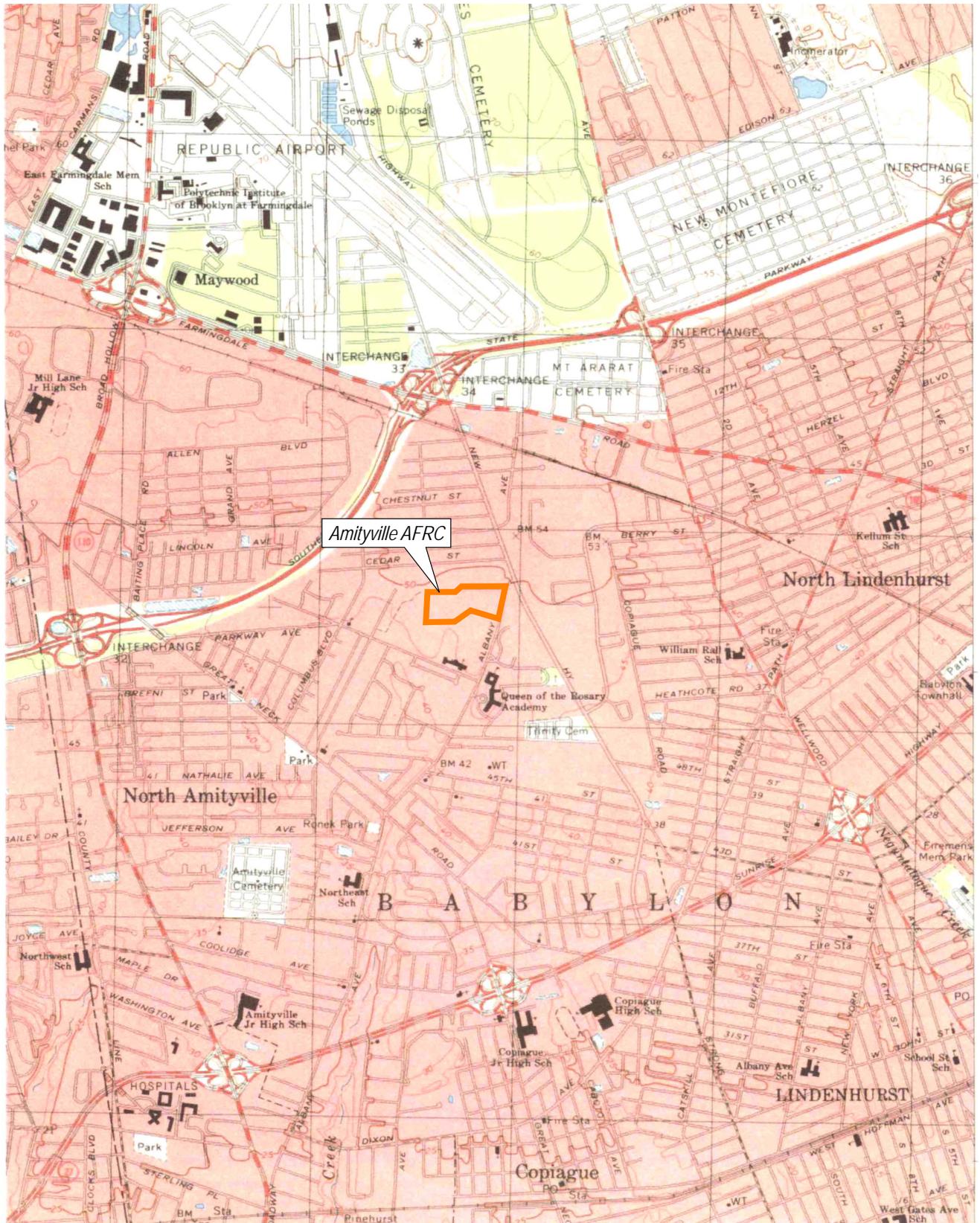
FIGURE 5
1954 USGS 7.5 Minute Topographic Map, Danbury
Phase I ECP Report



N ^ EDR INQUIRY# 1714247.16 TARGET QUAD: AMITYVILLE PhotoRevised: 1969-1979 Series: 7.5' Scale: 1:24,000



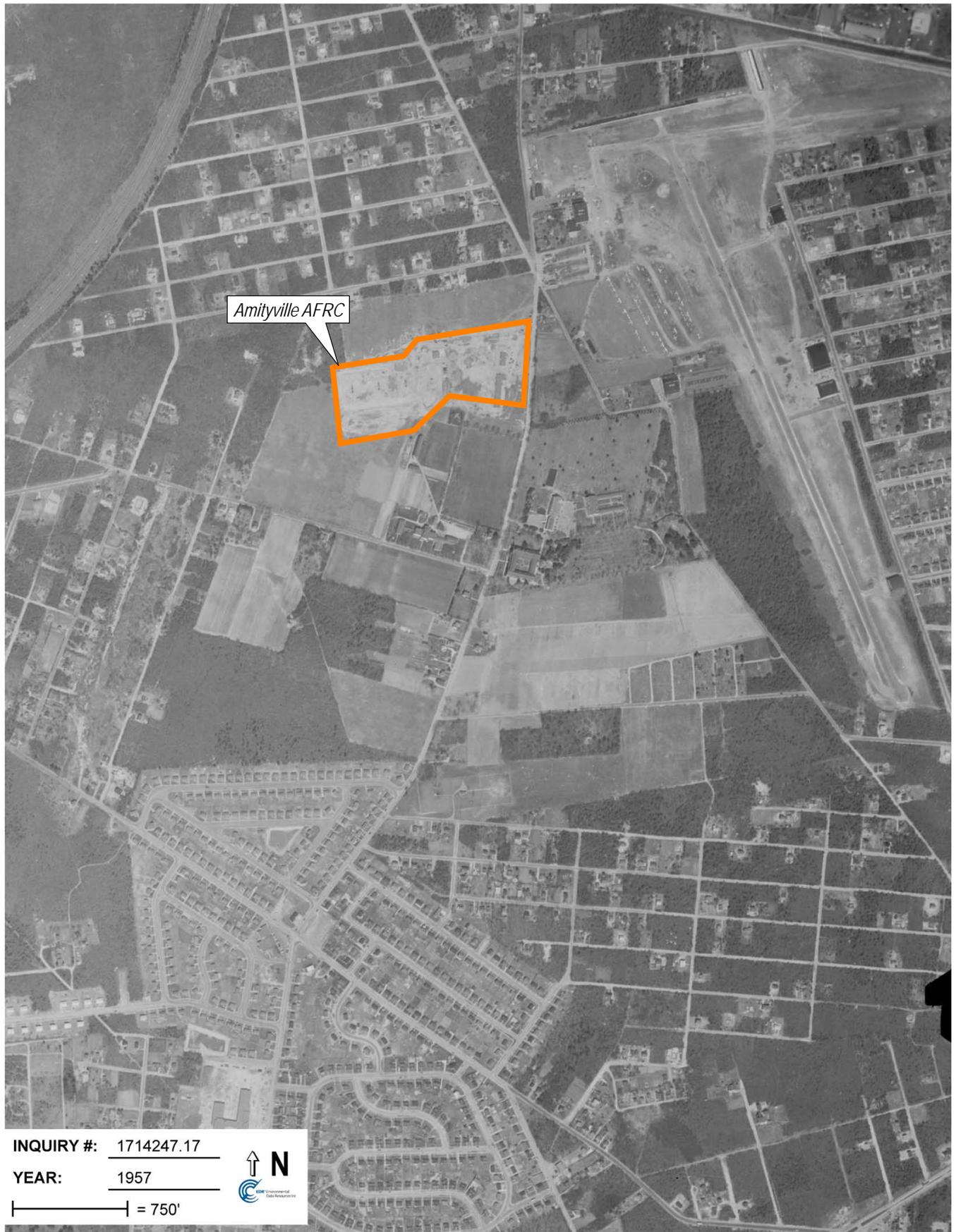
FIGURE 6
 1969 Photorevised 1979 USGS 7.5 Minute Topographic Map
 Amityville, New York
Phase I ECP Report



N ^ EDR INQUIRY# 1714247.16 TARGET QUAD: AMITYVILLE YEAR: 1994 Series: 7.5' Scale: 1:24,000



FIGURE 7
 1994 USGS 7.5 Minute Topographic Map
 Amityville, New York
Phase I ECP Report



North
Not To Scale

FIGURE 8
1957 Aerial Photo, Danbury
Phase I ECP Report



FIGURE 9
1966 Aerial Photo
Phase I ECP Report



Amityville AFRC

INQUIRY #: 1714247.17

YEAR: 1976

— = 750'



FIGURE 10
1976 Aerial Photo
Phase I ECP Report



INQUIRY #: 1714247.17
YEAR: 1980

↑ N
Environmental Data Resources Inc.

| = 833'



FIGURE 11
1980 Aerial Photo
Phase I ECP Report



Amityville AFRC

INQUIRY #: 1714247.17

YEAR: 1994

1" = 833'



FIGURE 12
1994 Aerial Photo
Phase I ECP Report



Appendix B
Site Reconnaissance
Photographs

APPENDIX B

Site Reconnaissance Photographs



1. Front of Building 100.



2. Building 101, north side or rear of building.



3. Building 106.



4. Building 105.



5. Evidence of some staining outside Building 101 from previous storage.



6. Storm drain cut in asphalt that goes to the OWS/wash rack.



7. Equipment parked on top of concrete pad to old missile silo.



8. View of old missile silo cover and 4 HAZMAT Sheds



9. View of entire former missile silo area.

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



2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281
Phone: (480) 967-6752
Fax Number: (480) 966-9422
Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

**AMITYVILLE AFRC
600 ABLANY AVE
AMITYVILLE, NEW YORK**

Submitted to:

**ENVIRONMENTAL DATA RESOURCES, INC.
C/O
CH2M HILL
1569 Stampmill Way
Lawrenceville, Georgia 30043
(770) 338-1589**

Attention: Mary Jacques

Project No. N06-5220

Friday, August 25, 2006

NETR- Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

All those certain pieces or parcels of land being District 100, Section 123, Block 2, Lot 20, lying and situate in the City of Amityville, County of Suffolk and the State of New York.

1. HISTORICAL CHAIN OF TITLE

1. Roman Catholic Church of the Most Holy Trinity in the City of Brooklyn acquired title to the property prior to 1940.

2. DEED:

RECORDED: 01-11-1957
GRANTOR: Roman Catholic Church of the Most Holy Trinity in the
City of Brooklyn
GRANTEE: Our Lady of Consolation Home for the Aged, Inc.
INSTRUMENT: Bk 4242, Pg 13

3. DEED:

RECORDED: 02-11-1957
GRANTOR: Our Lady of Consolation Home for the Aged, Inc.
GRANTEE: Nuns of the Order of St. Dominick
INSTRUMENT: Bk 4258, Pg 132

4. DEED:

RECORDED: 04-15-1957
GRANTOR: Nuns of the Order of St. Dominick
GRANTEE: United States of America
INSTRUMENT: Bk 4287, Pg 12

5. DEED:

RECORDED: 04-15-1957
GRANTOR: Our Lady of Consolation Home for the Aged, Inc.
GRANTEE: United States of America
INSTRUMENT: Bk 4287, Pg 18

2. LEASES AND MISCELLANEOUS

1. No leases or environmental liens were found of record.

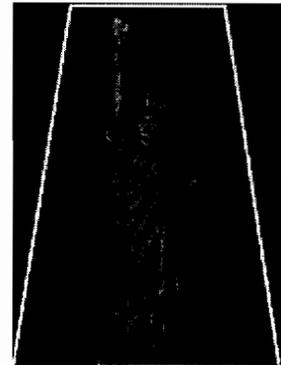
3. LIMITATION

This report was prepared for the use of Environmental Data Resources, Inc., and CH2M Hill, exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

Appendix D
**Previous Environmental
Site Assessment Reports**

DRAFT
ENVIRONMENTAL ASSESSMENT

**PROPOSED NEW WAREHOUSE CONSTRUCTION
AT THE AMITYVILLE ARMED FORCES RESERVE CENTER
600 ALBANY AVENUE
AMITYVILLE, NEW YORK**



Prepared for:

**United States Marine Corps
4th Force Service Support Group
Company A, 6th Communications Battalion
Amityville, New York**

Prepared by:

**J.M. Waller Associates
for
HQ, 77th Regional Support Command
United States Army Reserve
Deputy Chief of Staff, Engineers
Environmental Division
Ft. Totten, NY**

February 2000

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APPENDICES

Appendix A	Maps and Site Diagram
Appendix B	Traffic Study Data
Appendix C	New York State Department of Environmental Conservation – State Environmental Quality Review (SEQR) Short Environmental Assessment Form
Appendix D	New York State Department of Environmental Conservation, Region 1 Air Quality Data (1997)
Appendix E	US Census of Population and Housing for Suffolk County and the Town of Babylon
Appendix F	Federal and State Threatened and Endangered Species Lists
Appendix G	General Correspondences
Appendix H	References
Appendix I	Site Photographs
Appendix J	Record of Non-Applicability (RONA)
Appendix K	DRAFT Finding of No Significant Impact (FNSI)

**ENVIRONMENTAL ASSESSMENT
UNITED STATES MARINE CORPS
PROPOSED NEW WAREHOUSE CONSTRUCTION
AT AMITYVILLE ARMED FORCES RESERVE CENTER
600 ALBANY AVENUE
AMITYVILLE, NEW YORK**

I. EXECUTIVE SUMMARY

A. Proponents of the Proposed Action

- 4th Force Service Support Group, Company A, 6th Communications Battalion, United States Marine Corps
- 77th RSC, Deputy Chief of Staff, Engineers, United States Army Reserve

B. Purpose and Intent

The purpose is to create additional, protected, humidity controlled storage space for the United States Marine Corps (USMC) at the Amityville Armed Forces Reserve Center (AFRC) by constructing a new storage shed. This storage space is required for equipment that is sensitive to the weather (i.e. tents and communication apparatus). The additional storage space created by this storage shed will increase the lifespan of such equipment and reduce the future investment costs of replacing the equipment after it has been damaged.

C. Proposed Action

The proposed action is to construct a pre-engineered storage shed approximately 42 feet by 100 feet with a rigid frame design and footings on 25-foot centers and with a metal skin. The building will be used as a general dry storage building for the USMC located at the Amityville AFRC, a tenant activity at this AFRC to the U.S. Army Reserve (USAR) 77th Regional Support Command (RSC).

D. Need for Project

The storage shed is needed to protect and increase the longevity of equipment that is sensitive to the weather. Currently the equipment that requires indoor storage is being kept in a non-permanent canvas tent at the AFRC. This storage space is only meant to be temporary and is not satisfactory for permanent storage space.

E. Socioeconomic and Environmental Effects

Upon assessing the potential socioeconomic and environmental effects that may occur by implementing the proposed action, it has been determined that there will be little to no negative effects on the socioeconomic structure or environment. The benefits of the implementation of the proposed action would include increased storage space, therefore

increasing the usefulness of the AFRC, while reducing the amount of equipment that is stored outside. In addition this action proposes to decrease the amount of equipment exposed to elements which will increase the lifespan of this equipment, and lead to an overall increase in the readiness of the USMC at the Amityville AFRC.

The Proposed Action Alternative and the No Action Alternative were evaluated against the following impact areas:

- Physical Environment
 - i.* Climate
 - ii.* Geology, Topography and Soil
 - iii.* Surface and Ground Water
 - iv.* Floodplain
 - v.* Traffic and Transportation
 - vi.* Air Quality
 - vii.* Noise (during and after construction)
 - ix.* Hazardous Materials (stored and used during and after construction)
 - x.* Ordnance (Nike Missile Site)
- Natural Environment
 - i.* Vegetation
 - ii.* Fish and Wildlife
 - iii.* Threatened and Endangered Species
 - iv.* Wetlands (within and adjacent to property)
- Socioeconomic Characteristics
 - i.* Population and Demographics
 - ii.* Environmental Justice
 - iii.* Cultural Resources

The Proposed Action Alternative was found to have a low potential for significant adverse effects on the social, economic or environmental aspects on the proposed action site or to the surrounding areas. Beneficial effects on the implementation of the Proposed Action Alternative are limited to those that are directly involved in military training and exercises. These include an improvement in USMC readiness and training.

1.0 Site Description and Background

1.1 Site Description

The Amityville Armed Forces Reserve Center (AFRC) is located in the Town of Babylon in Suffolk County, New York (40.7085 deg. Latitude; 73.403 deg. Longitude), and occupies roughly thirteen acres. The site is currently occupied by the US Army Reserve (USAR), US Marine Corps (USMC), and the US Naval Reserve (USNR), and is used for training, administrative, and maintenance activities (see Figure 1)

The proposed warehouse will be used for equipment dry storage by Alpha Company, 6th Communications Battalion, USMC stationed at the Amityville AFRC. The mission of Alpha Company is to install, operate, and maintain communication systems for a Marine Expeditionary Force Forward [MEF FWD] or, with augmentation, a MEF Command Element. The Company is unique from active duty Line Companies in that Battalion level assets reinforce the Company which allow organic Administrative, Motor Transport, Embarkation/Supply and Communication Electronics Maintenance sections. These assets consolidate with the Battalion upon mobilization and/or Battalion Deployments. At the present time, the unit stores their equipment necessary for the completion of their mission in temporary storage. In order to successfully train and perform their mission, Alpha Company, 6th COM Battalion, USMA requires the construction of a permanent storage warehouse for dry storage and protection of their equipment ([Marine Forces Reserve Web Site – Amityville Web Site](http://www.mfr.usmc.mil), United States Marine Corps, <http://www.mfr.usmc.mil>).

1.2 Historical Background

Between 1956 and 1974, the site, then called the Amityville Nike Missile Battery was a Nike Missile launch area. When active, the Amityville Launch Area was armed with Ajax and, later, retrofitted for firing the Hercules Missiles. This site had three firing magazines, which were controlled by the Battery Control Area in East Farmingdale, NY.

Structures associated with Cold War activity, such as the berms, barracks and mess hall have been removed. The buildings that are still present on the site include the generator building, Missile Test and Assembly building, and the Missile Silos. A Motor Pool area has been built on the site of the protective berms. The decommissioned silos have been capped with concrete, but are filled with water. According to real estate property forms prepared in October 1998, the Amityville AFRC contains fourteen buildings constructed between 1955 and 1959, including the three abandoned underground Nike Missile silos. To date, there has been no Cold War Survey of the Amityville facility.

In November 1998, the 77th RSC contracted an architectural historian to conduct archival research on the historic significance on the structures at the Amityville AFRC. The search was conducted at the offices of the Division of Historic Preservation, New York

State (NYS) Office of Parks and Recreation in Peebles Island, New York to determine if any buildings were eligible for, or listed in the National Register of Historic Places or the NYS Register of Historic Places. The results of the study at the Historic Preservation office showed that either there has been no surveys undertaken at the Amityville AFRC or there are no properties that are eligible for listing on the National register on-site, or in the immediate vicinity.

2.0 DESCRIPTION OF PROPOSED ACTION AND ALTERNATIVES

2.1 Description of Proposed Action

The proposed action is for the United States Marine Corps (USMC) to construct a new storage building, access driveway and associated utilities on property currently owned and operated by the 77th RSC, US Army Reserve (USAR). This action is proposed to be built at the Amityville AFRC located in the Town of Babylon in Suffolk County, New York (Lat: 40° 42' 25" N; Long: 73° 24' 12" W) (see Figure 1).

The proposed new structure will be a pre-engineered rigid-frame warehouse with a metal skin, and will be 42 feet by 100 feet. In addition, there will be a 12-foot wide asphalt driveway to provide truck access to the warehouse. The utilities that will also be constructed include an electrical system, telephone lines, and storm water drainage (for the exterior of the warehouse). The details on the proposed construction are included in the enclosed design diagrams in Appendix B.

The proposed structure will be used as dry storage of equipment belonging to Alpha Company, 6th COM Battalion. This structure will not be used to house any hazardous materials, including petroleum, oils or lubricants (POL) and flammable materials. The materials that will be stored in the proposed structure (i.e. tents and communication equipment) are currently housed in temporary storage areas at the Amityville AFRC.

2.2 No Action Alternative (Alternative 1)

The no action alternative would result in maintenance of the present condition of the physical and natural environment, as well as socioeconomic characteristics of the facility and surrounding areas.

The implementation of this alternative would assume that the USMC would not construct a building at the AFRC.

This alternative would not meet the requirements of the USMC necessary to effectively implement activities or training initiatives. In addition, without having the ability to properly secure their equipment, the unit's overall readiness will be affected.

2.3 Alternatives Considered and Dismissed

2.3.1 Present Structure Re-Alignment Alternative (Alternative 2)

Alternative 2 would not require the construction of a new storage building, but would require a realignment of the present space utilized by the USMC, US Naval Reserve (USNR) and the USAR. This alternative may also require the movement of units,

personnel, equipment, and supplies. In addition, this would require the reallocation of additional space to the USMC at the Amityville AFRC in order to meet the need for additional storage space.

This alternative would not significantly impact the physical and natural environment and socioeconomic characteristics of the facility. However, if implemented would relocate personnel and associated equipment to an alternative location. This could result in the loss of revenue to the surrounding area caused by the relocation of personnel and could result in environmental and socioeconomic impacts at an alternative location.

The Realignment alternative would not be an effective solution because at the present time a reallocation of additional space to the USMC would require that the USNR and the USAR lose space that they are currently used effectively. In addition, a reallocation of space would still not satisfy the spatial needs of the USMC, nor would this satisfy the needs of the USNR and USAR for storage, administrative, and activity space. Thus, this alternative can not be implemented.

2.3.2 Relocation of the Proposed Action Alternative (Alternative 3)

This alternative would have the USMC relocate the proposed action to another facility. The implementation of this alternative would require that construct a new storage facility and store necessary equipment elsewhere.

This alternative would not significantly impact the physical and natural environment at the Amityville AFRC, but would impact socioeconomic impacts.

The relocation of the proposed action alternative would require that equipment would be stored at an off-site location as the personnel that utilize that equipment. This would require additional funding for transportation to the alternative facility and cause a loss of revenue for the surrounding area during drill and training exercise. In addition to socioeconomic impacts, the effectiveness and readiness of the USMC at the Amityville AFRC would significantly be inhibited. For this reason, this alternative has been dismissed.

3.0 Affected Environment

3.1 Physical Environment

3.1.1 Climate of Long Island

Suffolk County has a humid, temperate climate that is strongly influenced by Long Island Sound and the Atlantic Ocean. These bodies of water temper extremes of heat in summer and cold in winter ("Long Island's Natural Environment Online."

<http://www.journey.sunysb.edu/longis/LISOIL.html>).

	Average Temperature (F)		Average Precipitation	
	DAY	NIGHT	RAIN	SNOW
January	38	26	3.69"	7.8"
February	40	27	4.25"	9.3"
March	49	34	4.83"	6.7"
April	61	44	4.28"	1/2"
May	72	52	3.83"	-
June	80	63	2.71"	-
July	85	68	3.49"	-
August	84	67	4.54"	-
September	76	60	4.03"	-
October	66	50	3.61"	-
November	54	41	4.63"	3/10"
December	42	30	5.00"	6.7"

(Long Island Convention and Visitor's Center Bureau and Sports Commission
<http://licvb.com/liguide/>.)

3.1.2 Geology, Topography and Soil

Suffolk County's geology is consistent with the geology of the rest of Long Island. The surface is composed primarily of glacial material deposited about 20,000 years ago. This surface layer overlays additional glacial material that may be somewhat older.

Beneath the glacial material are Cretaceous sediments that were deposited in a large river delta about 80 million years ago. It contains fossils of plants, including mineralized wood and leaves.

The Cretaceous sediments overlay bedrock. The continuous layer of bedrock originally formed as mud, lime, and sand beneath a shallow sea about 600 million years ago. Later it became rock and was modified by heat and pressure during episodes of mountain building.

Long Island's geology remains dynamic due to its location along the Eastern Seaboard. Geological phenomena that are currently shaping Long Island include barrier beach formation, coastal erosion and the growth of salt marshes. Although the most dynamic activity is along the coast, the formation of freshwater wetlands is significant inland on the island.

The coastal processes are controlled by sea level, which has been rising at various rates since the glacial ice began its retreat approximately 20,000 years ago. There is evidence of lower water levels occurring along the coastline in the form of tree stumps and freshwater peat that is now below the high water mark along the coast.

The topography of Long Island changes from the south shore to the north shore. The south shore is generally flat and protected by salt marshes and barrier islands. The north shore of Long Island is rocky with sedimentary rocks exposed and folded up, sometimes protruding above the sediments and glacial material. The proposed action alternative site itself is flat. There are approximately 4 – 6 feet of fill above the virgin soil at the location of the building site. The virgin soil is composed of coarse to fine grain sand (Quad Three Group Incorporated, 1998). In addition, the Harbor Hill Terminal Moraine and the Ronkonkoma Terminal Moraine dominate the topography of Suffolk County. These areas were formed through deposition from the Wisconsin Ice Age, and influence the flow of surface runoff toward either the North or South Shore.

The soils of Suffolk County were mostly deposited as a result of glaciation during the Wisconsin age. These materials are (1) glacial outwash consisting of sorted sand and gravel, (2) glacial till, and (3) glacial lake-laid silt and clay, which makes up a very small part of the soils of the county. The soils at the project site consist of 4 – 6 feet of fill material over the natural "virgin" Riverhead classified soils. The test borings identified the soils as consisting of medium dense to dense light brown coarse to fine Sand, trace Silt, and some medium to fine Gravel. The six test borings were terminated in the sand layer at final depths ranging from 5'0" to 20'0" below the existing ground surface ("Long Island's Natural Environment Online." [http://www.journev.sunysb.edu/longis/.](http://www.journev.sunysb.edu/longis/))

3.1.3 Surface and Ground Water

Most of Long Island's groundwater is contained in three major aquifers. The shallowest is the Upper Glacial Aquifer, which consists of glacial till and outwash deposited during the Pleistocene ice advances. The largest of the aquifers, known as the Magothy, lies beneath the Upper Glacial. It is composed of Cretaceous deltaic sediments deposited about 80 million years ago. The Raritan Clay underlies the Magothy and restricts movement of water into the Lloyd Aquifer, which lies in contact with the bedrock. The Raritan Clay is an example of a confining layer.

In addition to these layers, Long Island contains numerous smaller aquifers and confining layers. The Gardiners Clay underlies the southern part of Long Island, where it restricts the movement of groundwater. A confining layer known as the Smithtown Clay occurs in the Towns of Smithtown and Huntington.

The three major aquifers combine for a total of about 60 trillion gallons of groundwater. Precipitation is the only source of fresh water for this aquifer system. In general, the hydrostatic flow is toward the north in the vicinity of the North Shore and toward the south along the South Shore.

Most ponds, streams and wetlands on Long Island are a surface expression of the groundwater, where the surface is low enough in elevation to penetrate the water table. Groundwater exits the aquifer system through evaporation, stream flow and subsurface seepage into the surrounding salt water. ("Long Island's Natural Environment Online." <http://www.journey.sunysb.edu/longis/hydrogeo.html>).

The closest surface water systems to the Amityville AFRC are Amityville Creek, which is about 1.5 miles southwest and Samapogue Creek, which is roughly 3 miles east. These creeks flow south into Great South Bay.

The Magothy Aquifer underlies most of Southwestern Suffolk County, including the Amityville AFRC. The thickness of this aquifer is up to 1000 feet throughout Southwest Suffolk County (Ground Water Atlas of the United States - Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont, HA 730-M, Prepared by: Perry G. Olcott, United States Geological Survey , 1995).

3.1.4 Floodplain

The Amityville AFRC facility is located approximately 2 miles NNW of the closest flood prone area identified by the Federal Emergency Management Administration (FEMA). This flood prone area is associated with a small tributary of the South Oyster Bay and is not a threat to the AFRC. The Amityville AFRC is located on FEMA map number, 36103C0835G, which is not currently in print because there is no flood plain hazard in the general area.

3.1.5 Traffic and Transportation

The Amityville AFRC facility is located about 1/4 mile S of the Southern Pkwy, which extends from the Queens/Nassau border out approximately 30 miles to near midway on Long Island, ending at Heckscher State Park on the South Shore. The closest intersection to the AFRC is the New Highway and Albany Ave. crossing which is approximately 1/8 mile S of the Southern State Parkway. A 1999 traffic count done by the Suffolk County Department of Public Works on the intersection of Albany Ave. and New Highway is included in Appendix E. It is anticipated that the proposed action will not have any effect on the traffic count.

3.1.6 Air Quality

Suffolk County is located in an EPA designated ozone non-attainment zone. The latest published air quality data on the monitored pollutants for the Town of Babylon was from 1997. These monitoring results are included in Appendix F: Air Quality Data, Town of Babylon. The implementation of the proposed action is not anticipated to have an adverse effect on the air quality in the vicinity.

3.1.7 Noise (during and after construction)

To date, there have not been noise complaints at the Amityville AFRC by any of the surrounding neighbors. Noise levels at the Amityville AFRC before and during the construction will be below the levels which are incompatible with residential standards (or other sensitive areas) which would tend to cause annoyance.

3.1.8 Hazardous Materials (stored and used during and after construction)

Hazardous materials at the AFRC consist of used oil, antifreeze, vehicle batteries, and cleaning compounds. The Amityville AFRC is classified by the Suffolk County Department of Health and US EPA as a conditionally exempt small quantity generator. Hazardous materials used and disposed of during the construction process will not change the generator status of the center. Hazardous materials utilized during construction may include paints, cleaning compounds, concrete, and other miscellaneous construction equipment and materials.

3.1.9 Ordnance

Only small arms ordnance are stored at the Amityville AFRC. The ordnance currently stored at the center will not be affected by this project.

3.2 Natural Environment

3.2.1 Vegetation

The native vegetation in most of Suffolk County was originally made up of hardwoods, consisting of oaks, beech, birch, and maple, with some pitch and white pines. Undergrowth was scrub oak, huckleberry, shadbush, alder, blueberry, and fern. Freshwater marsh areas historically consisted mainly of Cattails while the salt marshes consisted of Salt Marsh Cordgrass, Salt Meadow Cordgrass, and Spike Grass. Both fresh and salt marsh areas are now being invaded by the Common Reed, which has become more of a nuisance plant and out-competes the native vegetation. ("Long Island's Natural Environment Online" <http://www.journey.sunysb.edu/longis/flaxpond.html>.) The vegetation at the project site consists of Milkweed, Mugwort and other invasive weed species.

3.2.2 Fish and Wildlife

There are no fish in the vicinity of the project area. Wildlife consists of small rodents, rabbits, and birds.

3.2.3 Threatened and Endangered Species

Upon review of Federal and State Threatened and Endangered Species Lists, it has been concluded that there is no significant potential for affecting threatened or endangered species or habitats within the project vicinity. A list of the Endangered, Threatened and Rare plants and animals occurring in the Suffolk County area is included in Appendix F.

3.2.4 Wetlands (within and adjacent to property)

The National Wetlands Inventory (NWI) prepared by the US Department of the Interior (DOI) has identified two wetlands both within 1000 feet to the North and South of the proposed action site. These wetlands are classified as palustrine, flat, temporary, excavated wetlands that are used as sumps. Both the NYSDEC and the Town of Babylon, Department of Environmental Control do not recognize the classification as wetlands areas. The NWI – Amityville Quadrangle, which includes the proposed alternative site, is located in Appendix A.

3.3 Socioeconomic Characteristics

3.3.1 Population and Demographics

The Amityville AFRC is located in the Town of Babylon, Suffolk County, NY. Suffolk County and currently has approximately 1.3 million residents in 420,000 households. Of this population, approximately 200,000 people reside in the Town of Babylon in approximately 64,000 households. A summary of the population and demographics of the Town of Babylon is located in Appendix H.

3.3.2 Environmental Justice

Executive Order 12989 required Federal agencies to identify and address disproportionately high adverse human health or environmental effects of its programs, policies, and activities on minority or low-income populations. The Amityville AFRC is located in a Residential B area with the nearest minority or low-income area located within two miles to the east (see “Building Zone Map – Town of Babylon” in Appendix A).

3.3.3 Cultural Resources

Between 1956 and 1974, the site, then called the Amityville Nike Missile Battery was a Nike Missile launch area. When active, the Amityville Launch Area was armed with Ajax and, later, retrofitted for firing the Hercules Missiles. This site had three firing magazines, which were controlled by the Battery Control Area in East Farmingdale, NY.

Structures associated with Cold war activity, such as the berms, barracks and mess hall have been removed. The buildings that are still present on the site include the Generator Building, Missile Test and Assembly Building, and the Missile Silos. A Motor Pool area has been built on the site of the protective berms. The decommissioned silos have been capped with concrete, but are filled with water. According to real estate property forms prepared in October 1998, the Amityville AFRC contains fourteen structures constructed between 1955 and 1959, including the three abandoned underground Nike Missile silos. To date, there has been no Cold War Survey of the Amityville facility.

In November 1998, the 77th RSC contracted an architectural historian to conduct archival research to ascertain the historic significance of the structures at the Amityville AFRC. The search was done at the offices of the Division of Historic Preservation, New York State (NYS) Office of Parks and Recreation in Peebles Island, New York to determine if any buildings were eligible for or listed in the National Register of Historic Places or the NYS Register of Historic Places. The results of this study at the State Historic Preservation Office (SHPO) showed that either there has been no surveys undertaken at the Amityville AFRC or there are no properties that are eligible for listing on the National register on-site or in the immediate vicinity. In addition, a letter dated January 28, 2000 was forwarded to the NYSHPO expressing the purpose and intent of the proposed action (see Appendix G).

4.0 ENVIRONMENTAL CONSEQUENCES

The following section describes the anticipated environmental consequences due to the implementation of two alternatives, as described in Section 2.0. The alternatives that are considered are as follows:

- Proposed Action Alternative
- No Action Alternative (Alternative 1)

Note: Other alternatives have been considered, but have been dismissed. These alternatives are detailed in Section 2.0.

4.1 Physical Environment

4.1.1 Climate

Neither the Proposed Action nor the No Action Alternative would result in any climatic changes either at the facility or in the region.

4.1.2 Geology, Topography and Soils

The No Action Alternative would not result in any changes in the present geology, topography or soil present at the site.

The proposed action calls for the development of a relatively level parcel of land. In addition, there will be footings installed for frame support, fence posts, an underground drainage system for storm water, and a level concrete foundation at the proposed location.

The proposed action site is a relatively flat surface with the ground slightly sloped from northwest to southeast, and is currently unpaved. A subsurface investigation done by Quad Three Group, Inc. dated March 3, 1998 at the proposed action site has shown that it consists entirely of three to four feet of fill soil material over virgin sandy soil to approximately twenty feet deep. The virgin soils are well-drained deep soils that formed in glacial outwash deposits, derived primarily from granitic materials. The site is also not within the 100-year flood plain.

The proposed action would alter the drainage patterns of storm water flows at the construction site. In order to augment this effect, a storm water drainage system will be installed that would drain storm water away from the building and surrounding area via gutters and yard drains. In addition, there will be a 21-foot by 8-inch trench drain that would be installed between the existing paved area adjacent to the proposed action site and the concrete pad to be constructed. This system will serve to collect storm water runoff from the adjacent area that would normally drain onto the site in question. Therefore, potential impacts associated with storm water drainage to the surrounding areas will be mitigated using measures described above.

The proposed project design also calls for the addition of four inches of topsoil and mulch to be added to any areas on the site that have been degraded due to construction, and those areas will be seeded with grass seed. Once established, these re-vegetated areas will aid in the prevention of loss of material due to erosion and overall degradation of the areas surrounding the proposed action site. Any fill material transported to the proposed action site will be "certified clean" materials and will have supporting analytical data.

For this reason, there is little potential for any significant changes to the geology, topography or soils as a result of the implementation of the proposed action.

4.1.3 Surface and Ground Water

There are no surface waters associated with this site. In addition, the site is not seasonally inundated with surface water.

The No Action alternative would have no effect on the on the present quality or hydrostatic flows of the groundwater at the proposed site.

In the Project Manual for the proposed construction prepared by Quad Three Group Incorporated, a subsurface investigation showed that the groundwater depth ranged between 15 and 16.6 feet below grade.

The implementation of the Proposed Action Alternative would call for installation of sub-grade utilities and foundation support (i.e. footings, reinforcement, etc.). These materials are not expected to reach the ground water layer (15-16 feet deep). Therefore, there is little potential for significant impacts to the groundwater due to the implementation of the Proposed Action will.

4.1.4 Floodplain

The Amityville AFRC is not located within the 100-year floodplain. For this reason, neither the No Action Alternative nor the Proposed Action will have any impact on the floodplain, and high water events will not jeopardize the proposed action. The nearest floodplain is located about 2 miles Southeast of the Amityville AFRC.

4.1.5 Traffic and Transportation

Implementation of the No Action Alternative will assume that there will be no impacts to traffic or transportation.

It is anticipated that through the implementation of the proposed action alternative, there will not be permanent impacts to traffic at both the Amityville AFRC and in the surrounding areas. It is anticipated that there will be an increase of no more than 5 vehicles per day in the immediate area of the Amityville AFRC during the implementation of the proposed action (see Appendix B).

4.1.6 Air Quality

The Amityville AFRC is located in a severe non-attainment for ozone, therefore activities related to the emission of ozone or other smog pollutants would be of concern. This environmental assessment will also identify air quality impacts due to the installation of a heating or HVAC system. NYSDEC Region 1 Air Quality Data is included in Appendix D.

Under the No Action Alternative, it is assumed that there will be change in the air quality either locally or regionally. In addition, there would be no change to vehicular activity in or around the Amityville AFRC.

Any potential changes in the air quality due to the implementation of the proposed action alternative will be temporary. This impact would be caused by a slight increase in vehicular traffic from construction vehicles and machinery required for the construction of the proposed warehouse, and dust generated during construction. The monitored air quality pollutants in the town of Babylon are currently within NYSDEC and National Ambient Air Quality Standards (Appendix D). The implementation of the proposed action is not anticipated to have any significant effects on air quality after the construction is completed. In addition, it is not anticipated that dust generated during construction will have a significant impact on the air quality at the proposed site or the general vicinity (please see Appendix K: Record of Non-Applicability (RONA)).

The proposed action is action calls for the installation of a heat pump used to heat a small office space in the warehouse. This system will be electrically powered, therefore will not increase air emissions generated at the Proposed Action Site resulting from burning fuel oil and/or natural gas.

4.1.7 Noise

It has been determined through the US Army Environmental Noise Management Program (ENMP) that 77th Regional Support Command controlled facilities do not have generate a significant amount of noise. The Amityville AFRC is located in a "Residential B" area, therefore noise levels would be compared to that of residential area.

The implementation of the No Action Alternative will assume that there will be no substantial changes to the overall ambient noise levels. Primary noise sources will still be due to vehicular traffic resulting from military activities.

The increase in noise due to the Proposed Action will be minimal, and it is anticipated that the overall ambient noise levels will not increase beyond that which it has been zoned. During the construction, noise impacts will be attributed to machinery use and vehicular activity.

4.1.8 Hazardous Materials

This section will describe the hazardous materials that would be used during construction and that will be stored on site due to the implementation of the proposed activity.

The implementation of the No Action Alternative assumes that there will be no change in the hazardous materials stored or used at the Amityville AFRC.

By implementing the Proposed Action Alternative, there will be no change in the quantity of hazardous materials stored either in the proposed warehouse or at the Amityville AFRC. In addition, any hazardous materials used during the construction of the proposed warehouse will be accompanied by material safety data sheets (MSDS) and all necessary measures regarding spill control and proper storage will be adhered to.

4.1.9 Ordnance

The Amityville AFRC has been used as a Nike Missile site during the Cold War Era. This has since been decommissioned and all associated machinery has been removed. The USMC stores small firearms at the Amityville AFRC required for the successful fulfillment of their mission. These small firearms will not be stored at the proposed warehouse.

For this reason, there would not be an increase in or impact on ordnance as a result of the implementation of either the No Action Alternative or the Proposed Action Alternative.

4.2 Natural Environment

4.2.1 Vegetation

Presently, the tract of land that is in question is unpaved. The sparsely vegetated area primarily consists of Milkweed, Mugwort and other invasive weed species. Under the No Action Alternative, these conditions will continue to remain undisturbed. Thus, there will be no change to the present vegetation.

The Proposed Action Alternative will clear roughly 4200 square feet of this a sparsely vegetated area in order to pour the concrete foundation for the proposed warehouse, and an additional 800 square feet for a paved driveway. In addition, this alternative calls for the placement of a four-inch thick layer of topsoil, mulch and seeding of the surrounding areas within the Amityville AFRC that have been disturbed due to the construction. Although this action alternative represents a change in the vegetated area, given the species present, site conditions, and the addition of other grasses, the Proposed Action Alternative would not significantly impact local or regional species diversity nor the vegetative population of the Amityville AFRC.

4.2.2 Fish and Wildlife

By implementing the No Action Alternative, wildlife on the site in question would not be changed in any way from its present status.

As previously mentioned, the Proposed Action Alternative will require that about 5000 square feet of previously unpaved area be covered by the warehouse and associated paved areas. This would decrease the area at the Amityville AFRC that is unpaved. Presently, this area would not be considered a sound ecological habitat for wildlife because it is used for military training and is often disturbed with human activity. In addition, the wildlife population and diversity of the area is limited and the site does not provide an adequate habitat for fauna.

4.2.3 Threatened and Endangered Species

Base on consultation with the US Fish and Wildlife Service and a review of available data, there are no threatened or endangered species or habitats in the vicinity of the Proposed Action site. A listing of Threatened, Endangered and Rare Species in Suffolk County is included in Appendix F.

4.2.4 Wetlands

As previously mentioned, a review of the National Wetland Inventory showed that there were excavated sumps (classified as PFLAx) within 800 feet of the site of the Proposed Action Alternative. Further review of the Town of Babylon and upon consultation with the Town of Babylon Department of Environmental Control, there are no sensitive wetland areas within one mile of the site of the Proposed Action. A copy of the NYSDEC Freshwater Wetlands and National Wetland Inventory (NWI) maps are included in Appendix A.

4.3 Socioeconomic Characteristics

4.3.1 Population and Demographics

This sections identifies and consequences that would occur to the populations and demographics of the site in question and the surrounding area. The No Action Alternative would demonstrate no changes in the population and demographics both locally or regionally.

The Proposed Action Alternative will not have USMC personnel transferred to or from the Amityville AFRC. The population and demographics of the site and surrounding areas would not be significantly impacted due to the implementation of this alternative. Any changes that the proposed action will have on population and demographics will be temporary.

4.3.2 Environmental Justice

Executive Order 12989 requires Federal agencies to identify and address disproportionately high adverse human health or environmental effects of its programs, policies, and activities on minority or low-income populations.

The implementation of the No Action Alternative would not change any present effects on low-income or minority populations. Given the small amount full-time personnel and the nature of military training and exercises at the Amityville AFRC, there is little potential human health or environmental effects on minority or low-income populations. The Proposed Action Alternative would not bring changes to personnel and would not significantly change the purpose and/or mission of the units stationed at the Amityville AFRC. For this reason, there is little potential of the Proposed Action having an effect on minority or low-income populations locally or regionally.

4.3.3 Cultural Resources

The Amityville AFRC is a former Nike Missile Battery constructed during the Cold War Era. The 77th RSC, USAR has identified the site as having potential cultural and historical Cold War significance. The Proposed Action Alternative site, although on the property of the Amityville AFRC, will not affect the remaining structures that are considered to be of potential historic significance. Thus, neither the No Action Alternative nor the Proposed Action would have adverse effects on the cultural or historical resources at the Amityville AFRC.

4.4 Cumulative Impacts

This section refers to any effects that could possible occur due to future actions within the proposed area, and could compound any adverse impacts that have been previously identified.

The No Action Alternative assume that there would be no future cumulative or compounded impacts to human health or the environment due to the implementation of this alternative.

The implementation of the Proposed Action will bring increased vehicular activity to the project area during construction. The potential impacts from increased vehicular traffic could be attribute to a slight increase in vehicle emissions and the potential for petroleum or coolant releases from vehicles. In the event that a release of such products occurs, standard operating procedures established for spill control, cleanup and reporting will be implemented. In addition, all necessary measures will be taken to minimize soil erosion and runoff during construction, and all required mitigation procedures will be implemented to rectify any minimal environmental impacts caused by this action.

5.0 REGULATORY REVIEW AND PERMIT REQUIREMENTS

The proposed project was evaluated for compliance with Federal and State regulations and permit requirements. A list of the regulations is included in Table 1. Based on this review, and communication with the Federal, state, and local agencies in Section 6, it has been determined that the project, as proposed, will be in compliance with all applicable laws, executive orders, and miscellaneous policies, and that no permits will be required.

Table 1. Federal Environmental Protection Laws, Orders, Policies.

5.1 PUBLIC LAWS

- (a) American Folklife Preservation Act, P.L. 94-201; 20 U.S.C. 2101, *et seq.*
- (b) Anadromous Fish Conservation Act, P.L. 89-304; 16 U.S.C. 757, *et seq.*
- (c) Antiquities Act of 1906, P.L. 59-209; 16 U.S.C. 431, *et seq.*
- (d) Archaeological and Historic Preservation Act, P.L. 93-291; 16 U.S.C. 469, *et seq.* (Also known as the Reservoir Salvage Act of 1960, as amended; P.L. 93-291, as amended; the Moss-Bennett Act; and the Preservation of Historic and Archaeological Data Act of 1974.)
- (e) Bald Eagle Act; 16 U.S.C. 668.
- (f) Clean Air Act, as amended; P.L. 91-604; 42 U.S.C. 1857h-7, *et seq.*
- (g) Clean Water Act, P.L. 92-500; 33 U.S.C. 1251, *et seq.* (Also known as the Federal Water Pollution Control Act; and P.L. 92-500, as amended.)
- (h) Coastal Zone Management Act of 1972, as amended, P.L. 92-583; 16 U.S.C. 1451, *et seq.*
- (I) Endangered Species Act of 1973, as amended, P.L. 93-205; 16 U.S.C. 1531, *et seq.*
- (j) Estuary Protection Act, P.L. 90-454; 16 U.S.C. 1221, *et seq.*
- (k) Federal Environmental Pesticide Control Act, P.L. 92-516; 7 U.S.C. 136.
- (l) Federal Water Project Recreation Act, as amended, P.L. 89-72; 16 U.S.C. 460-1(12), *et seq.*
- (m) Fish and Wildlife Coordination Act of 1958, as amended, P.L. 85-624; 16 U.S.C. 661, *et seq.* (Also known as the Coordination Act.)
- (n) Historic Sites of 1935, as amended, P.L. 74-292; 16 U.S.C. 461, *et seq.*

- (o) Land and Water Conservation Fund Act, P.L. 88-578; 16 U.S.C. 460/-460/-11, *et seq.*
- (p) Marine Mammal Protection Act of 1972, P.L. 92-522; 16 U.S.C. 1361, *et seq.*
- (q) Marine Protection, Research and Sanctuaries Act of 1972, P.L. 92-532; 33 U.S.C. 1401, *et seq.*
- (r) Migratory Bird Conservation Act of 1928; 16 U.S.C. 715.
- (s) Migratory Bird Treaty Act of 1918; 16 U.S.C. 703, *et seq.*
- (s) National Environmental Policy Act of 1969, as amended, P.L. 91-190; 42 U.S.C. 4321, *et seq.* (Also known as NEPA.)
- (t) National Historic Preservation Act of 1966, as amended, P.L. 89-655; 16 U.S.C. 470a, *et seq.*
- (u) Native American Religious Freedom Act, P.L. 95-341; 42 U.S.C. 1996, *et seq.*
- (v) Resource Conservation and Recovery Act of 1976, P.L. 94-580; 7 U.S.C. 1010, *et seq.*
- (w) River and Harbor Act of 1899, 33 U.S.C. 403, *et seq.* (Also known as the Refuse Act of 1899.)
- (x) Submerged Lands Act of 1953, P.L. 82-3167; 43 U.S.C. 1301, *et seq.*
- (y) Surface Mining and Reclamation Act of 1977, P.L. 95-89; 30 U.S.C. 1201, *et seq.*
- (z) Toxic Substances Control Act, P.L. 94-469; 15 U.S.C. 2601, *et seq.*
- (aa) Watershed Protection and Flood Prevention Act, as amended, P.L. 83-566; 16 U.S.C. 1001, *et seq.*
- (bb) Wild and Scenic Rivers Act, as amended, P.L. 90-542; 16 U.S.C. 1271, *et seq.*

5.2 EXECUTIVE ORDERS

- (a) Executive Order 11593, Protection and Enhancement of the Cultural Environment. May 13, 1979 (36 FR 8921; May 15, 1971).
- (b) Executive Order 11988, Floodplain Management. May 24, 1977 (42 FR 26951; May 25, 1977).

(c) Executive Order 11990, Protection of Wetlands. May 24, 1977 (42 FR 26961; May 25, 1977).

(d) Executive Order 11514, Protection and Enhancement of Environmental Quality, March 5, 1970, as amended by Executive Order 11991, May 24, 1977.

(e) Executive Order 12088, Federal Compliance with Pollution Control Standards, October 13, 1978.

(f) Executive Order 12372, Intergovernmental Review of Federal Programs, July 14, 1982.

(g) Executive Order 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements, August 3, 1993.

(h) Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, February 11, 1994, as amended by Executive Order 12948, January 30, 1995.

5.3 OTHER FEDERAL POLICIES

(a) Council on Environmental Quality Memorandum of August 11, 1980: Analysis of Impacts on Prime or Unique Agricultural Lands in Implementing the National Environmental Policy Act.

(b) Council on Environmental Quality Memorandum of August 10, 1980: Interagency Consultation to Avoid or Mitigate Adverse Effects on Rivers in the National Inventory.

(c) Migratory Bird Treaties and other international agreements listed in the Endangered Species Act of 1973, as amended, Section 2(a)(4).

5.4 STATE REGULATIONS (Refer to Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR))

(a) Chapter I, 6 NYCRR Part 182, Fish and Wildlife, Endangered and Threatened Species of Fish and Wildlife; Species of Special Concern.

(b) Chapter II, 6 NYCRR Part 193.3. Lands and Forests, Protected Native Plants.

(c) Chapter III, 6 NYCRR Part 201. Prevention and Control of Air Contamination and Air Pollution, Permits and Registration for Air Pollution Sources.

(d) Chapter III, Subchapter A, 6 NYCRR Part 203. Prevention and Control of Air Contamination and Air Pollution, Indirect Sources of Air Contamination.

(e) Chapter VI, 6 NYCRR Part 617. State Environmental Quality Review Act.

(f) Chapter X, Subchapter A, Article 1, 6 NYCRR Part 663. Freshwater Wetlands Permit Requirements.

(g) Chapter X, Subchapter A, Article 3. State Pollution Discharge Elimination System.

6.0 Persons and Agencies Consulted

Town of Babylon
Department of Environmental Control
281 Phelts Lane
North Babylon, NY 11703
(ATTN: Mr. Brian Zitani)
(516) 957-3000

Department of the Navy
10 Industrial Highway
Mailstop # 82
Lester, PA 19113
ATTN: Kurt Frederick

NYS Department of Environmental Conservation
Division of Environmental Permit
Bldg 40 State University of New York at Stony Brook
Stony Brook, NY 11790-2396
(ATTN: John Weiland)
516 444-0365

U.S. Fish & Wildlife Service
P.O Box 608
Islip, NY 11751-0608
(ATTN: Steve Mars)
516-581-2941

Suffolk County Department of Health
Office of Pollution Control
15 Horseblock Place
Farmingville, NY 11738
(ATTN: Alex Santino)

Suffolk County Planning Division
H. Lee Dennison Building, Fourth Floor
100 Veterans Memorial Highway
Hauppauge, NY 11788
(ATTN: Jim Bagg, Chief Environmental Analyst)

New York State Office of Parks,
Recreation and Historic Preservation
PO Box 189
Waterford, New York 12188
(ATTN: Robert Kuhn)

7.0 Conclusion

The proposed action and proposed alternatives have been carefully evaluated in conformance with applicable Federal State and Local regulations and against spatial requirements as defined in the body of this EA. It has been determined that the proposed action, to construct a 4200 square foot warehouse, at the Amityville AFRC, on 600 Albany Avenue, Amityville, New York, does not pose the threat of producing significant temporary or cumulative environmental impacts. Based on the extensive review of appropriate and relevant documents and consultation with related persons and agencies exercised in this evaluation, a *Draft* Finding of No Significant Impact (FONSI) has been prepared and is included as Appendix I. The *Draft* FONSI is unsigned, and will not be signed until the established 30 day comment period has expired, and comments have been appropriately addressed. Considering the nature of the proposed action, and the lack of potentially significant environmental impacts that could be generated in conjunction with the execution of the proposed action, the preparation of an Environmental Impact Statement is not warranted.

8.0 List of Preparers

Ravi I. Ajodah, Environmental Specialist

J.M. Waller Associates

HQ, 77th Regional Support Command, US Army Reserve

ATTN: AFRC-CNY-EN (AJODAH), Bldg, 200

Ft. Totten, NY 11364-1016

Richard J. Buckey, Environmental Project Manager

J.M. Waller Associates

HQ, 77th Regional Support Command, US Army Reserve

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Ft. Totten, NY 11364-1016

Richard C. Ramsdell, Environmental Specialist

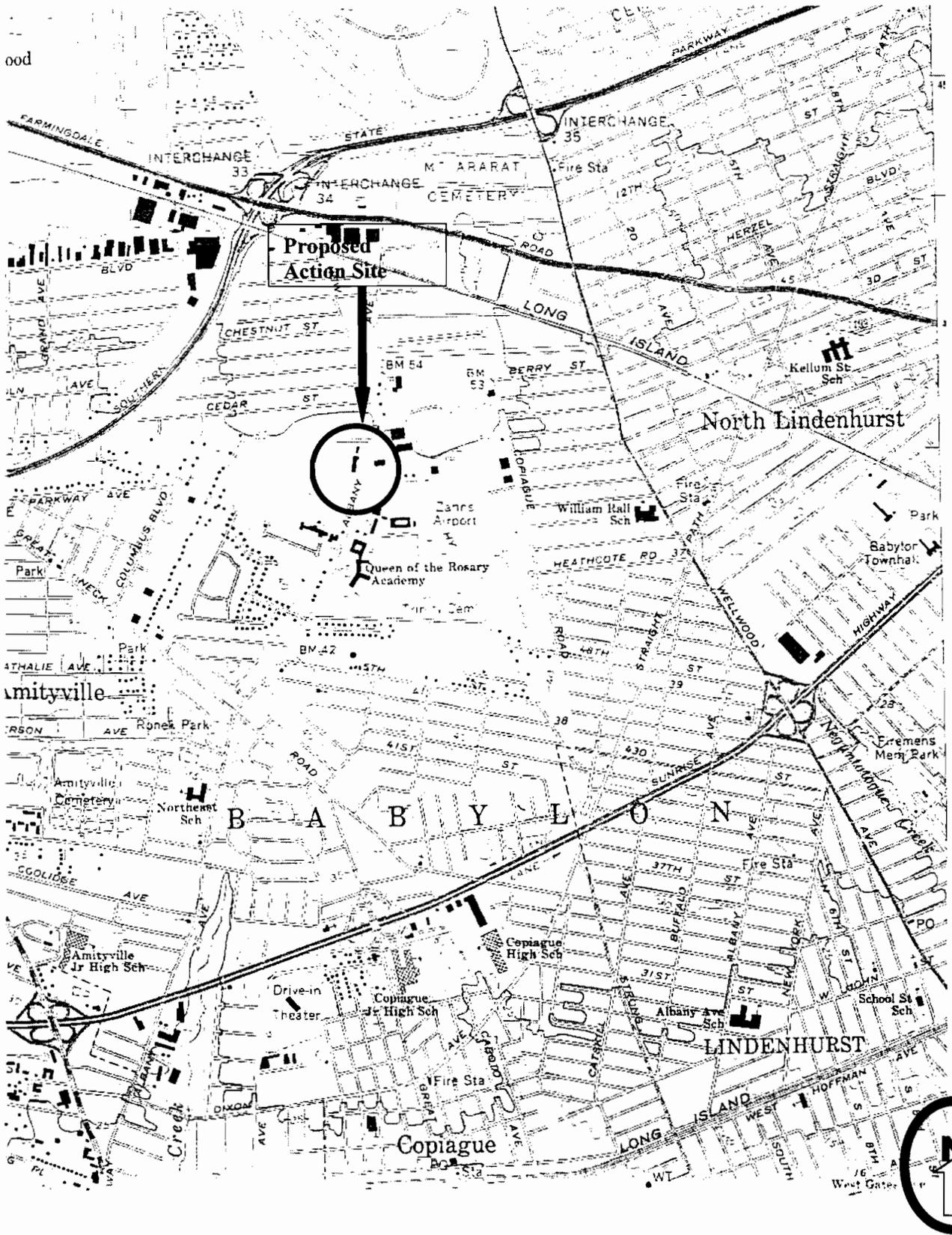
J.M. Waller Associates

HQ, 77th Regional Support Command, US Army Reserve

ATTN: AFRC-CNY-EN (RAMSDELL), Bldg, 200

Ft. Totten, NY 11364-1016

**APPENDIX A: MAPS AND SITE
DIAGRAMS**



77th Regional Support Command DCSENG Environmental Division
 Ft. Totten, NY

**Figure 1 : Amityville Quadrangle (New York)
 7.5 Minute Series (Topographic)**

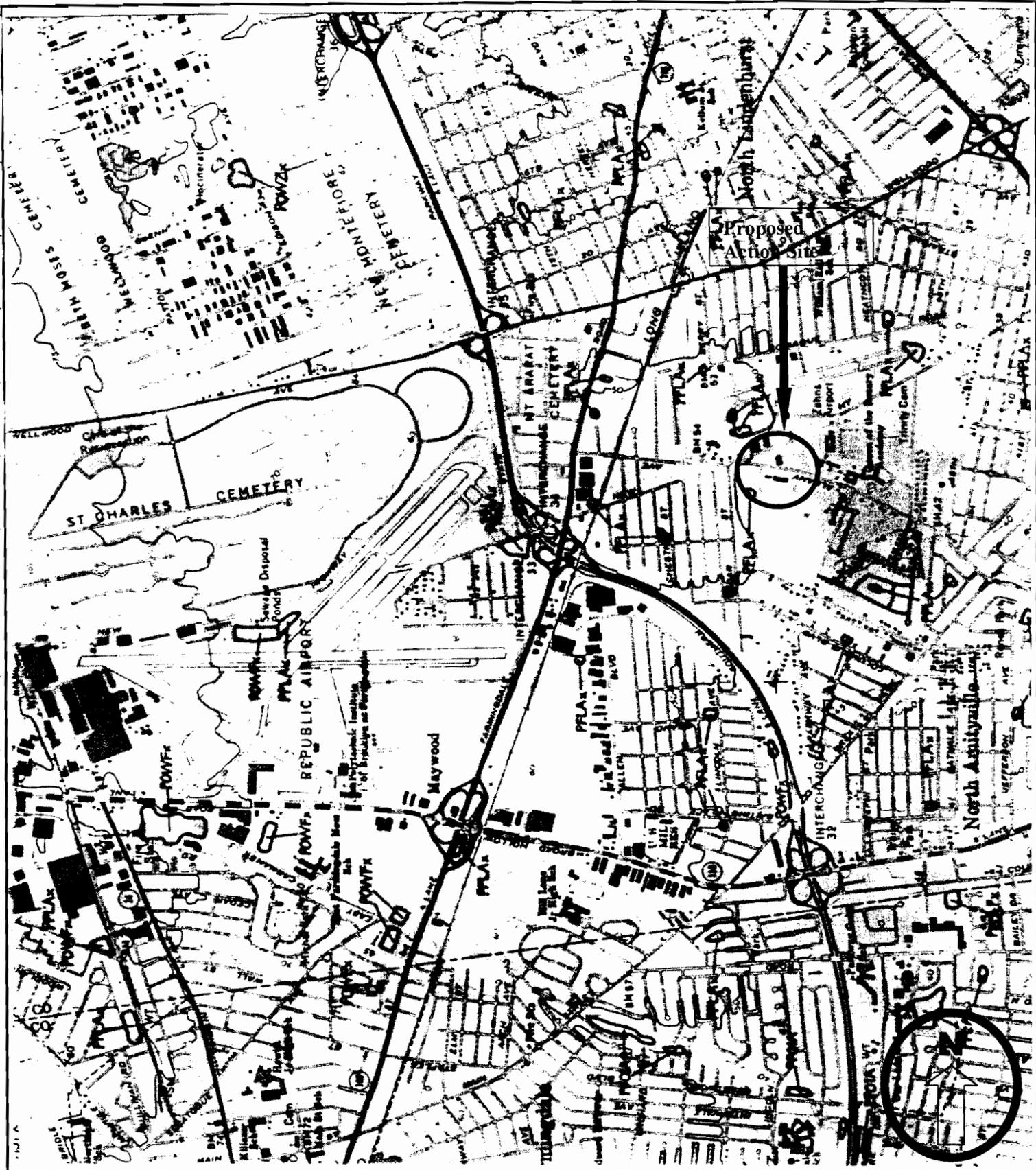
Scale: 1:24,000



77th Regional Support Command DCSENG Environmental Division
 Ft. Totten, NY

**Figure 2 : New York State Freshwater Wetlands Map
 Suffolk County ; Map 33 of 39**

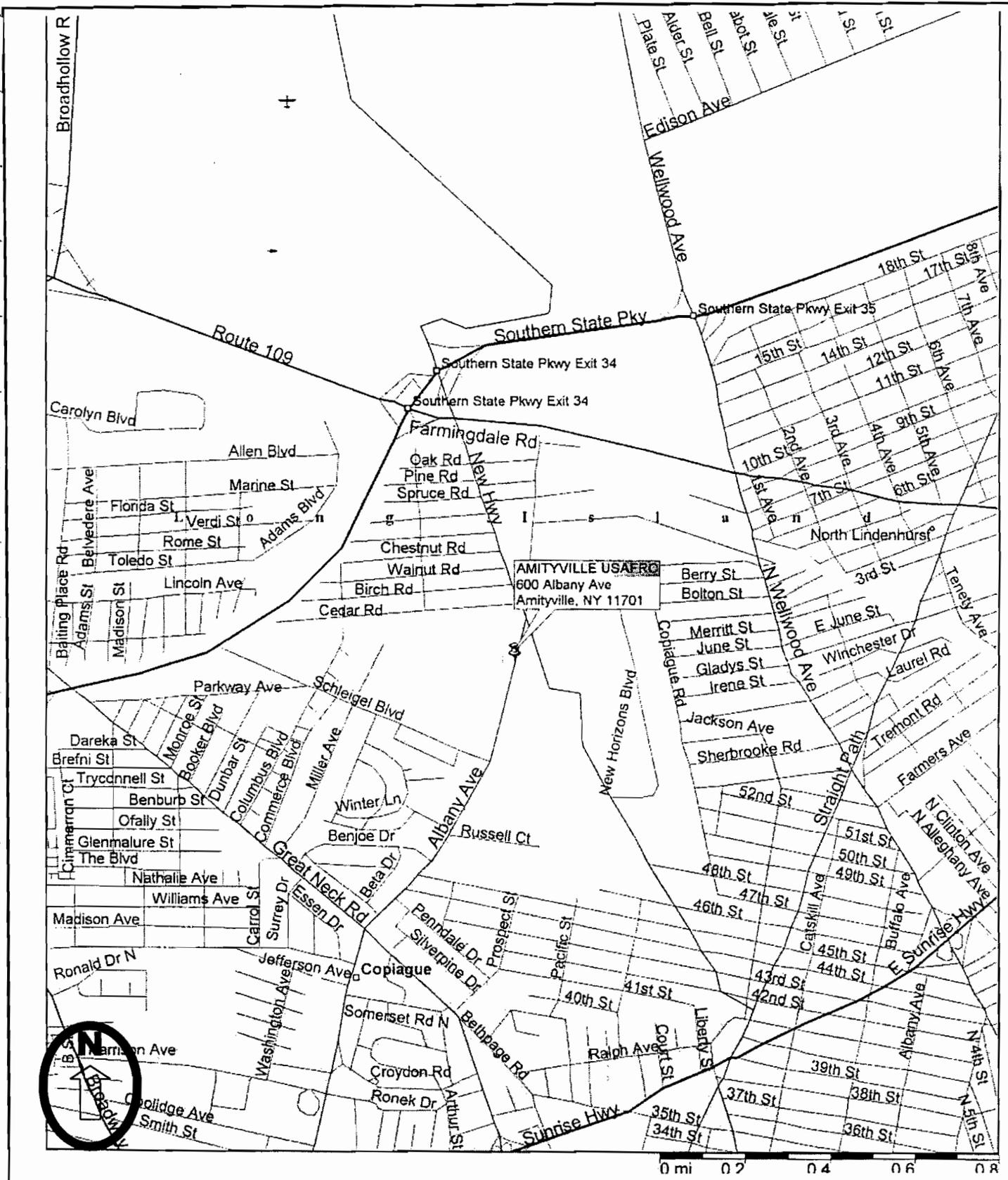
Scale: 1" = 800'



77th Regional Support Command DCS/ENG Environmental Division
 Ft. Totten, NY

Figure 3 : National Wetlands Inventory Map, US Department of the Interior

Scale: 1:24,000



77th Regional Support Command DCS/ENG Environmental Division
 Ft. Totten, NY

Figure 4: Amityville AFRC Vicinity Map

ASBESTOS INSPECTION REPORT
US ARMY RESERVE SITE
AMITYVILLE, NEW YORK
(NY002)



Prepared for:

77TH REGIONAL READINESS COMMAND
UNITED STATES ARMY RESERVE
FORT TOTTEN, NEW YORK



Prepared by:

ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 BARRACKS ROAD
NORTH CHARLESTON, SOUTH CAROLINA
29405
(843) 202.8003

DECEMBER 2004

UNITED STATES ARMED FORCES RESERVE CENTER AMITYVILLE, NEW YORK (NY002)

ASBESTOS INSPECTION REPORT

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3. RENOVATION/DEMOLITION - - - -	2
4. REPORT ORGANIZATION - - - -	3
5. SAMPLING STRATEGY - - - -	3
6. DISCLAIMER - - - -	4
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III. TRAINING RECORDS..... SECTION III

US ARMED FORCES RESERVE CENTER – AMITYVILLE (NY002)

ASBESTOS INSPECTION REPORT

EXECUTIVE SUMMARY

1. INTRODUCTION

Asbestos Building Inspectors Mark Moltzen and Terry Lewis from the Environmental Enterprise Group, Inc. (EEG) of Charleston, SC conducted an inspection to identify asbestos containing building material (ACBM) at the US Army Reserve Center located in Amityville, NY. The inspections were conducted on 1 November 2004 and the results of the inspections provide an inventory of ACBM in five (5) buildings.

All inspectors were certified by an EPA accredited training center under the Asbestos Hazard Emergency Response Act (AHERA), as Building Inspectors. All Inspectors and Management Planners are employees of EEG, Inc. and copies of inspector licenses are located in the **TRAINING** section of this report.

Suspect ACBM was identified and sampled in accordance with AHERA-style guidelines (See Paragraph 5 for sampling strategy). Some materials suspected of being ACBM may not have been assumed to be ACBM and not sampled. Assumed materials may include floor tile and ventilation transition boots. Some materials may not have been identified as ACBM because they were portable and removable (e.g. blackboards, fire hoses), were not safe to sample (e.g. electrical insulation), or sampling would have damaged the material and impaired the normal system operation/integrity (e.g. heating/ventilation/AC systems, furnace, boiler door and pipe gaskets).

Bulk samples were analyzed by the Environmental Hazards Services (EHS) laboratory of Richmond, Virginia. EHS is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA) for asbestos analysis. Polarized Light Microscopy (PLM) was used to analyze samples.

Materials identified as ACBM and either sampled or assumed were designated a homogeneous area by similarity of color, texture and date of application. Each homogeneous area was assessed in accordance with the "Asbestos Facility Inventory/Assessment Protocol," NEESA 70.2-010, Developed by the Naval Facilities Engineering Service Center (NFESC).

US ARMED FORCES RESERVE CENTER – AMITYVILLE (NY002)

ASBESTOS INSPECTION REPORT

The NFESC protocol establishes an algorithm rating for each homogeneous area based on condition, quantity, friability, exposure potential, number of persons exposed, building significance and percentage of asbestos present in the material. The ***BUILDING SUMMARY TABLES*** lists the ratings for each homogeneous area. The rating is heavily weighted by condition, friability, exposure potential and building significance. The higher the rating, the more attention is needed for this material. For the purposes of this inspection, all buildings were listed as essential and occupied during the inspection.

2. **FINDINGS SUMMARY**

BUILDING 1 (Main Reserve Center): Confirmed non-friable ACBM in the form of floor tile and floor tile mastic are located in the building.

BUILDING 2 (Maintenance Shop): Confirmed non-friable ACBM in the form of floor tile was found in this building.

BUILDING 3 (Storage Building): No confirmed ACBM was found in this building.

BUILDING 4 (Storage - former garage): Confirmed non-friable ACBM in the form of sheetrock joint compound (mud) is located in the building.

BUILDING 5 (Storage Building): No suspect material was found in this building.

See individual Building Summaries for detailed information on these materials. Buildings containing asbestos are required to be included in an Operations and Maintenance (O&M) Program. Any identified asbestos containing material not removed must be maintained following the guidelines of an O&M Plan.

3. **RENOVATION/DEMOLITION**

The National Emission Standard for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 requires written notification to the state and/or local environmental regulators at least ten working days prior to renovation or demolition of ACBM in quantities of 260 linear feet, 160 square feet, 35 cubic feet, or greater, except in cases of emergencies.

Contractors are advised to verify most current regulations with the state and/or local environmental regulators prior to start of any work.

US ARMED FORCES RESERVE CENTER – AMITYVILLE (NY002)

ASBESTOS INSPECTION REPORT

4. **REPORT ORGANIZATION**

Specific, detailed information on each inspected building is noted in the *BUILDING SUMMARIES* section of this report and include the following:

- Photos of existing buildings
- Narrative description of the building with findings and recommendations
- Building Summary Table
- Report Summary Table
- Laboratory Test Results Table, if applicable
- Operations and Maintenance Table, if applicable
- CADD drawing showing sample locations, if applicable
- Chain of Custody and laboratory results forms

Following the *BUILDING SUMMARIES* is a tabbed section for *TRAINING*. Copies of each inspector's appropriate certificates and laboratory accreditations are included there.

5. **SAMPLING STRATEGY**

The sampling and analysis of bulk samples was conducted in accordance with established AHERA guidelines. Unless otherwise stated, the following sampling scheme was utilized during the survey:

Thermal System Insulation (TSI)

- 1) A minimum of 1 sample was taken of each homogenous area <6 linear feet (LF) or <6 square feet (SF).
- 2) A minimum of 3 samples was taken of each homogenous area >6 LF or > 6 SF.

Surfacing Materials

- 1) A minimum of 3 samples were taken of each homogeneous area of material 1000 SF or less.
- 2) A minimum of 5 samples were taken of each homogenous area of material greater than 1000 SF but less than 5000 SF.
- 3) A minimum of 7 samples were taken of each homogenous area of material greater than 5000 SF.

Miscellaneous Materials (Including floor tiles, ceiling tiles and mastics)

A minimum of 2 samples

US ARMED FORCES RESERVE CENTER – AMITYVILLE (NY002)
ASBESTOS INSPECTION REPORT

6. **DISCLAIMER**

A comprehensive and thorough asbestos inspection was conducted on these facilities by certified and experienced Environmental Enterprise Group asbestos inspectors. Every effort was made to identify all ACBM in the facility, but due to random sampling techniques mandated by EPA regulations and the non-destructive sampling policy for this project, the possibility always exists that some ACBM remains undetected.

US ARMY RESERVE CENTER - AMITYVILLE ASBESTOS BUILDING INSPECTION

REPORT SUMMARY TABLE

Bldg No.	Bldg Name or Description	Year Built	Sq. Ft.	Number of Homogeneous Areas			Comments
				Total	Assumed	Confirmed	
1	Amityville Armed Forces Reserve Center	1987	26,954	3	0	2	Floor tile - floor tile mastic
2	Maintenance Shop	1950	6,882	2	0	1	Floor tile
3	Storage Building	1950	697	3	0	0	No asbestos detected in this building
4	Storage Building (Former Garage)	1950	1,600	2	0	1	Sheetrock mud (joint compound)

NOTES: Building 5 is not listed above because no suspect material was found there.

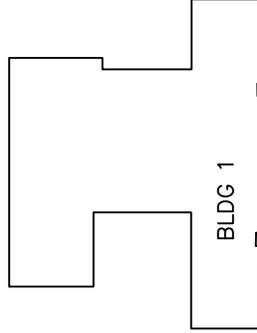
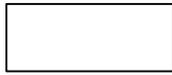
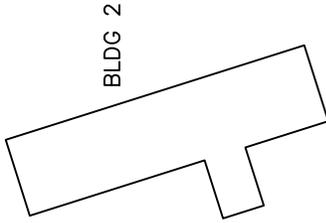
US ARMED FORCES RESERVE CENTER – AMITYVILLE (NY002)
ASBESTOS INSPECTION REPORT

BUILDING SUMMARIES

The following pages report observations noted and suggest actions required as a result of an asbestos inspection conducted by Environmental Enterprise Group, Inc. in November of 2004. Five (5) buildings at the US Army Reserve Center located in Amityville, NY were inspected for possible presence of suspect/assumed asbestos. This section provides *Description, Findings, Observations, Recommended Abatement Action, and Recommendations for Operations and Maintenance* for each building inspected.

The room numbers shown on the CADD drawings and referenced in this report were assigned by the inspectors at the time of inspection unless previous room numbers were assigned and displayed.

Some room numbers are prefixed by a letter to indicate the type of room; **E** indicates an entry to the building, **H** indicates a hallway, **R** indicates a roof, **S** indicates a stairwell, **A** is an attic area and **B** indicates basement rooms.



ALBANY AVE



ENVIRONMENTAL ENTERPRISE GROUP, INC.
1345 Barracks Rd.
NORTH CHARLESTON, SOUTH CAROLINA 29405

SITE PLAN
ARC AMITYVILLE (NY002)
AMITYVILLE NEW YORK

DATE 1-12-05	PREPARED BY M. MOLTZEN	DRAWN BY L. C. DIASIO	REV -
SCALE NONE	DWG NUMBER ee9inc_NY002-sm_10-04	SHEET 1 OF 1	



Building 1 - Main Reserve Building
Amityville Armed Forces Reserve Center - Amityville, NY (NY002)

US ARMY RESERVE CENTER - AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

BUILDING 1: Amityville Armed Forces Reserve Center

1. DESCRIPTION:

Building 1 is a 26,954 square-foot building constructed in 1987. It is a concrete block structure with brick exterior and rubber-coated roofing. The following information was identified during the survey and from the analysis of the samples taken:

- Three homogeneous areas were identified during the initial survey.
- No homogeneous areas were assumed to contain asbestos.
- Three of the homogeneous areas were suspected to contain asbestos and sampled to confirm.
- Two of the suspected homogeneous areas were confirmed to contain asbestos.
- One of the suspected homogenous areas did not contain asbestos.

2. FINDINGS:

Three homogeneous areas with suspected ACM were identified. Six samples were collected and analyzed. Sample results are summarized in the Laboratory Test Results table in this section. Friable asbestos was not found in any homogeneous areas.

Confirmed ACM. The following homogeneous areas sampled were confirmed to contain asbestos:

- H-1: MISC, FLOOR TILE, 12" gray tile w/black & white streaks, was Non-friable and Not Damaged.
- H-3: MISC, FLOOR TILE MASTIC ONLY, Black mastic under 12" beige tile w/gray streaks, was Non-friable and Not Damaged.

Asbestos Free. Asbestos was not detected in the following homogeneous areas:

- H-2: MISC, SHEETROCK/MUD, White

Assumed ACM. The following homogeneous areas were assumed to contain asbestos: **NONE**

3. OBSERVATIONS:

All accessible TSI is fiberglass. Ceiling tiles replaced in past 6 years and not considered to be suspect material.

US ARMY RESERVE CENTER - AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

4. RECOMMENDED ABATEMENT ACTIONS:

Recommended actions for the following homogeneous areas:

- H-1: MISC, FLOOR TILE, 12" gray tile w/black & white streaks:
O&M
- H-3: MISC, FLOOR TILE MASTIC ONLY, Black mastic under 12"
beige tile w/gray streaks: **O&M**

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE:

Operations and Maintenance (O&M) recommendations for confirmed and assumed homogeneous materials of ACM are found in the *Operations & Maintenance Table* of this report. The materials listed below should be maintained following the guidelines in the O&M Plan during regular maintenance and small-scale repair activities, until removed.

MISC FLOOR TILE is Confirmed, Non-friable ACM.

H-1 (FLOOR TILE, 12" gray tile w/black & white streaks) is located in Rooms 222, Halls H-100, H-101, H-103, H-200 and Stairwells S-001 & S-002.

MISC FLOOR TILE MASTIC ONLY is Confirmed, Non-friable ACM.

H-3 (FLOOR TILE MASTIC ONLY, Black mastic under 12" beige tile w/gray streaks) is located in Rooms 105, 107, 108, 109, 110, 111, 116, 117, 117a, 117b, 118, 118a, 119, 120, 121, 122, 123, 124, 125, 146, 148, 149, 150, 150a, 151, 152, 154, 155, 156, 156a, 156b, 156c, 157, 158, 159, 160, 161, 162, 203, 204, 205, 206, 207, 209, 211, 212, 212a1, 212a2, 213, 215, 216, 218, 219, 220, 225, 225a, 226, Hall H-102 and Stairwells S-001 & S-002.

BUILDING SUMMARY TABLE

US ARMY RESERVE CENTER - AMITYVILLE ASBESTOS BUILDING INSPECTION

Building No. 1

H- No	ACM Y,N,A	Material Description	Quantity	Rating	Fria- bility	Cond	% D	Recommended Action	Abate Cost	Comments
1	Y	Misc, FLOOR TILE; 12" gray tile w/black & white streaks Rooms 222, H-100, H-101, H-103, H-200, S-001, S-002	3,589 SF	11	Non	PD	0.0	O&M		Floor tile contains asbestos, mastic does not.
2	N	Misc, SHEETROCK/MUD, White Rooms 111, 218, various	SF	0						
3	Y	Misc, FLOOR TILE MASTIC ONLY, Black mastic under 12" beige tile wgray streaks Rooms 105, 107, 108, 109, 110, 111, 116, 117, 117a, 117b, 118, 118a, 119, 120, 121, 122, 123, 124, 125, 146, 148, 149, 150, 150a, 151, 152, 154, 155, 156, 156a, 156b, 156c, 157, 158, 159, 160, 161, 162, 203, 204, 205, 206, 207, 209, 211, 212, 212a1, 212a2, 213, 215, 216, 218, 219, 220, 225, 225a, 226, S-001, S-002, H-102	17,257 SF	11	Non	PD	0.0	O&M		Mastic contains asbestos, floor tile does not.

Note: Asbestos abatement cost estimates are not included in this report.

H-No= Homogenous Area Number, ACM= Asbestos Containing Material: Y=Yes, N= No, A= Assumed, TSI= Thermal System Insulation, Misc= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Condition: PD= Potential for Damage, D= Damaged, SD= Significantly Damaged, Recommended Action: O&M= Operation and Maintenance

**LABORATORY TEST
RESULTS TABLE**

**US ARMY RESERVE CENTER - AMITYVILLE
ASBESTOS BUILDING INSPECTION
INDUSTRIAL LABORATORY TEST REPORT**

Building No. 1

Hom. Area No.	ASB Y/N	Sample Number	Room Number	Material Description:	Date Sampled	Date Analyzed	Sample Results	Percent Asbestos
1	NO	Amityville-001	H-100	Misc, FLOOR TILE, 12" gray tile w/black & white streaks	11/01/04	11/11/04	No Asbestos Detected	0%
1	YES	Amityville-002	H-200	Misc, FLOOR TILE, 12" gray tile w/black & white streaks	11/01/04	11/11/04	Chrysotile	2%
2	NO	Amityville-003	111	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	No Asbestos Detected	0%
2	NO	Amityville-004	218	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	No Asbestos Detected	0%
3	YES	Amityville-005	111	Misc, FLOOR TILE MASTIC ONLY, Black mastic under 12" beige til	11/01/04	11/11/04	Chrysotile	6%
3	YES	Amityville-006	125	Misc, FLOOR TILE MASTIC ONLY, Black mastic under 12" beige til	11/01/04	11/11/04	Chrysotile	6%

TEST METHOD: Method for the determination of Asbestos in bulk building materials (EPA/600/R-93/116) DETECTION LIMIT: 1%

**OPERATIONS AND
MAINTENANCE TABLE**

**US ARMY RESERVE CENTER - AMITYVILLE
ASBESTOS BUILDING INSPECTION**

O&M

Bldg. No.	Homo No.	Material Description	Quantity	Rat- ing	Fria- bility	Condition	% D	Recommended Action
1	1	Misc, FLOOR TILE, 12" gray tile w/black & white streaks	3,589 SF	11	Non	Not Damaged	0.00	O&M

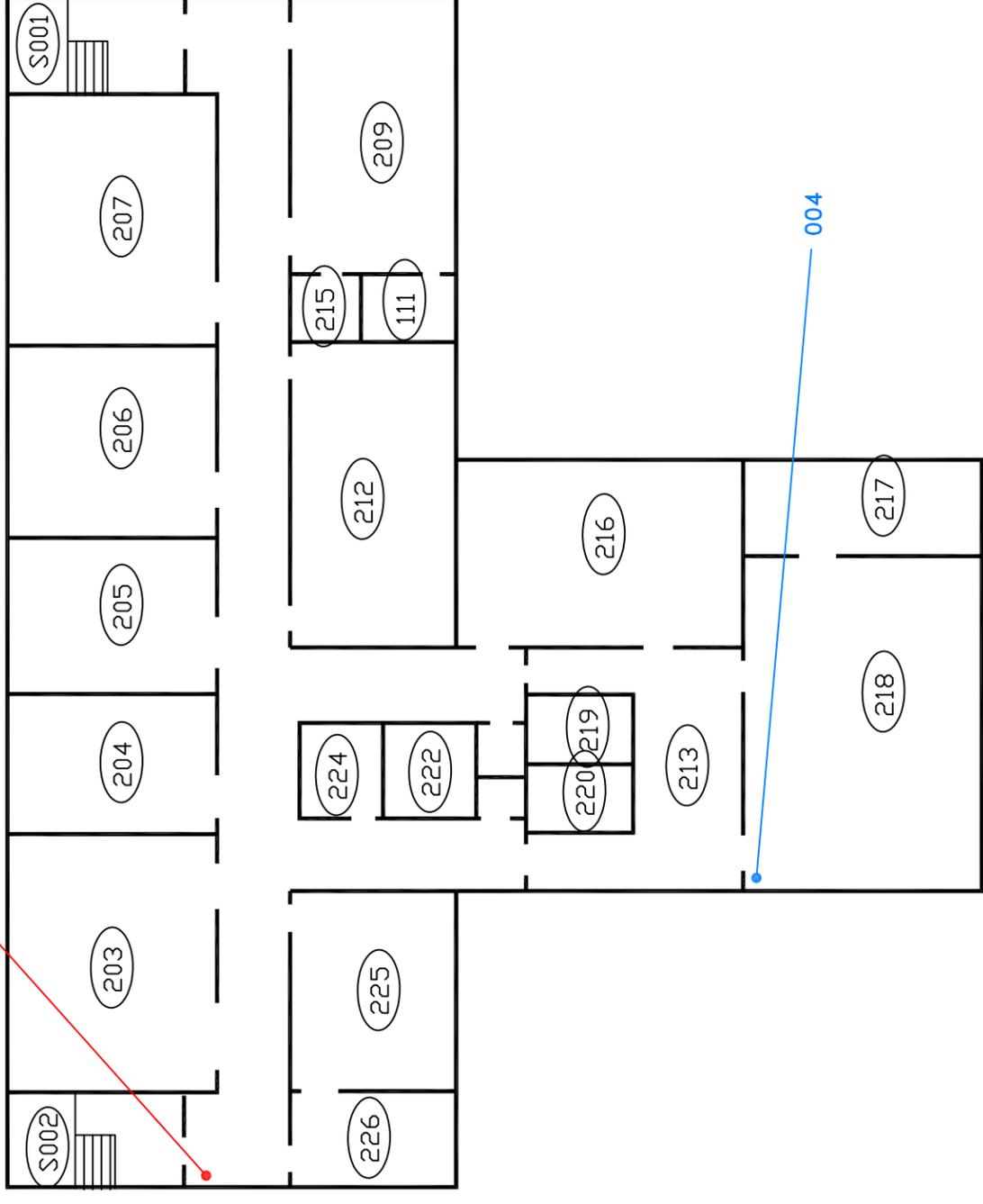
Locations: Rooms 222, H-100, H-101, H-103, H-200, S-001, S-002

1	3	Misc, FLOOR TILE MASTIC ONLY, Black mastic under 12" beige tile wgray streaks	17,257 SF	11	Non	Not Damaged	0.00	O&M
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Locations: Rooms 105, 107, 108, 109, 110, 111, 116, 117, 117a, 117b, 118, 118a, 119, 120, 121, 122, 123, 124, 125, 146, 148, 149, 150, 150a, 151, 152, 154, 155, 156, 156a, 156b, 156c, 157, 158, 159, 160, 161, 162, 203, 204, 205, 206, 207, 209, 211, 212, 212a1, 212a2, 213, 215, 216, 218, 219, 220, 225, 225a, 226, S-001, S-002, H-102

Homo No= Homogenous Area Number, ACM= Asbestos Containing Material, TSI= Thermal System Insulation, MISC= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Non= Non-Friable, Recommended Action: O&M= Operation and Maintenance, Refer to the Section III Operations and Maintenance Plan for standard O&M and Repair procedures.

002



LEGEND

- (XXX) --- Indicates unique room number assigned by inspector
- (XXX) --- Indicates sample locations which tested positive for asbestos

ENVIRONMENTAL ENTERPRISE GROUP, INC. 1345 Barracks Rd. NORTH CHARLESTON, SOUTH CAROLINA 29405			
ASBESTOS SAMPLE LOCATIONS BUILDING 1 SECOND FLOOR ARC AMITYVILLE (NY002) AMITYVILLE NEW YORK			
DATE	PREPARED BY	DRAWN BY	REV
1-14-05	M. MOLTZEN	L. C. DIASIO	-
SCALE	DWG NUMBER	SHEET	
NONE	ee9inc_NY002_b1.2_10-04	1 OF 1	

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 WHITE PINE ROAD - RICHMOND, VA 23237

804-275-4788 FAX 804-275-4907

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Environmental Enterprise Group, Inc.
1345 Barracks Road
North Charleston, SC 29405

DATE OF RECEIPT: 10 NOV 2004
DATE OF ANALYSIS: 11 NOV 2004
DATE OF REPORT: 12 NOV 2004

CLIENT NUMBER: 42-4515 B

EHS PROJECT #: 11-04-1491

PROJECT: US Army Reserve Center-Amityville; Building #1

EHS SAMPLE #	CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01A	ARC-Amityville-001(a)-Tile/ Tan/Gray Vinyl	NAD	100% Non-Fibrous
01B	ARC-Amityville-001(b)-Mastic/ Brown Adhes.	NAD	3% Cellulose 97% Non-Fibrous
02A	ARC-Amityville-002(a)-Tile/ Gray Vinyl	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
02B	ARC-Amityville-002(b)-Mastic/ Brown Adhes.	NAD	4% Cellulose 96% Non-Fibrous
03	ARC-Amityville-003/ White Powder	NAD	25% Cellulose 75% Non-Fibrous
04	ARC-Amityville-004/ White Powder	NAD	20% Cellulose 80% Non-Fibrous
05A	ARC-Amityville-005(a)-Tile/ Gray Vinyl	NAD	100% Non-Fibrous
05B	ARC-Amityville-005(b)-Mastic/ Black Tar-Like	6% Chrysotile 6% Total Asbestos	4% Cellulose 90% Non-Fibrous
06A	ARC-Amityville-006(a)-Tile/ Tan Vinyl	NAD	100% Non-Fibrous
06B	ARC-Amityville-006(b)-Mastic/ Black Tar-Like	6% Chrysotile 6% Total Asbestos	4% Cellulose 90% Non-Fibrous

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER: 42-4515 B
EHS PROJECT #: 11-04-1491
PROJECT: US Army Reserve Center-Amityville; Building #1

QC SAMPLE: M2-1998-2
QC BLANK: SRM 1866 Fiberglass
REPORTING LIMIT: 1% Asbestos
METHOD: Polarized Light Microscopy, EPA Method 600/R-93/116 *
ANALYST: Christian H. Schaible

Reviewed By Authorized Signatory:


Howard Varner, Laboratory Director
Irma Faszewski, Quality Assurance Coordinator
David Xu, MS, Senior Chemist
Feng Jiang, MS, Senior Geologist
Michael A. Mueller, Quality Assurance Manager

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND NAD = no asbestos detected
SCF = suspected ceramic fibers

plm1.dot/29OCT2004/ MR

-- PAGE 02 of 02 -- END OF REPORT --



Building 2 - Maintenance Shop Building
Amityville Armed Forces Reserve Center - Amityville, NY (NY002)

US ARMY RESERVE CENTER - AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

BUILDING 2: Maintenance Shop

1. DESCRIPTION:

Building 2 is a 6,882 square-foot building constructed in 1950. It is a concrete block structure with new tar & gravel roof. The following information was identified during the survey and from the analysis of the samples taken:

- Two homogeneous areas were identified during the initial survey.
- No homogeneous areas were assumed to contain asbestos.
- Two of the homogeneous areas were suspected to contain asbestos and sampled to confirm.
- One of the suspected homogeneous areas was confirmed to contain asbestos.
- One of the suspected homogenous areas did not contain asbestos.

2. FINDINGS:

Two homogeneous areas with suspected ACM were identified. Four samples were collected and analyzed. Sample results are summarized in the Laboratory Test Results table in this section. Friable asbestos was not found in any homogeneous areas.

Confirmed ACM. The following homogeneous areas sampled were confirmed to contain asbestos:

- H-1: MISC, FLOOR TILE, 12" gray tile w/tan marbling, was Non-friable and Not Damaged.

Asbestos Free. Asbestos was not detected in the following homogeneous areas:

- H-2: MISC, SHEETROCK/MUD, White

Assumed ACM. The following homogeneous areas were assumed to contain asbestos:

3. OBSERVATIONS:

New roofing installed in 2000.

4. RECOMMENDED ABATEMENT ACTIONS:

Recommended actions for the following homogeneous areas:

- H-1: MISC, FLOOR TILE, 12" gray tile w/tan marbling: **O&M**

US ARMY RESERVE CENTER - AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE:

Operations and Maintenance (O&M) recommendations for confirmed and assumed homogeneous materials of ACM are found in the *Operations & Maintenance Table* of this report. The materials listed below should be maintained following the guidelines in the O&M Plan during regular maintenance and small-scale repair activities, until removed.

MISC FLOOR TILE is Confirmed, Non-friable ACM.

H-1 (FLOOR TILE, 12" gray tile w/tan marbling) is located in Rooms 101 & 114.

BUILDING SUMMARY TABLE

US ARMY RESERVE CENTER - AMITYVILLE ASBESTOS BUILDING INSPECTION

Building No. 2

H- No	ACM Y,N,A	Material Description	Quantity	Rating	Fria- bility	Con- d	% D	Recommended Action	Abate Cost	Comments
1	Y	Misc, FLOOR TILE; 12" gray tile w/tan marbling Rooms 101, 114	260 SF	10	Non	PD	0.0	O&M		Floor tile contains asbestos, mastic does not.
2	N	Misc, SHEETROCK/MUD, White Rooms 114, H-100, various	SF	0						

Note: Asbestos abatement cost estimates are not included in this report.

H-No= Homogenous Area Number, ACM= Asbestos Containing Material: Y=Yes, N= No, A= Assumed, TSI= Thermal System Insulation, Misc= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Condition: PD= Potential for Damage, D= Damaged, SD= Significantly Damaged, Recommended Action: O&M= Operation and Maintenance

LABORATORY TEST RESULTS TABLE

**US ARMY RESERVE CENTER - AMITYVILLE
ASBESTOS BUILDING INSPECTION
INDUSTRIAL LABORATORY TEST REPORT**

Building No. 2

Hom. Area No.	ASB Y/N	Sample Number	Room Number	Material Description:	Date Sampled	Date Analyzed	Sample Results	Percent Asbestos
1	YES	Amityville-007	101	Misc, FLOOR TILE, 12" gray tile w/tan marbling	11/01/04	11/11/04	Chrysotile	2%
1	YES	Amityville-008	114	Misc, FLOOR TILE, 12" gray tile w/tan marbling	11/01/04	11/11/04	Chrysotile	2%
2	NO	Amityville-009	114	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	No Asbestos Detected	0%
2	NO	Amityville-010	H-100	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	No Asbestos Detected	0%

TEST METHOD: Method for the determination of Asbestos in bulk building materials (EPA/600/R-93/116) DETECTION LIMIT: 1%

**OPERATIONS AND
MAINTENANCE TABLE**

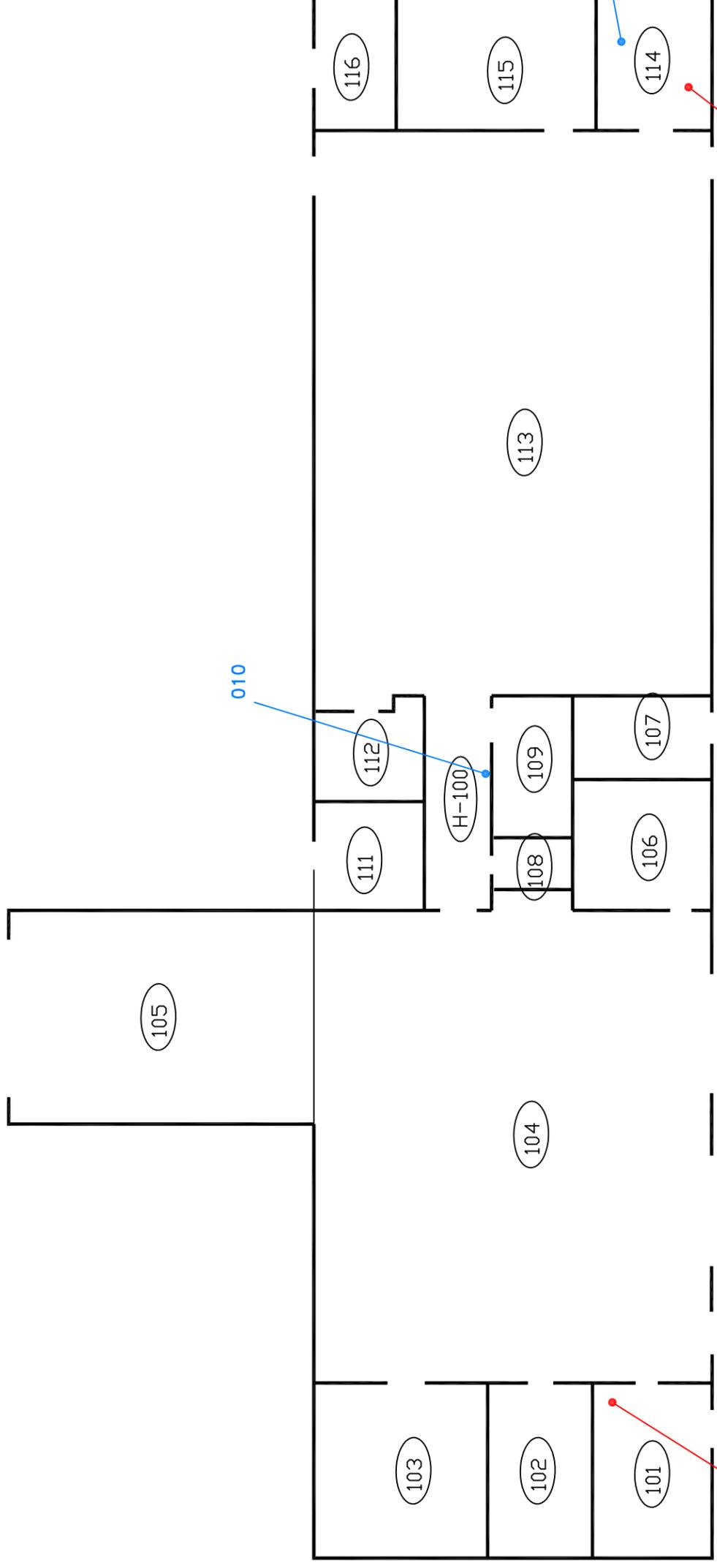
**US ARMY RESERVE CENTER - AMITYVILLE
ASBESTOS BUILDING INSPECTION**

O&M

Bldg. No.	Homo No.	Material Description	Quantity	Rat- ing	Fria- bility	Condition	% D	Recommended Action
2	1	Misc, FLOOR TILE, 12" gray tile w/tan marbling	260 SF	10	Non	Not Damaged	0.00	O&M

Locations: Rooms 101, 114

Homo No= Homogenous Area Number, ACM= Asbestos Containing Material, TSI= Thermal System Insulation, MISC= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Non= Non-Friable, Recommended Action: O&M= Operation and Maintenance, Refer to the Section III Operations and Maintenance Plan for standard O&M and Repair procedures.



LEGEND

- (XXX) --- Indicates unique room number assigned by inspector
- (XXX) --- Indicates sample locations which tested positive for asbestos

ENVIRONMENTAL ENTERPRISE GROUP, INC. 1345 Barracks Rd. NORTH CHARLESTON, SOUTH CAROLINA 29405			
ASBESTOS SAMPLE LOCATIONS BUILDING 2 ARC AMITYVILLE (NY002) AMITYVILLE NEW YORK			
DATE	PREPARED BY	DRAWN BY	REV
1-12-05	M. MOLTZEN	L. C. DIASIO	-
SCALE	DWG NUMBER	SHEET	
NONE	ee9inc_NY002_b2_10-04	1 OF 1	

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 WHITE PINE ROAD - RICHMOND, VA 23237

804-275-4788 FAX 804-275-4907

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Environmental Enterprise Group, Inc. **DATE OF RECEIPT:** 10 NOV 2004
1345 Barracks Road **DATE OF ANALYSIS:** 11 NOV 2004
North Charleston, SC 29405 **DATE OF REPORT:** 12 NOV 2004

CLIENT NUMBER: 42-4515 B
EHS PROJECT #: 11-04-1489
PROJECT: US Army Reserve Center-Amityville; Building #2

EHS SAMPLE #	CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01A	ARC-Amityville-007(a)-Tile/ Gray Vinyl	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
01B	ARC-Amityville-007(b)-Mastic I/ Brown Adhes.	NAD	6% Cellulose 94% Non-Fibrous
01C	ARC-Amityville-007(c)-Mastic II/ Tan Adhes.	NAD	4% Cellulose 96% Non-Fibrous
02A	ARC-Amityville-008(a)-Tile/ Tan Vinyl	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
02B	ARC-Amityville-008(b)-Mastic/ Tan Adhes.	NAD	3% Cellulose 97% Non-Fibrous
03	ARC-Amityville-009/ White Powder	NAD	20% Cellulose 80% Non-Fibrous
04	ARC-Amityville-010/ White Powder	NAD	20% Cellulose 80% Non-Fibrous

QC SAMPLE: M2-1998-2

QC BLANK: SRM 1866 Fiberglass

REPORTING LIMIT: 1% Asbestos

METHOD: Polarized Light Microscopy, EPA Method 600/R-93/116 *

ANALYST: Christian H. Schaible

Reviewed By Authorized Signatory: _____

Howard Varner, Laboratory Director

Irma Faszewski, Quality Assurance Coordinator

David Xu, MS, Senior Chemist

Feng Jiang, MS, Senior Geologist

Michael A. Mueller, Quality Assurance Manager

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER: 42-4515 B
EHS PROJECT #: 11-04-1489
PROJECT: US Army Reserve Center Amityville; Building #2

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND NAD = no asbestos detected
 SCF = suspected ceramic fibers

plm1.dot/29OCT2004/ MR

-- PAGE 02 of 02 -- END OF REPORT --



Building 3 - Storage Building
Amityville Armed Forces Reserve Center - Amityville, NY (NY002)

US ARMY RESERVE CENTER - AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

BUILDING 3: Storage Building

1. DESCRIPTION:

Building 3 is a 697 square-foot building constructed in 1950. It is a concrete block structure with tar & gravel roof. The following information was identified during the survey and from the analysis of the samples taken:

- Three homogeneous areas were identified during the initial survey.
- No homogeneous areas were assumed to contain asbestos.
- Three of the homogeneous areas were suspected to contain asbestos and sampled to confirm.
- No suspected homogeneous areas were confirmed to contain asbestos.

2. FINDINGS:

Three homogeneous areas with suspected ACM were identified. Six samples were collected and analyzed. Sample results are summarized in the Laboratory Test Results table in this section. Asbestos was not found in any homogeneous areas.

Confirmed ACM. The following homogeneous areas sampled were confirmed to contain asbestos: **NONE**

Asbestos Free. Asbestos was not detected in the following homogeneous areas:

- H-1: MISC, SHEETROCK/MUD, White
- H-2: MISC, ACOUSTICAL TILE, White w/large pinholes
- H-3: MISC, ROOFING, TAR AND GRAVEL, Black

Assumed ACM. The following homogeneous areas were assumed to contain asbestos: **NONE**

3. OBSERVATIONS: NONE

4. RECOMMENDED ABATEMENT ACTIONS: NONE

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE: NONE

BUILDING SUMMARY TABLE

US ARMY RESERVE CENTER - AMITYVILLE ASBESTOS BUILDING INSPECTION

Building No. 3

H- No	ACM Y,N,A	Material Description	Quantity	Rating	Fria- bility	Cond	% D	Recommended Action	Abate Cost	Comments
1	N	Misc, SHEETROCK/MUD, White	SF	0						
Rooms 100, 101										
2	N	Misc, ACOUSTICAL TILE, White w/large pinholes	SF	0						
Rooms 101										
3	N	Misc, ROOFING, TAR AND GRAVEL, Black	SF	0						
Rooms Roof										

Note: Asbestos abatement cost estimates are not included in this report.

H-No= Homogenous Area Number, ACM= Asbestos Containing Material: Y=Yes, N= No, A= Assumed, TSI= Thermal System Insulation, Misc= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Condition: PD= Potential for Damage, D= Damaged, SD= Significantly Damaged, Recommended Action: O&M= Operation and Maintenance

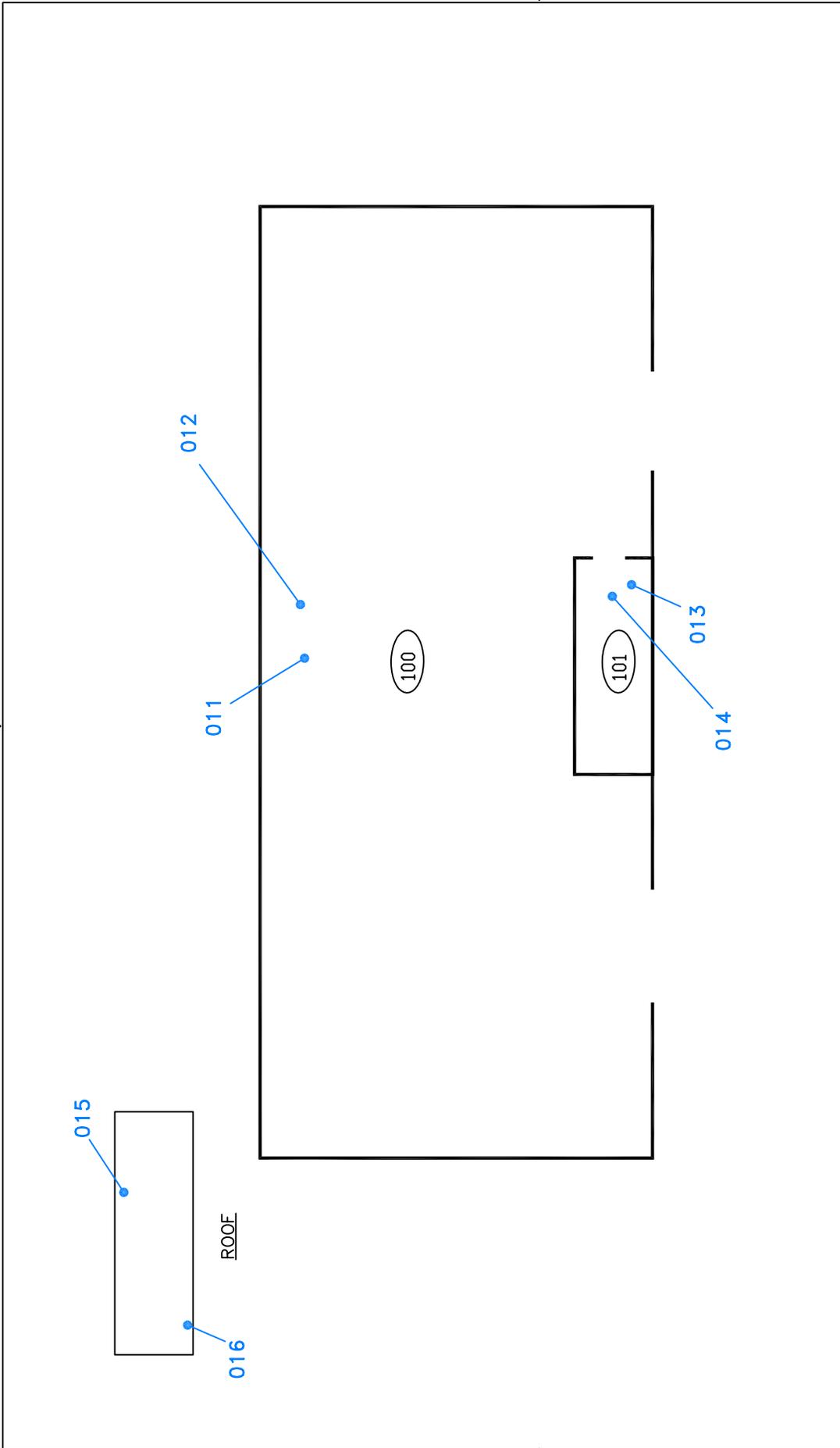
**LABORATORY TEST
RESULTS TABLE**

**US ARMY RESERVE CENTER - AMITYVILLE
ASBESTOS BUILDING INSPECTION
INDUSTRIAL LABORATORY TEST REPORT**

Building No. 3

Hom. Area No.	ASB Y/N	Sample Number	Room Number	Material Description:	Date Sampled	Date Analyzed	Sample Results	Percent Asbestos
1	NO	Amityville-011	100	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	No Asbestos Detected	0%
1	NO	Amityville-012	100	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	No Asbestos Detected	0%
2	NO	Amityville-013	101	Misc, ACOUSTICAL TILE, White w/large pinholes	11/01/04	11/11/04	No Asbestos Detected	0%
2	NO	Amityville-014	101	Misc, ACOUSTICAL TILE, White w/large pinholes	11/01/04	11/11/04	No Asbestos Detected	0%
3	NO	Amityville-015	Roof	Misc, ROOFING, Black	11/01/04	11/11/04	No Asbestos Detected	0%
3	NO	Amityville-016	Roof	Misc, ROOFING, Black	11/01/04	11/11/04	No Asbestos Detected	0%

TEST METHOD: Method for the determination of Asbestos in bulk building materials (EPA/600/R-93/116) DETECTION LIMIT: 1%



ENVIRONMENTAL ENTERPRISE GROUP, INC. 1345 Barracks Rd. NORTH CHARLESTON, SOUTH CAROLINA 29405			
ASBESTOS SAMPLE LOCATIONS BUILDING 3 ARC AMITYVILLE (NY002) AMITYVILLE NEW YORK			
DATE 1-12-05	PREPARED BY M. MOLTZEN	DRAWN BY L. C. DIASIO	REV -
SCALE NONE	DWG NUMBER eeginc_NY002-b5_10-04	SHEET 1 OF 1	

LEGEND

- XXX --- Indicates unique room number assigned by inspector
- XXX --- Indicates sample locations which tested positive for asbestos



ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 WHITE PINE ROAD - RICHMOND, VA 23237

804-275-4788 FAX 804-275-4907

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Environmental Enterprise Group, Inc.
1345 Barracks Road
North Charleston, SC 29405

DATE OF RECEIPT: 10 NOV 2004
DATE OF ANALYSIS: 11 NOV 2004
DATE OF REPORT: 12 NOV 2004

CLIENT NUMBER: 42-4515 B
EHS PROJECT #: 11-04-1494
PROJECT: US Army Reserve Center-Amityville; Building #3

<u>EHS SAMPLE #</u>	<u>CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION</u>	<u>% ASBESTOS</u>	<u>OTHER MATERIALS</u>
01	ARC-Amityville-011/ Gray Powder	NAD	2% Cellulose 98% Non-Fibrous
02	ARC-Amityville-012/ Gray Powder	NAD	2% Cellulose 98% Non-Fibrous
03	ARC-Amityville-013/ White/Brown Fib.	NAD	93% Cellulose 7% Non-Fibrous
04	ARC-Amityville-014/ White/Brown Fib.	NAD	93% Cellulose 7% Non-Fibrous
05	ARC-Amityville-015/ Black Tar-Like	NAD	3% Cellulose 97% Non-Fibrous
06	ARC-Amityville-016/ Black Tar-Like	NAD	3% Cellulose 97% Non-Fibrous

QC SAMPLE: M2-1998-2

QC BLANK: SRM 1866 Fiberglass

REPORTING LIMIT: 1% Asbestos

METHOD: Polarized Light Microscopy, EPA Method 600/R-93/116 *

ANALYST: Christian H. Schaible

Reviewed By Authorized Signatory: 
Howard Varner, Laboratory Director
Irma Faszewski, Quality Assurance Coordinator
David Xu, MS, Senior Chemist
Feng Jiang, MS, Senior Geologist
Michael A. Mueller, Quality Assurance Manager

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER: 42-4515 B
EHS PROJECT #: 11-04-1494
PROJECT: US Army Reserve Center-Amityville; Building #3

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND NAD = no asbestos detected
 SCF = suspected ceramic fibers

plm1.dot/29OCT2004/ MR

-- PAGE 02 of 02 -- END OF REPORT --



Building 4 - Storage Building (former garage)
Amityville Armed Forces Reserve Center - Amityville, NY (NY002)

US ARMY RESERVE CENTER - AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

BUILDING 4: Storage Building (Former Garage)

1. DESCRIPTION:

Building 4 is a 1,600 square-foot building constructed in 1950. It is a concrete block structure with a tar & gravel roof. The following information was identified during the survey and from the analysis of the samples taken:

- Two homogeneous areas were identified during the initial survey.
- No homogeneous areas were assumed to contain asbestos.
- Two of the homogeneous areas were suspected to contain asbestos and sampled to confirm.
- One of the suspected homogeneous areas was confirmed to contain asbestos.
- One of the suspected homogenous areas did not contain asbestos.

2. FINDINGS:

Two homogeneous areas with suspected ACM were identified. Four samples were collected and analyzed. Sample results are summarized in the Laboratory Test Results table in this section. Friable asbestos was not found in any homogeneous areas.

Confirmed ACM. The following homogeneous areas sampled were confirmed to contain asbestos:

- H-1: MISC, SHEETROCK/MUD, White, was Non-friable and Not Damaged.

Asbestos Free. Asbestos was not detected in the following homogeneous areas:

- H-2: MISC, ROOFING, TAR AND GRAVEL, Black

Assumed ACM. The following homogeneous areas were assumed to contain asbestos: **NONE**

3. OBSERVATIONS: NONE

4. RECOMMENDED ABATEMENT ACTIONS:

Recommended actions for the following homogeneous areas:

- H-1: MISC, SHEETROCK/MUD, White: **O&M**

US ARMY RESERVE CENTER - AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE:

Operations and Maintenance (O&M) recommendations for confirmed and assumed homogeneous materials of ACM are found in the *Operations & Maintenance Table* of this report. The materials listed below should be maintained following the guidelines in the O&M Plan during regular maintenance and small-scale repair activities, until removed.

MISC SHEETROCK/MUD is Confirmed, Non-friable ACM.

H-1 (SHEETROCK/MUD, White) is located in Rooms 101, 102 & 103.

BUILDING SUMMARY TABLE

US ARMY RESERVE CENTER - AMITYVILLE ASBESTOS BUILDING INSPECTION

Building No. 4

H- No	ACM Y,N,A	Material Description	Quantity	Rating	Fria- bility	Con- d	% D	Recommended Action	Abate Cost	Comments
1	Y	Misc, SHEETROCK/MUD, White <small>Rooms 101, 102, 103</small>	400 SF	9	Non	PD	0.0	O&M		Joint compound contains asbestos.
2	N	Misc, ROOFING, TAR AND GRAVEL, Black <small>Rooms Roof</small>	SF	0						

Note: Asbestos abatement cost estimates are not included in this report.

H-No= Homogenous Area Number, ACM= Asbestos Containing Material: Y=Yes, N= No, A= Assumed, TSI= Thermal System Insulation, Misc= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Condition: PD= Potential for Damage, D= Damaged, SD= Significantly Damaged, Recommended Action: O&M= Operation and Maintenance

**LABORATORY TEST
RESULTS TABLE**

**US ARMY RESERVE CENTER - AMITYVILLE
ASBESTOS BUILDING INSPECTION
INDUSTRIAL LABORATORY TEST REPORT**

Building No. 4

Hom. Area No.	ASB Y/N	Sample Number	Room Number	Material Description:	Date Sampled	Date Analyzed	Sample Results	Percent Asbestos
1	YES	Amityville-017	102	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	Chrysotile	2%
1	YES	Amityville-018	102	Misc, SHEETROCK/MUD, White	11/01/04	11/11/04	Chrysotile	2%
2	NO	Amityville-019	Roof	Misc, ROOFING, Black	11/01/04	11/11/04	No Asbestos Detected	0%
2	NO	Amityville-020	Roof	Misc, ROOFING, Black	11/01/04	11/11/04	No Asbestos Detected	0%

TEST METHOD: Method for the determination of Asbestos in bulk building materials (EPA/600/R-93/116) DETECTION LIMIT: 1%

**OPERATIONS AND
MAINTENANCE TABLE**

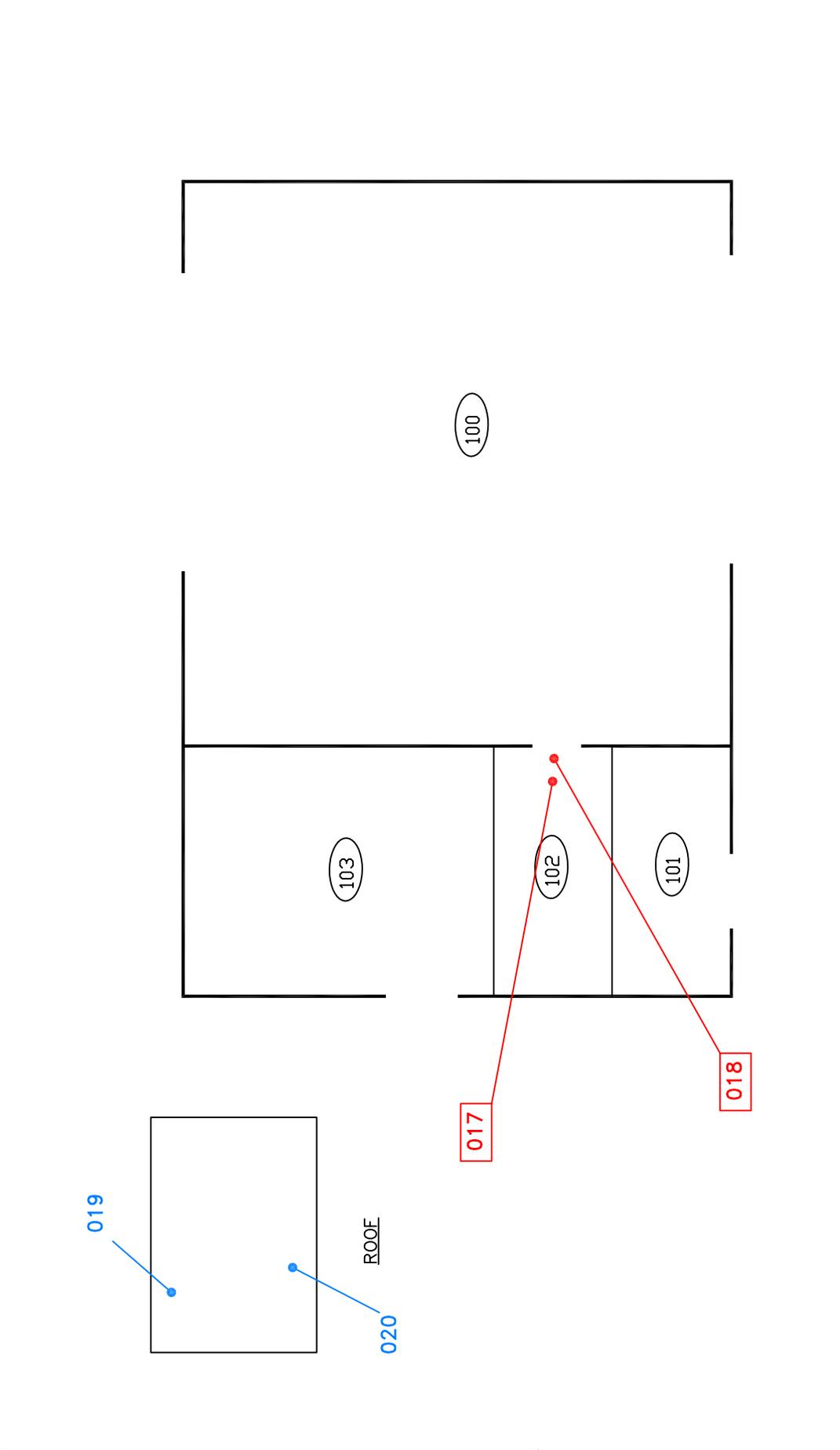
**US ARMY RESERVE CENTER - AMITYVILLE
ASBESTOS BUILDING INSPECTION**

O&M

Bldg. No.	Homo No.	Material Description	Quantity	Rat- ing	Fria- bility	Condition	% D	Recommended Action
4	1	Misc, SHEETROCK/MUD, White	400 SF	9	Non	Not Damaged	0.00	O&M

Locations: Rooms 101, 102, 103

Homo No= Homogenous Area Number, ACM= Asbestos Containing Material, TSI= Thermal System Insulation, MISC= Miscellaneous, Quantity: SF= Square Footage, LF= Linear Feet, Friability: Mod= Moderate, Non= Non-Friable, Recommended Action: O&M= Operation and Maintenance, Refer to the Section III Operations and Maintenance Plan for standard O&M and Repair procedures.



LEGEND

- XXX --- Indicates unique room number assigned by inspector
- XXX --- Indicates sample locations which tested positive for asbestos

ENVIRONMENTAL ENTERPRISE GROUP, INC. 1345 Barracks Rd. NORTH CHARLESTON, SOUTH CAROLINA 29405			
ASBESTOS SAMPLE LOCATIONS BUILDING 4 ARC AMITYVILLE (NY002) AMITYVILLE NEW YORK			
DATE 1-12-05	PREPARED BY M. MOLTZEN	DRAWN BY L. C. DIASIO	REV -
SCALE NONE	DWG NUMBER ee9inc_NY002-b4_10-04		SHEET 1 OF 1



ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 WHITE PINE ROAD - RICHMOND, VA 23237

804-275-4788 FAX 804-275-4907

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: Environmental Enterprise Group, Inc.
1345 Barracks Road
North Charleston, SC 29405

DATE OF RECEIPT: 10 NOV 2004
DATE OF ANALYSIS: 11 NOV 2004
DATE OF REPORT: 12 NOV 2004

CLIENT NUMBER: 42-4515 B
EHS PROJECT #: 11-04-1488
PROJECT: US Army Reserve Center-Amityville; Building #4

EHS SAMPLE #	CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01	ARC-Amityville-017/ Gray Powder	Trace, <1% Chrysotile ★ <1% Total Asbestos ★2% chrysotile present in joint compound.	20% Cellulose 80% Non-Fibrous
02	ARC-Amityville-018/ Gray Powder	Trace, <1% Chrysotile ★ <1% Total Asbestos ★2% chrysotile present in joint compound.	20% Cellulose 80% Non-Fibrous
03	ARC-Amityville-019/ Black Tar-Like	NAD	3% Cellulose 2% Fibrous Glass 95% Non-Fibrous
04	ARC-Amityville-020/ Black Tar-Like	NAD	3% Cellulose 2% Fibrous Glass 95% Non-Fibrous

QC SAMPLE: M2-1998-2

QC BLANK: SRM 1866 Fiberglass

REPORTING LIMIT: 1% Asbestos

METHOD: Polarized Light Microscopy, EPA Method 600/R-93/116 *

ANALYST: Christian H. Schaible

Reviewed By Authorized Signatory: _____

Howard Varner, Laboratory Director

Irma Faszewski, Quality Assurance Coordinator

David Xu, MS, Senior Chemist

Feng Jiang, MS, Senior Geologist

Michael A. Mueller, Quality Assurance Manager

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER: 42-4515 B
EHS PROJECT #: 11-04-1488
PROJECT: US Army Reserve Center-Amityville; Building #4

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

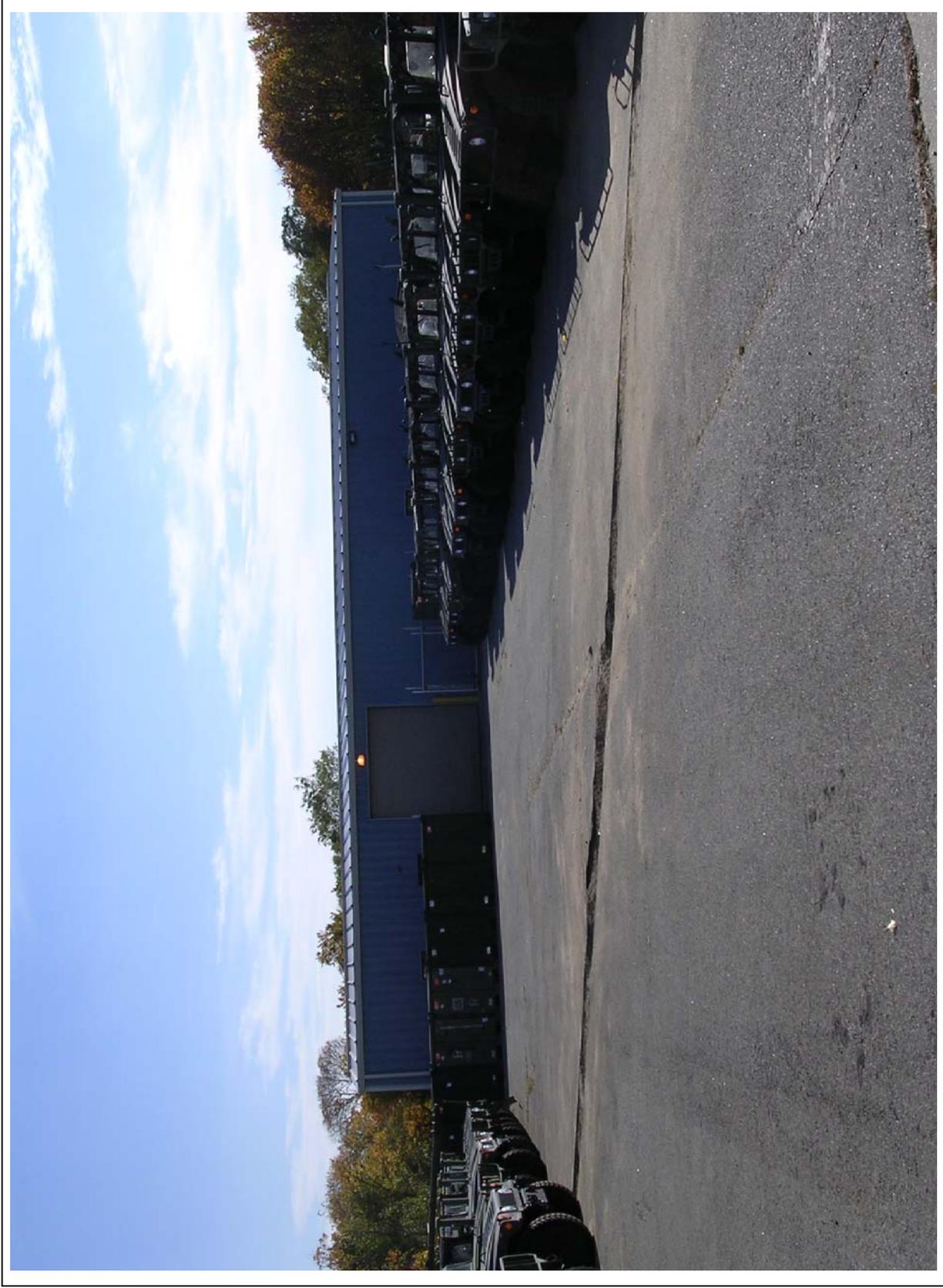
Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND NAD = no asbestos detected
 SCF = suspected ceramic fibers

plm1.dot/29OCT2004/ MR

-- PAGE 02 of 02 -- END OF REPORT --



Building 5 - Storage Building
Amityville Armed Forces Reserve Center - Amityville, NY (NY002)

US ARMY RESERVE CENTER – AMITYVILLE, NY
ASBESTOS INSPECTION REPORT

BUILDING 5: Storage Building

1. DESCRIPTION:

Building 5 is a 4,000 square-foot building constructed in 2000. It is a metal-framed structure with metal siding and roofing. **Inspection of this building revealed no suspected asbestos containing materials.** The following information was identified during the survey:

- No homogeneous areas were identified during the initial survey.
- No homogeneous areas were assumed to contain asbestos.

2. FINDINGS:

No homogeneous areas with suspected ACM were identified. No samples were collected or analyzed.

3. OBSERVATIONS: NO SUSPECT MATERIALS FOUND

4. RECOMMENDED ABATEMENT ACTIONS: NONE

5. RECOMMENDATIONS FOR OPERATIONS AND MAINTENANCE: NONE



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
5158 BLACKHAWK ROAD
ABERDEEN PROVING GROUND, MARYLAND 21010-5422

11 FEB 1998

MCHB-TS-EGW(40)

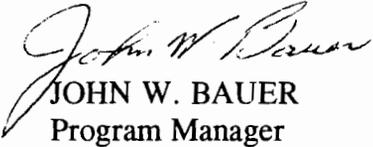
MEMORANDUM FOR Commander, 77th Regional Support Command Engineers,
ATTN: AFRC-CNY-EN (Richard Buckey) Fort Totten,
New York 11359-1016

SUBJECT: Geohydrologic Study No. 38-EH-6746-97, USARC-Amityville, Amityville, New
York, 16-22 July 1997

Four copies of the report with Executive Summary are enclosed.

FOR THE COMMANDER:

Encl


JOHN W. BAUER
Program Manager
Ground Water and Solid Waste

CF (w/encl.):
HQDA(DAIM-ED)
USACPW, ATTN: CECPW-ES
CDR, MEDCOM, ATTN: MCHO-CL-W
CDR, USARCOM, ATTN: AFRC-ENV-RC
CDR, NARMC
CDR, WRAMC, ATTN: PVNTMED SVC
CDR, MEDDAC, FT MEADE, ATTN: PVNTMED SVC(2cy)
CDR, USAEC, ATTN: SFIM-AEC-EQ
CDR, DSA-N

Readiness thru Health

U.S. Army Center for Health Promotion and Preventive Medicine

U

S



GEOHYDROLOGIC STUDY NO. 38-EH-6746-97
USARC-AMITYVILLE
AMITYVILLE, NEW YORK
16-22 JULY 1997

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P

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Distribution limited to U.S. Government agencies only; protection of privileged information evaluating another command; Feb 98. Requests for this document must be referred to U.S. Army Reserve Command, ATTN: AFRC-ENV-RC, 3800 North Camp Creek Parkway SW, Atlanta, GA 30331-5099.

M

Readiness Thru Health

U.S. Army Center for Health Promotion and Preventive Medicine

The lineage of the U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) can be traced back over 50 years. This organization began as the U.S. Army Industrial Hygiene Laboratory, established during the industrial buildup for World War II, under the direct supervision of the Army Surgeon General. Its original location was at the Johns Hopkins School of Hygiene and Public Health. Its mission was to conduct occupational health surveys and investigations within the Department of Defense's (DOD's) industrial production base. It was staffed with three personnel and had a limited annual operating budget of three thousand dollars.

Most recently, it became internationally known as the U.S. Army Environmental Hygiene Agency (AEHA). Its mission expanded to support worldwide preventive medicine programs of the Army, DOD, and other Federal agencies as directed by the Army Medical Command or the Office of The Surgeon General, through consultations, support services, investigations, on-site visits, and training.

On 1 August 1994, AEHA was redesignated the U.S. Army Center for Health Promotion and Preventive Medicine with a provisional status and a commanding general officer. On 1 October 1995, the nonprovisional status was approved with a mission of providing preventive medicine and health promotion leadership, direction, and services for America's Army.

The organization's quest has always been one of excellence and the provision of quality service. Today, its goal is to be an established world-class center of excellence for achieving and maintaining a fit, healthy, and ready force. To achieve that end, the CHPPM holds firmly to its values which are steeped in rich military heritage:

- ★ *Integrity is the foundation*
 - ★ *Excellence is the standard*
 - ★ *Customer satisfaction is the focus*
 - ★ *Its people are the most valued resource*
 - ★ *Continuous quality improvement is the pathway*

This organization stands on the threshold of even greater challenges and responsibilities. It has been reorganized and reengineered to support the Army of the future. The CHPPM now has three direct support activities located in Fort Meade, Maryland; Fort McPherson, Georgia; and Fitzsimons Army Medical Center, Aurora, Colorado; to provide responsive regional health promotion and preventive medicine support across the U.S. There are also two CHPPM overseas commands in Landstuhl, Germany and Camp Zama, Japan who contribute to the success of CHPPM's increasing global mission. As CHPPM moves into the 21st Century, new programs relating to fitness, health promotion, wellness, and disease surveillance are being added. As always, CHPPM stands firm in its commitment to Army readiness. It is an organization proud of its fine history, yet equally excited about its challenging future.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
5158 BLACKHAWK ROAD
ABERDEEN PROVING GROUND, MARYLAND 21010-5422

EXECUTIVE SUMMARY
GEOHYDROLOGIC STUDY NO. 38-EH-6746-97
USARC-AMITYVILLE
AMITYVILLE, NEW YORK
16-22 JULY 1997

1. **PURPOSE.** Our purpose in performing this geohydrologic study was to determine the presence or absence of any contamination that may be harmful to human health and the environment. The study was designed to find any contamination from past activities at USARC-Amityville that might exist in the soil or ground water.
2. **CONCLUSION.** No contamination that would be harmful to human health or the environment was found at the USARC-Amityville.
3. **RECOMMENDATION.** No further action is necessary.

Readiness thru Health

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Geohydrologic Study No. 38-EH-6746-97, 16-22 July 1997

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REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
6168 BLACKHAWK ROAD
ABERDEEN PROVING GROUND, MARYLAND 21010-5422

MCHB-TS-EGW

GEOHYDROLOGIC STUDY NO. 38-EH-6746-97
USARC-AMITYVILLE
AMITYVILLE, NEW YORK
16-22 JULY 1997

- I. REFERENCES. Appendix A provides a list of references.
- II. AUTHORITY. Telephone Conversation between Mr. Steve Barton, USARC, and Mr. John Bauer and Mr. Wayne Fox, USACHPPM, 15 November 1996, subject: Environmental Assessment Surveys at Reserve Centers.
- III. PURPOSE. Our purpose in performing this geohydrologic study was to determine the presence or absence of any contamination that may be harmful to human health and the environment. The study was designed to find any contamination from past activities at USARC-Amityville that might exist in the soil or ground water.
- IV. GENERAL.
- A. Personnel Contacted. Appendix B contains a list of personnel contacted.
- B. Personnel Conducting the Study.
1. Mr. Thomas S. Meckelnburg, Geohydrologist, Project Manager, USACHPPM.
 2. Mr. Rocky W. Hoover, Engineering Technician, USACHPPM.
- C. Site Description and Operational History of USARC-Amityville.
1. Location. USARC-Amityville is in Suffolk County on Long Island, New York. It is at the northern end of the Amityville incorporated area, near Farmingdale. The coordinates of the installation are between 73°23'47" and 73°23'58" longitude, and 40°42'27" and 40°42'33" latitude. Figure 1 shows the general location of USARC-Amityville. Figure 2 shows the installation and the sampling locations.

Use of company names does not imply endorsement by the U.S. Army
but is intended only to assist in identification of a specific product.

Readiness thru Health

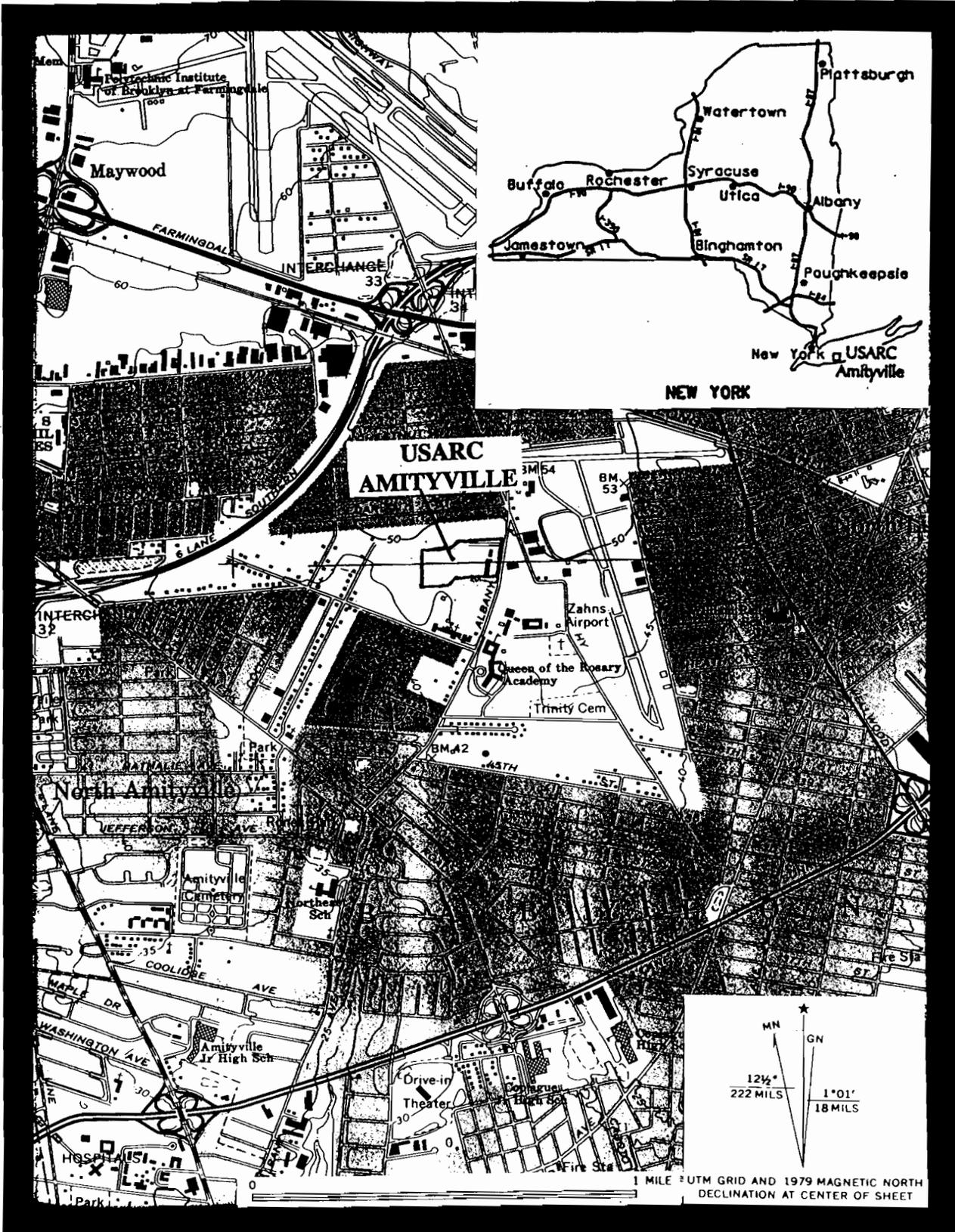
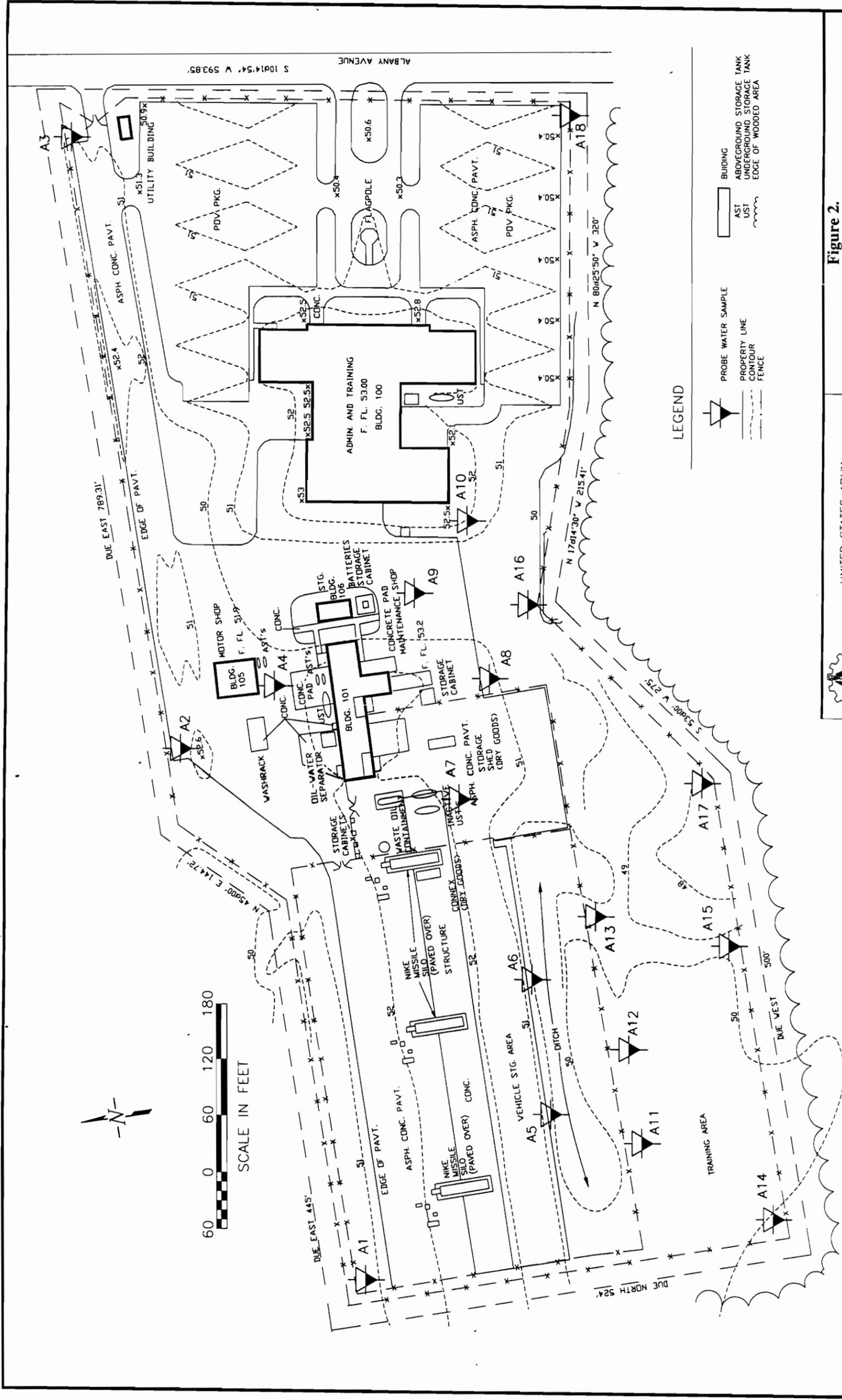


Figure 1. Location of USARC-Amityville.



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 AND PREVENTIVE MEDICINE
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Figure 2.
Sampling Locations at
USARC-Amityville.

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2. Installation Description. The site is approximately 16 acres and is relatively flat. It is between 48 and 53 feet above mean sea level.

3. Site History. The site was developed as a Nike missile launch facility in the mid-1950s. Prior to this, the site was either agricultural or undeveloped. Although no documentation was found during the Environmental Assessment Survey (reference 1), most Nike sites were deactivated by 1970. This site probably became a reserve center soon after. Activities that may have caused environmental contamination are described with their specific site in section V.

4. Current Use. The installation is used by the U.S. Army Reserve 306th Engineers, the Marine Reserves, and the Navy Reserves. Navy Reserves only have office oriented work. Both Army and Marine Reserves have vehicle storage and maintenance operations. Vehicle maintenance is done in Building 101.

5. Land Use Adjacent to Installation. The land use surrounding the installation is a mix of residential and business properties. To the east, across Albany Avenue are businesses. To the south and west is an undeveloped lot. A new recreational center is being built on the north side. It is about 230 feet to the nearest residence. It is 1.3 miles to the nearest day care center, Bethel Day Care at 20 Simmons Street, Copiague. Our Lady of Consolation Home for the Aged is about 350 feet south of the USARC.

D. Environmental Setting.

1. Climate. The average high temperature in July, the hottest month, is 81.1°F at MacArthur Airport. The average low temperature in the coldest month, January, is 23.9°F. At Farmingdale, the average annual rainfall is 46.3 inches (reference 2).

2. Surface-Water Hydrology. This location does not have overland drainage due to the high infiltration rate. A portion of the ground water will eventually discharge to Neguntalogue Creek, which flows to the south southeast. Discharge for both surface and ground water would ultimately be the Atlantic Ocean. Surface water is not used as a drinking water source.

3. Geology. Long Island "is not much more than a ridge, or blanket, of direct glacial and glacial outwash sediments that almost completely conceal the underlying Cretaceous sedimentary bedrock. Long Island topography, therefore, is glacial topography, with little or no influence from the underlying, erosionally-reduced Cretaceous strata (reference 3)." The glacial till at the installation consists of poorly sorted sands and gravel up to 3 inches in diameter. Long Island is part of the broader Atlantic Coastal Lowlands Physiographic Province that stretches north and south along the east coast (reference 3).

4. Geohydrology.

a. Aquifers. The uppermost aquifer at the installation ranges from about 15 feet to about 100 feet depth. This aquifer is hydraulically connected to the underlying Magothy Aquifer. The Magothy extends from about 100 feet below the surface to 800 feet below the surface. Below this is the Loyd Aquifer, which is also hydraulically connected. All of the aquifers are in glacial deposits.

b. Wells. Seventeen well fields are within 4 miles of the USARC-Amityville. Six of the well fields are downgradient of the installation. Yields were not available for the uppermost aquifer. Wells in the Magothy generally had pumping rates around 1200 gallons per minute (gpm) with a high of 2400 gpm and a low of 700 gpm.

V. DESCRIPTION, OPERATIONAL HISTORY, AND WASTE CHARACTERISTICS OF SITES OF ENVIRONMENTAL CONCERN AT USARC-AMITYVILLE. The following sections are descriptions of sites investigated during this geohydrologic study that may be of environmental concern.

A. Underground Storage Tanks.

1. Location. Table 1 has the locations of the underground storage tanks (USTs) at USARC-Amityville.

2. Site Description. All of the USTs are fiberglass reinforced plastic. The two heating oil USTs are double walled. The rest are single walled.

3. Operational History and Waste Characteristics. Table 1 lists the age and contents of the USTs. The County of Suffolk Department of Health Services recently notified the installation that the USTs were out of compliance (reference 4). Personnel reported spillage of heating oil during UST filling. The gasoline and diesel fuel tanks were reportedly not used and are scheduled for removal.

B. Aboveground Storage Tanks.

1. Location. Aboveground storage tanks (ASTs) were used for heating oil prior to the installation of the USTs. An empty, unused AST was next to Building 100. Two ASTs remain installed at Building 105. Building 111 was demolished, but the AST is sitting in the Training Area on the southwest side of the installation.

Table 1. Underground Storage Tank Inventory. Report date is 30 October 1996.

Location or Adjacent Building	Tank Identification	Capacity	Dates of Use	Contents of UST
Building 100	Unregistered	4000-gallon	1989-present	Heating Oil
Building 101	Unregistered	1000-gallon	1995-present	Heating Oil
Building 101	Unregistered	550-gallon	1985-present	Used Oil
Building 101	Unregistered	1000-gallon	1985-present	Diesel Fuel/Never Used/Empty
Building 101	Unregistered	1000-gallon	1985-present	Gasoline/Never Used/Empty

2. Site Description. Each AST had a capacity of 250 gallons. They appeared to be empty. The two ASTs by Building 105 were still in place. The one by Building 100 had been disconnected and placed on its end. No evidence of spills or leaks was present.

3. Operational History and Waste Characteristics. The ASTs were probably installed when the buildings were built. They were taken out of service when the USTs were installed. Heating oil is the contaminant of concern.

C. Organizational Maintenance Shop.

1. Location. Both the Army and Marine Reserves have Organizational Maintenance Shops (OMS) in Building 101.

2. Site Description. Building 101 has four vehicle bays and office space at the east and west ends of the building. Flammable materials are stored south of the building in a shed designed to hold hazardous materials. Petroleum products, scrap materials, and batteries are stored around the building. Floor drains lead to an oil/water separator, then to the sanitary sewer. The drains on the Marine side reportedly often backed up.

3. Operational History and Waste Characteristics. Building 101 has been used as an OMS since it was constructed in the mid 1980s. Possible and potential spills or leaks could have included solvents, petroleum products, and battery acid. These items were all stored outside. Except the solvents, they were without secondary containment. Scrap metal and old white goods were also stored outside. The batteries are awaiting transportation to Fort Dix.

D. Missile Assembly Building (Building 105).

1. Location. Building 105 is north of Building 101.
2. Site Description. Building 105 is a one-story, cinder-block building.
3. Operational History and Waste Characteristics.
 - a. Nike Operations. During Nike operations, this building was used for missile assembly and testing. Solvents were used for cleaning electrical contacts and assembly points. Some hydraulic fluids were spilled during the addition of hydraulic fluids to the Nike missiles (reference 5).
 - b. Current Use. Building 105 is now used for storage of dry goods.

E. Nike Missile Silos.

1. Location. Three Nike missile silos are at the west end of the installation.
2. Site Description. The missile silos have been cemented over. One air vent at the east side is still open and has water at about 10 feet. A military parking lot was built when the installation was converted to an Army Reserve Center. Heavy military vehicles are stored here along with other materials.
3. Operational History and Waste Characteristics. The silos were used to house Nike missiles from 1955 until about 1970. They have since been sealed with rebar-enforced concrete. Contamination from the silos is expected to be minimal, because little work was done in the silos and any spills would have been pumped out to the magazine sump. These sumps drained either north or south to the side of the silo mound. Any contamination would most likely be at the outlets for the sump drains. (At some Nike sites, hydraulic fluid from lifts was allowed to drain in the silo before they were removed. Polychlorinated biphenyls may have been in the hydraulic fluid.)

F. Nike Missile Fueling Station.

1. Location. The Nike missile fueling station was south of Building 101.
2. Site Description. The fueling station and acid neutralization pit have been removed.

3. Operational History and Waste Characteristics. During Nike operations, missile service included fueling, defueling, and the addition and change out of missile constituents. Contaminants of concern include liquid fuel, unsymmetrical dimethyl hydrazine (UDMH), aniline, and inhibited red fuming nitric acid (IRFNA) (reference 5). Excess or waste materials may have been dumped in the acid neutralization pit. Battery acids and solvents may have also been dumped in the neutralization pit. Lead contamination from battery acid is a concern.

G. Wash Rack.

1. Location. The wash rack is west of Building 105.

2. Site Description. The wash rack consists of a concrete pad with a low berm. It has a central drain that leads to the oil/water separator. Grass is growing at the seam between the wash rack and the asphalt parking lot.

3. Operational History and Waste Characteristics. The wash rack is no longer used. Contaminants of concern are metals and petroleum hydrocarbons.

H. Military Vehicle Parking Area.

1. Location. The Military Vehicle Parking Area is at the northwest corner of the installation. This is also the location of the Nike missile silos.

2. Site Description. Heavy vehicles are parked on asphalt. Scrap and surplus metal and materials are stored at the east end. Scrap metal was also discarded around the parking area.

3. Operational History and Waste Characteristics. Vehicles have been stored in this parking area since the installation became an Army Reserve Center. They are taken off post for refueling. The lot is not bermed, so any spills or leaks of petroleum products could easily reach the environment. Personnel were reportedly good about putting sorbant down on spills and leaks.

I. Training Area.

1. Location. The training area is at the southwest corner of the installation.

2. Site Description. This area is mostly grass covered with areas that have been bulldozed. Field antennas were set up during the site visit. The demolition debris from Building 111 is still there along with some other waste, such as tires.

3. Operational History and Waste Characteristics. Use of this area is not documented. Wastes include building debris, tires, tree limbs, and logs.

J. Nike Missile Operations Generator Building (Building 106).

1. Location. Building 106 is between Buildings 100 and 101.

2. Site Description. Building 106 is a small, one-story, cinder-block building.

3. Operational History and Waste Characteristics.

a. During Nike Operations. This building was constructed during the mid-1950s. The building housed an electrical generator that was probably powered by diesel fuel (reference 5). The generator would have been tested monthly. Contamination is expected to be minimal. Occasional diesel fuel spills possibly occurred.

b. Current Operations. Currently, it is used for storage. Batteries stored in the building include magnesium, lithium, and alkaline batteries. The probability of a release is unlikely, because the floor is sealed and the quantity of hazardous materials is small.

VI. ENVIRONMENTAL SAMPLING.

A. Summary of Work Completed. Eighteen ground-water samples were taken from Geoprobe® boreholes at the USARC-Amityville in July 1997. Two duplicate samples were also taken. Soil samples were taken from seven of the boreholes for grain-size analysis. Drilling and sampling methods are described in Appendix C. Boreholes were backfilled with bentonite after sampling was completed.

B. Field Study Description and Rationale.

1. Soil Sampling.

a. Rationale. Twenty-one soil samples were collected for physical analysis. Fourteen samples were analyzed for grain size and seven were analyzed for permeability. Samples were taken from boreholes at the four corners and from the center of the installation. Boreholes sampled include A1, A2, A3, A9, A14, A16, and A18. In each borehole, a sample was collected from near the surface and near the watertable for grain-size analysis. A sample for permeability was collected from between the grain-size samples.

®Geoprobe is a registered trademark of DEJR Engineering Inc., Salina, Kansas.

b. Descriptive Analysis. The samples will detect any vertical or lateral variability in the soil. Boreholes A1, A3, A9, A14, and A18 were sampled continuously for descriptive purposes. Logs of these boreholes are in Appendix D. Logs were not taken for other boreholes that were only for ground-water sampling.

2. Ground-Water Sampling.

a. Rationale. Eighteen ground-water samples were taken throughout the installation from temporary Geoprobe wells. A summary of the well installations and water levels is in Appendix E. The uppermost aquifer was sampled to determine whether any contamination had reached the aquifer. Purging and Sampling logs are in Appendix F. No soil samples were taken because evidence of surface spills or contamination was absent. The watertable is shallow and the soil is highly permeable, which would allow any contamination to quickly reach the uppermost aquifer.

(1) Background Well Locations. The ground water was anticipated to flow in a southerly direction. It was found to flow south to southeast (Figure 3). Three temporary background wells, A1, A2, and A3, were drilled along the northern border to determine whether any offpost activities had affected the ground-water quality.

(2) Downgradient Well Locations. Geoprobe holes were drilled downgradient of suspected sources of contamination. Each potential source of contamination is listed below with the wells that address that unit.

(a) Underground Storage Tanks. Temporary wells A7, A8, A9, and A16 are downgradient from the USTs at Building 101. Temporary well A10 is close to the heating oil UST at Building 100, but not downgradient of it.

(b) Aboveground Storage Tanks. Temporary well A10 is downgradient of the AST that was at Building 100. The ASTs at Buildings 101 and 105 are upgradient of temporary wells A4, A8, A9, and A16. Any contamination from the AST at Building 111, formerly at the east end of the training area, would be detected by well A17.

(c) Organizational Maintenance Shop. Temporary wells A7, A8, A9, and A16 are downgradient of the OMS, Building 101.

(d) Missile Assembly Building (Building 105). If contamination originated at Building 105, it would be detected in temporary well A4. Temporary wells A8, A9, and A16 are farther downgradient.

(e) Nike Missile Silos. Immediately downgradient of the old Nike Missile Silos are temporary wells A5 and A6. Farther downgradient are temporary wells A11, A12, A13, A14, A15, and A17.

(f) Nike Missile Fueling Station. The wells downgradient of the old Nike Missile Fueling Station are A8 and A16.

(g) Wash Rack. Any wash rack contamination would be detected in temporary well A4 and, farther downgradient, temporary wells A8, A9, and A16.

(h) Military Vehicle Parking Area. The Military Vehicle Parking area is covered by the same wells as the Nike missile silos, temporary wells A5 and A6, with temporary wells A11, A12, A13, A14, A15, and A17 farther downgradient.

(i) Training Area. If any spills occurred in the Training Area, they would be detected in temporary wells A14, A15, and A17.

(j) Nike Missile Operations Generator Building (Building 106). Any contamination that might have come from Building 106 would be detected in temporary wells A9, A10, and A16.

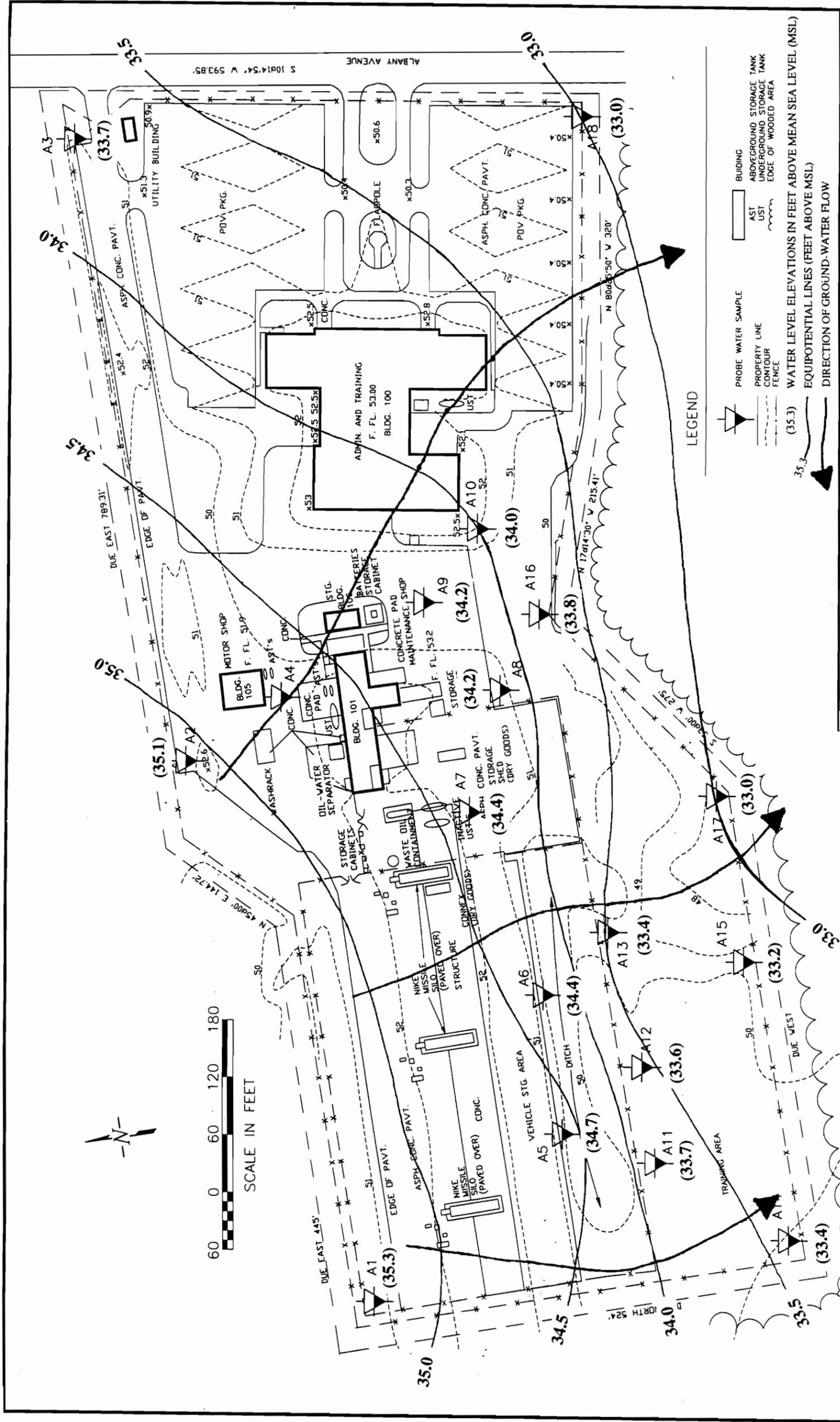
(k) Quality Control Samples. Field duplicate samples were taken from temporary wells A7 and A8. One temperature control blank was shipped in each cooler used to ship water samples during this project.

b. Analytes. Analytical results are presented in Appendix G and summarized in Table 2.

(1) Laboratory Analyses. Samples were analyzed for volatile organic compounds (VOC), dissolved metals, and total petroleum hydrocarbons (TPH). The sample container for TPH at well A2 was broken, so no TPH value is known for this background well.

(2) Field Analyses. Field analyses include pH, temperature, dissolved oxygen, and conductivity.

C. Results of Chemical Analyses and Discussion. The chemical data are presented in the following paragraphs. Data are compared with background concentrations and applicable drinking water. Samples are considered to have a high concentration of an analyte if the concentration of the analyte is an order of magnitude greater than the background concentration



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Figure 3.
The Potentiometric Surface at
USARC-Amityville.

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or if the concentration is higher than an applicable regulatory standard. Sources of contamination are also discussed. A comprehensive list of parameters and detection limits is provided in Appendix G.

1. Soil. All of the following samples were collected during this project (Table 2). Samples were collected on 17 through 21 July 1997.

a. Permeability. The remolded permeability of four samples from the site was very high. Values were between 10^{-2} and 10^{-4} cm², which are typical of very clean sands and gravels (Appendix H).

b. Grain Size. The soil consists mostly of sand. Twenty-nine samples were analyzed for grain size. The size grade scale is based on the scale developed by the U.S. Army Corps of Engineers. The percentage of sand ranged from 52.2% to 99.4% with an average of 87.6% (Appendix I).

2. Ground-Water. All of the following samples were collected during this project (Table 2). Samples were collected on 17 through 21 July 1997.

a. Field Measurements. The following measurements were taken on a ground-water sample removed from the temporary wells at the time of sampling.

(1) Temperature. Temperatures ranged from 15.7°C to 19.5°C. Temperatures tended to be higher in areas of low flow and lower in areas of high infiltration.

(2) pH. The pH ranged from 4.5 to 5.7. This is similar to the pH of rainwater, which is about 5.6 or lower.

(3) Dissolved Oxygen. Dissolved oxygen levels were somewhat depressed downgradient of the parking areas. This may indicate that some petroleum contamination from the parking areas is being degraded. It also may be due to the lack of infiltration under the parking areas to replenish oxygen that is being naturally depleted.

(4) Conductivity. Conductivity of the samples did not vary much. The lowest conductivity was 52.6 μ S and the highest conductivity was 227.2 μ S. These variations are most likely natural.

Table 2. Summary of Chemical Analyses for Ground-Water Samples at USARC-Amityville. Only parameters that were detected are included.

Field Id Lab ID Sample Date	Maximum Contaminant Level	A1 E7460 17 July 97	A2 E7461 18 July 97	A3 E7462 18 July 97	A4 E7463 19 July 97	A5 E7464 19 July 97	A6 E7465 19 July 97	A7 E7516 21 July 97	A20* E7521 21 July 97
Field Measurements:									
Temperature (°C)	†	16.0	16.0	18.6	17.6	17.9	18.4	19.5	n/a
pH	6.5-8.5†	5.6	5.3	4.9	4.5	5.2	5.0	4.8	n/a
Dissolved Oxygen (ppm)	†	9.7	11.4	13.0	11.0	6.0	6.4	8.3	n/a
Conductivity (µS)	†	148.3	176.6	178.0	110.6	177.8	143.3	101.1	n/a
Volatile Organic Compounds (µg/L):									
Trichlorofluoromethane	†	bdl							
Chloroform	0.1§	bdl							
Dissolved Metals (mg/L):									
Antimony	0.006	bdl	0.0020	bdl	bdl	bdl	bdl	bdl	0.0025
Barium	2	0.035	0.022	0.046	0.035	0.058	0.059	0.032	0.029
Selenium	0.05	bdl							
Zinc	5†	0.037	bdl	bdl	0.051	bdl	bdl	bdl	0.020
Chromium	0.1	0.0025	0.0032	0.0041	0.0036	0.0028	0.0043	0.0037	0.004
Nickel	0.1	0.066	0.0057	0.011	0.017	0.0058	0.025	0.0056	0.0064
Total Petroleum Hydrocarbons (mg/L):	†	0.21	n/a	0.91	0.21	bdl	bdl	bdl	0.34

Table 2 Continued. Summary of Chemical Analyses for Ground-Water Samples at USARC-Amityville.

Field ID Lab ID Sample Date	A8 E7466 19 July 97	A19* E7473 19 July 97	A9 E7467 20 July 97	A10 E7468 20 July 97	A11 E7469 20 July 97	A12 E7470 20 July 97	A13 E7471 20 July 97	A14 E7517 21 July 97	A15 E7472 20 July 97
Field Measurements:									
Temperature (°C)	17.9	n/a	17.6	17.3	16.1	16.7	16.3	16.6	15.7
pH	4.7	n/a	5.6	5.5	5.6	5.4	5.5	5.6	5.5
Dissolved Oxygen (ppm)	9.4	n/a	11.0	8.6	8.4	7.5	6.6	10.2	9.0
Conductivity (µS)	128.9	n/a	128.7	52.6	221.6	150.1	158.6	215.6	128.8
Volatile Organic Compounds (µg/L):									
Trichlorofluoromethane	bdl	bdl	bdl	bdl	bdl	bdl	bdl	2.2	bdl
Chloroform	bdl	bdl	bdl	bdl	bdl	bdl	bdl	bdl	bdl
Dissolved Metals (mg/L):									
Antimony	bdl	bdl	bdl	bdl	0.0022	bdl	bdl	bdl	bdl
Barium	0.040	0.043	0.058	0.012	0.057	0.034	0.035	0.038	0.035
Selenium	bdl	bdl	0.002	bdl	bdl	bdl	bdl	bdl	bdl
Zinc	bdl	bdl	bdl	bdl	bdl	bdl	bdl	bdl	bdl
Chromium	0.0058	0.0033	0.0021	bdl	0.0032	0.0027	0.0030	0.0045	0.0024
Nickel	0.030	0.036	0.0064	bdl	0.011	0.0057	0.0073	bdl	bdl
Total Petroleum Hydrocarbons (mg/L):	bdl	bdl	bdl	0.50	bdl	bdl	bdl	bdl	bdl

Table 2 Continued. Summary of Chemical Analyses for Ground-Water Samples at USARC-Amityville.

Field ID Lab ID Sample Date	A16 E7518 21 July 97	A17 E7519 21 July 97	A18 E7520 21 July 97
Field Measurements:			
Temperature (°C)	16.4	18.5	17.5
pH	5.3	5.6	5.7
Dissolved Oxygen (ppm)	6.9	11.1	8.9
Conductivity (µS)	153.6	82.9	227.2
Volatile Organic Compounds (µg/L):			
Trichlorofluoromethane	bdl	bdl	bdl
Chloroform	bdl	bdl	2.0J
Dissolved Metals (mg/L):			
Antimony	0.0043	bdl	0.0020
Barium	0.047	0.015	0.035
Selenium	bdl	bdl	bdl
Zinc	bdl	bdl	bdl
Chromium	0.0023	0.0022	0.0049
Nickel	0.0061	0.0066	0.0063
Total Petroleum Hydrocarbons (mg/L):	bdl	bdl	bdl

Table 2 Continued. Summary of Chemical Analyses for Ground-Water Samples at USARC-Amityville.

Notes:

- * Sample A19 is a duplicate of A8; sample A20 is a duplicate of A7
- + No standards or criteria have been set.
- ‡ National Secondary Drinking Water Regulation maximum contaminant level.
- § Sum of the concentration of bromodichloromethane, dibromochloromethane, tribromomethane (bromoform), and trichloromethane (chloroform).
- B Indicates that analyte was found in the associated blank as well as in the sample.
- bdl Below detection limit
- J Indicates reported value is an estimate below quantitative detection limits.
- n/a Indicates that the sample was not analyzed for this parameter. The TPH sample bottle for well A2 was broken during shipping.

b. Volatile Organic Compounds. Two VOCs, chloroform and trichlorofluoromethane, were detected. One was detected in each of two separate samples.

(1) Chloroform. Chloroform was detected in the sample from well A18. It was found at the detection limit of $2.0 \mu\text{g/L}$. This is a common laboratory contaminant. Well A18 was not near a potential source for this compound, so the detection is probably due to a laboratory contaminant.

(2) Trichlorofluoromethane. Trichlorofluoromethane was found in well A14, at the southwest corner of the installation. This compound is often associated with refrigeration or air-conditioning systems. A small quantity of refrigerant may have been dumped or spilled in the training area in the past. The low level of this contaminant and the limited extent of the contamination do not pose a threat to human health or the environment.

c. Dissolved Metals. Ground water was analyzed for silver, antimony, barium, cobalt, copper, lead, mercury, selenium, zinc, arsenic, beryllium, cadmium, chromium, nickel, and thallium. No metals were detected in concentrations above the National Primary Drinking Water Regulation maximum contaminant level. The concentrations of metals were consistent throughout the field area.

d. Total Petroleum Hydrocarbons. Petroleum hydrocarbons were detected at low levels in five wells. Two of the wells, A1 and A3 are background wells. Well A7 had a detection in the duplicate sample, but no detection in the other sample. New York does not have action levels for total petroleum hydrocarbons. Other states typically set action levels for TPH at 50 to 100 mg/L. All detections were less than 1 mg/L.

VII. PATHWAYS AND RECEPTORS. Contamination pathways from the sites investigated during this project are discussed in this section. Potential receptors are also discussed.

A. Ground-Water Pathways. No ground-water contaminants were detected in concentrations that would be harmful to human health and the environment.

B. Surface-Water Pathways. Due to the high permeability of the soil, no surface water drains from this area.



b. Volatile Organic Compounds. Two VOCs, chloroform and trichlorofluoromethane, were detected. One was detected in each of two separate samples.

(1) Chloroform. Chloroform was detected in the sample from well A18. It was found at the detection limit of $2.0 \mu\text{g/L}$. This is a common laboratory contaminant. Well A18 was not near a potential source for this compound, so the detection is probably due to a laboratory contaminant.

(2) Trichlorofluoromethane. Trichlorofluoromethane was found in well A14, at the southwest corner of the installation. This compound is often associated with refrigeration or air-conditioning systems. A small quantity of refrigerant may have been dumped or spilled in the training area in the past. The low level of this contaminant and the limited extent of the contamination do not pose a threat to human health or the environment.

c. Dissolved Metals. Ground water was analyzed for silver, antimony, barium, cobalt, copper, lead, mercury, selenium, zinc, arsenic, beryllium, cadmium, chromium, nickel, and thallium. No metals were detected in concentrations above the National Primary Drinking Water Regulation maximum contaminant level. The concentrations of metals were consistent throughout the field area.

d. Total Petroleum Hydrocarbons. Petroleum hydrocarbons were detected at low levels in five wells. Two of the wells, A1 and A3 are background wells. Well A7 had a detection in the duplicate sample, but no detection in the other sample. New York does not have action levels for total petroleum hydrocarbons. Other states typically set action levels for TPH at 50 to 100 mg/L. All detections were less than 1 mg/L.

VII. PATHWAYS AND RECEPTORS. Contamination pathways from the sites investigated during this project are discussed in this section. Potential receptors are also discussed.

A. Ground-Water Pathways. No ground-water contaminants were detected in concentrations that would be harmful to human health and the environment.

B. Surface-Water Pathways. Due to the high permeability of the soil, no surface water drains from this area.

C. Soil Exposure and Air Pathways. No soil samples or air samples were taken during this project. Soil staining was not evident and no odors were detected during the project that would indicate dermal or inhalation hazards.

Geohydrologic Study No. 38-EH-6746-97, 16-22 July 1997

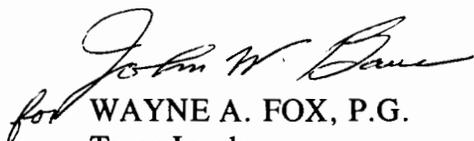
VIII. CONCLUSION. No contamination that would be harmful to human health or the environment was found at the USARC-Amityville.

IX. RECOMMENDATION. No further action is necessary.



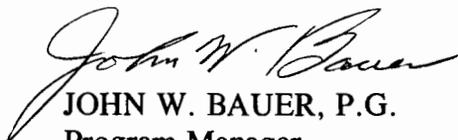
THOMAS S. MECKELNBURG
Geohydrologist
Ground Water and Solid Waste Program

REVIEWED:



for WAYNE A. FOX, P.G.
Team Leader
Compliance and Pollution Prevention
Ground Water and Solid Waste Program

APPROVED:



JOHN W. BAUER, P.G.
Program Manager
Ground Water and Solid Waste

APPENDIX A

REFERENCES

1. Memorandum, USACHPPM, MCHB-DC-EGW, 17 July 1997, subject: Environmental Assessment Survey No. 38-EH-6590-97, USARC-Amityville, Amityville, New York, 21-24 April 1997.
2. WorldClimate, <http://www.worldclimate.com/>, 15 June 1997.
3. Van Diver, Bradford B., Roadside Geology of New York, Mountain Press Publishing Company, Missoula, April 1994.
4. Letter from John A. Gladysz, Senior Public Health Sanitarian, County of Suffolk Department of Health Services, subject: SCDHS ID#: 1-1128, File Reference: 14833, Amityville AFRC, 600 Albany Avenue, Amityville, NY 11701.
5. Historical Overview of the Nike Missile System, prepared by Environmental Science and Engineering, Inc., Gainesville, Florida for the U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland, December 1984.

APPENDIX B

PERSONNEL CONTACTED

1. Stephen Barton, Restoration Program Manager, Headquarters, U.S. Army Reserve (USAR) Command, Atlanta, Georgia.
2. John Rhee, Directorate of Engineering and Housing, 77th Regional Support Command Engineers, USAR Command, Fort Hamilton.
3. Carrie Ross, Directorate of Engineering and Housing, 77th Regional Support Command Engineers, USAR Command, Fort Hamilton.
4. Richard Budkey, Directorate of Engineering and Housing, 77th Regional Support Command Engineers, USAR Command, Fort Hamilton.
5. Joe Sanquino, Facility Manager, 306th Engineer Company, USARC-Amityville.
6. 1LT Joseph Glaeser, Construction Officer, 306th Engineer Company, USARC-Amityville.
7. SGT Hill, Motor Pool, 306th Engineer Company, USARC-Amityville.
8. Store Keeper Elligott, Navy Reserves, USARC-Amityville.
9. Sal Ervoline, New York Department of Environmental Conservation.
10. Peter Schramel, Suffolk County Office of Pollution Control.
11. Edward Olsen, Suffolk County Department of Health Services.

APPENDIX C

DESCRIPTION OF FIELD METHODS

1. **DRILLING EQUIPMENT AND METHODS.** All boreholes were drilled with 2-inch, outside-diameter, direct push drill rod. The borings were drilled to a depth about 4 feet below the first encounter of water. No drilling fluids were used during the drilling.

2. **CLEANING METHODS.** The drill rod and temporary well screen were cleaned with a high pressure water hose, using potable water from the installation. These were washed before moving to a new borehole. The well screen was additionally washed with Alconox® and rinsed with distilled water.

3. **WELL INSTALLATION MATERIALS AND METHODS.** All temporary monitoring wells were screened in the uppermost aquifer. Each temporary well was constructed using 1-inch, inside-diameter, stainless-steel, temporary well screen. Boreholes were backfilled with bentonite after the well was removed.

4. **DETERMINATION OF ELEVATIONS.** The elevations of the ground beside the boreholes were surveyed by USACHPPM in July 1997. Elevations are based on the elevations of sewer manholes, which were previously surveyed.

5. **SOIL SAMPLING.** At selected boreholes, a stainless steel Geoprobe macro-corer was pushed in advance of the auger to collect soil samples for physical analysis. Samples were generally taken continuously until the water table was reached. The split spoon was cleaned with a wire brush, tap water, and Alconox and rinsed with distilled water between samples.

6. GROUND-WATER MONITORING WELL MEASUREMENT AND SAMPLING METHODS.

a. **Purging.** For each monitoring well, the water level was determined using an electric water level indicator. The volume of standing water in each well was calculated from this measurement. Monitoring well purging was accomplished by pumping with a vacuum pump. At least three well volumes were removed from each well. Appendix F provides purging details for each well.

b. **Sample Collection.** Samples were collected immediately after purging. Samples were collected using a vacuum pump. Ground-water samples were placed in containers supplied by

®Alconox is a registered trademark of Alconox Incorporated, New York, New York.

USACHPPM laboratories and preserved as specified by the laboratories. Sampling personnel used a new pair of latex gloves for sampling each well.

c. **Filtering Methods.** A SingleSample® disposable filter was used to filter ground-water samples for dissolved metals in the field. Disposable filters having 0.45 μm pore size were used. A new, individually decontaminated filter was used for each well.

7. **ANALYTICAL METHODS.** All samples were analyzed by this Center's laboratory or by laboratories under contract to this Center. Appendix G contains the methods used and detection limits for those methods.

8. **QUALITY ASSURANCE/QUALITY CONTROL.** Travel blanks accompanied the sample containers for volatile organic compounds throughout the transportation, storage, sampling, and analytical processes. The travel blanks were filled with distilled water from this Center's laboratory. Any contaminants detected at similar concentrations in both the travel blank and the samples are probably indicative of contamination within the laboratory and not of the field samples. Appendix G describes additional quality controls.

®SingleSample is a registered trademark of VOSS Technologies, Inc., San Antonio, Texas.

APPENDIX D
DRILLING LOGS
FOR
GEOPROBE WELLS
THAT WERE SAMPLED CONTINUOUSLY

**U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
GROUND WATER & SOLID WASTE PROGRAM
DRILLING LOG**

BOREHOLE A1
 PROJECT NUMBER: 38-6746-97
 LOCATION: NW corner of installation

 NOTES: Hot, sunny

INSTALLATION: USARC Amityville, New York
 DATE: 17 July 1997
 GEOLOGIST: Tom Meckelnburg
 DRILLERS: Rocky Hoover
 DRILL RIG: Geoprobe

DEPTH (feet)	DESCRIPTION	REMARKS
20		
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--	-----Bottom---of---Hole---at-----24---feet-----	
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**U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
GROUND WATER & SOLID WASTE PROGRAM
DRILLING LOG**

BOREHOLE A3
 PROJECT NUMBER: 38-6746-97
 LOCATION: Northeast corner of the
installation
 NOTES: Sunny, hot

INSTALLATION: USARC Amityville, New York
 DATE: 18 July 1997
 GEOLOGIST: Tom Meckelnburg
 DRILLERS: Rocky Hoover
 DRILL RIG: Geoprobe

DEPTH (feet)	DESCRIPTION	REMARKS
0	brownish-yellow, silty sand with fine pebbles	Soil samples for grain size:
--		<u>Interval</u> <u>Recovered</u>
--		0' - 2' 0.9'
--	-----	1.9' - 3.9' 0.7' + 0.3'
--	<u>layer of light yellowish-brown silty clay, 0.4' thick</u>	of fallback
--		3.7' - 5.7' 1.5'
--	poorly sorted sand with fine to medium pebbles, very pale brown	5.7' - 7.7' 1.7'
--		8.2' - 10.0' 0.9'
--	more yellow with white quartz pebbles and some black material	8.2' - 12.2' 3.6'
5	----	10.0' - 12.0' 0.8'
--		11.6' - 13.6' 0.6'
--		13.6' - 15.6' 0.9'
--		15.6' - 17.6' 1.1'
--	-----	
--	<u>layer of light gray silt from 7.0' - 7.5'</u>	
--	yellow to yellowish-brown poorly sorted clayey, pebbly sand	
10	----	
--		
--	-----	
--	yellow, poorly sorted sand with some fine pebbles	
15	----	encountered water
--		
--		
--		
20	----	

**U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
GROUND WATER & SOLID WASTE PROGRAM
DRILLING LOG**

BOREHOLE A3
 PROJECT NUMBER: 38-6746-97
 LOCATION: Northeast corner of the
installation
 NOTES: Sunny, hot

INSTALLATION: USARC Amityville, New York
 DATE: 18 July 1997
 GEOLOGIST: Tom Meckelnburg
 DRILLERS: Rocky Hoover
 DRILL RIG: Geoprobe

DEPTH (feet)	DESCRIPTION	REMARKS
20	continued yellow, poorly sorted sand with some pebbles	
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--	-----Bottom----of----Hole----at----24----feet-----	
25		
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**U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
GROUND WATER & SOLID WASTE PROGRAM
DRILLING LOG**

BOREHOLE A9
 PROJECT NUMBER: 38-6746-97
 LOCATION: Center of installation, south
of Building 106
 NOTES: Sunny, warm

INSTALLATION: USARC Amityville, New York
 DATE: 20 July 1997
 GEOLOGIST: Tom. Meckelnburg
 DRILLERS: Rocky Hoover
 DRILL RIG: Geoprobe

DEPTH (feet)	DESCRIPTION	REMARKS												
0	<u>Asphalt to 0.5'</u>	Soil samples for grain size: <table border="1"> <thead> <tr> <th>Interval</th> <th>Recovered</th> </tr> </thead> <tbody> <tr> <td>0.5' - 4.5'</td> <td>3.3'</td> </tr> <tr> <td>4.5' - 8.5'</td> <td>3.2'</td> </tr> <tr> <td>8.5' - 10'</td> <td>1.5'</td> </tr> <tr> <td>10.0' - 11.5'</td> <td>1.1'</td> </tr> <tr> <td>11.5' - 14.5'</td> <td>2.8'</td> </tr> </tbody> </table>	Interval	Recovered	0.5' - 4.5'	3.3'	4.5' - 8.5'	3.2'	8.5' - 10'	1.5'	10.0' - 11.5'	1.1'	11.5' - 14.5'	2.8'
Interval	Recovered													
0.5' - 4.5'	3.3'													
4.5' - 8.5'	3.2'													
8.5' - 10'	1.5'													
10.0' - 11.5'	1.1'													
11.5' - 14.5'	2.8'													
--	very dark gray to black sandy clay													
--	grading to gravelly, poorly sorted yellow sand													
--														
--														
--														
5	less pebbles													
--														
--														
--														
--	white quartz pebbles													
--														
10														
--														
--														
--														
--														
15		Sample core barrel broke off in borehole; re-drilled hole 6" west of original hole												
--														
--														
--														
20														

**U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
GROUND WATER & SOLID WASTE PROGRAM
DRILLING LOG**

BOREHOLE A9
 PROJECT NUMBER: 38-6746-97
 LOCATION: Center of installation, south
 of Building 106
 NOTES: Sunny, warm

INSTALLATION: USARC Amityville, New York
 DATE: 20 July 1997
 GEOLOGIST: Tom. Meckelnburg
 DRILLERS: Rocky Hoover
 DRILL RIG: Geoprobe

DEPTH (feet)	DESCRIPTION	REMARKS
20	continued yellow sand with pebbles	
--		
--		
--		
--		
--	-----Bottom-of-----Hole--at-----23.5-----feet-----	
--		
25		

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35		

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**U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
GROUND WATER & SOLID WASTE PROGRAM
DRILLING LOG**

BOREHOLE A14
 PROJECT NUMBER: 38-6746-97
 LOCATION: Southwest corner of installation
 NOTES: Mostly sunny, warm

INSTALLATION: USARC Amityville, New York
 DATE: 21 July 1997
 GEOLOGIST: Tom Meckelnburg
 DRILLERS: Rocky Hoover
 DRILL RIG: Geoprobe

DEPTH (feet)	DESCRIPTION	REMARKS
0	strong brown, silty sandy clay with pebbles	Soil samples for grain size: <u>Interval</u> <u>Recovered</u> 0.0' - 2.6' 2.6' 2.6' - 5.6' 3.0' 5.6' - 7.1' 1.5' 7.1' - 8.7' 1.6' 8.7' - 10.1' 1.4'
--	grades to yellow, poorly sorted sand with pebbles	
--		
--	white quartz pebbles show up over 0.2' - 0.5'	
5		
--	color change to brownish-yellow layers in light gray fine sand and silt about 0.5' thick (7.0-7.5')	
--		
10	soil sampling halted due to difficulty in retrieving geoprobe drill rod	
--	-----Bottom----of---Hole---at-----12-----feet-----	Drilling in first hole stopped. Hole was moved 6" north and completed as a well to 24' depth
--		
--		
15		
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20		

**U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
GROUND WATER & SOLID WASTE PROGRAM
DRILLING LOG**

BOREHOLE A18
 PROJECT NUMBER: 38-6746-97
 LOCATION: Southeast corner of installation
 NOTES: Sunny, warm

INSTALLATION: USARC Amityville, New York
 DATE: 21 July 1997
 GEOLOGIST: Tom Meckelnburg
 DRILLERS: Rocky Hoover
 DRILL RIG: Geoprobe

DEPTH (feet)	DESCRIPTION	REMARKS								
0	brown organic-rich clayey sand with pebbles	Soil samples for grain size: <table border="1"> <thead> <tr> <th>Interval</th> <th>Recovered</th> </tr> </thead> <tbody> <tr> <td>0.0' - 3.0'</td> <td>3.0'</td> </tr> <tr> <td>3.0' - 6.8'</td> <td>3.8'</td> </tr> <tr> <td>6.8' - 9.8'</td> <td>3.1'</td> </tr> </tbody> </table>	Interval	Recovered	0.0' - 3.0'	3.0'	3.0' - 6.8'	3.8'	6.8' - 9.8'	3.1'
Interval	Recovered									
0.0' - 3.0'	3.0'									
3.0' - 6.8'	3.8'									
6.8' - 9.8'	3.1'									
--	-----									
--	brownish-yellow poorly sorted sand with pebbles									
--										
--										
--	becoming yellow, poorly sorted sand with white quartz pebbles about every 0.5'									
5										
--										
--										
--										
--										
10	-----Bottom-----of-----Hole-----at-----10-----feet-----	Sampling stopped Hole re-drilled 0.5' to the east; 24' deep for temporary well								
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--										
15										
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20										

APPENDIX E
SUMMARY OF WELL INSTALLATION
AND
WATER LEVELS

Well ID	Total Depth (ft)	Screen Interval (ft from ground surface)	Height of Casing (ft TOC)	Water Level (ft TOC)	Elevation of Ground Surface (ft msl)	Water Level (ft msl)	Screen Interval (ft msl)
A1	23.6	19.6 - 23.6	0.42	17.42	52.30	35.30	33.1 - 29.1
A2	23.5	19.5 - 23.5	0.45	17.56	52.20	35.09	33.2 - 29.2
A3	23.4	19.4 - 23.4	0.60	17.19	50.24	33.65	31.4 - 27.4
A4	23.5	19.5 - 23.5	0.54	17.55	51.71	34.70	32.8 - 28.8
A5	23.5	19.5 - 23.5	0.45	17.40	51.63	34.68	32.6 - 28.6
A6	23.0	19.0 - 23.0	1.00	18.82	52.25	34.43	34.3 - 30.3
A7	23.6	19.6 - 23.6	0.40	18.62	52.62	34.40	33.4 - 29.4
A8	23.3	19.3 - 23.3	0.70	17.83	51.35	34.22	32.8 - 28.8
A9	23.6	19.6 - 23.6	0.43	17.34	51.08	34.17	31.9 - 27.9
A10	23.4	19.4 - 23.4	0.57	18.47	51.85	33.95	33.0 - 29.0
A11	23.5	19.5 - 23.5	0.53	16.09	49.26	33.70	30.3 - 26.3
A12	23.4	19.4 - 23.4	0.63	16.18	49.16	33.61	30.4 - 26.4
A13	23.4	19.4 - 23.4	0.61	15.58	48.36	33.39	29.6 - 25.6
A14	23.1	19.1 - 23.1	0.91	17.04	49.48	33.35	21.3 - 27.3
A15	23.5	19.5 - 23.5	0.50	15.15	47.81	33.16	28.8 - 24.8
A16	23.1	19.1 - 23.1	0.89	17.83	50.71	33.77	32.5 - 28.5
A17	23.3	19.3 - 23.3	0.70	14.94	47.21	32.97	28.6 - 24.6
A18	23.3	19.3 - 23.3	0.68	18.66	50.99	33.01	32.4 - 28.4

Geohydrologic Study No. 38-EH-6746-97, 16-22 July 1997

APPENDIX F

PURGING AND SAMPLING LOGS FOR GEOPROBE WELLS

**U.S. Army Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program
Purging and Sampling Log for Geoprobe Wells**

Well Point ID: A3 INSTALLATION: USARC-Amityville, NY

Date of Well Completion: 18 July 1997 Total Depth of Well: 23.4'

Height of Casing Above Ground: 0.6' Screened Interval: 19.4' - 23.4'

Date of Closure: 21 July 1997

WATER LEVEL MEASUREMENTS

3 Well Volumes = 464 X (depth of well - water level (ft)) = 464(23.4 X 17.2) = 2877 mL

Date	Time	Water Level and Observations
18 July 97	1855	17.19' before developing
18 July 97	1940	17.19' after sampling

DEVELOPING/PURGING

Date	Time	Volume	Notes/Clarity of Water
18 July 97	1900	3000 mL	Cloudy

SAMPLING

Date/Time: 18 July 1997 Equipment: Vacuum pump

Notes: Samples taken for metals, TPH, and VOCs

FIELD MEASUREMENTS

Temperature: 18.6 °C pH: 4.9 Dissolved O2: 13.0 ppm

Conductivity: 178.0 μS

NOTES: With the high infiltration rate, the ground water reflects nearly rain water properties.

**U.S. Army Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program
Purging and Sampling Log for Geoprobe Wells**

Well Point ID: A9 INSTALLATION: USARC-Amityville, NY

Date of Well Completion: 20 July 1997 Total Depth of Well: 23.6'

Height of Casing Above Ground: 0.43' Screened Interval: 19.6' - 23.6'

Date of Closure: 21 July 1997

WATER LEVEL MEASUREMENTS

3 Well Volumes = 464 X (depth of well - water level (ft)) = 464(23.6 X 17.3) = 2923 mL

Date	Time	Water Level and Observations
20 July 97	1055	17.34' before developing
20 July 97	1140	17.31' after sampling

DEVELOPING/PURGING

Date	Time	Volume	Notes/Clarity of Water
20 July 97	1100	3000 mL	Slightly muddy

SAMPLING

Date/Time: 20 July 1997 Equipment: Vacuum pump

Notes: Samples taken for metals, TPH, and VOCs

FIELD MEASUREMENTS

Temperature: 17.6 °C pH: 5.6 Dissolved O2: 11.0 ppm

Conductivity: 128.7 μS

NOTES

**U.S. Army Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program
Purging and Sampling Log for Geoprobe Wells**

Well Point ID: A10 INSTALLATION: USARC-Amityville, NY

Date of Well Completion: 20 July 1997 Total Depth of Well: 23.4'

Height of Casing Above Ground: 0.57' Screened Interval: 19.4' - 23.4'

Date of Closure: 21 July 1997

WATER LEVEL MEASUREMENTS

3 Well Volumes = 464 X (depth of well - water level (ft)) = 464(23.4 X 18.5) = 2274 mL

Date	Time	Water Level and Observations
20 July 97	1340	18.47' before developing
20 July 97	1440	18.44' after sampling

DEVELOPING/PURGING

Date	Time	Volume	Notes/Clarity of Water
20 July 97	1350	3000 mL	Slightly cloudy

SAMPLING

Date/Time: 20 July 1997 Equipment: Vacuum pump

Notes: Samples taken for metals, TPH, and VOCs

FIELD MEASUREMENTS

Temperature: 17.3 °C pH: 5.5 Dissolved O2: 8.6 ppm

Conductivity: 52.6 μS

NOTES

**U.S. Army Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program
Purging and Sampling Log for Geoprobe Wells**

Well Point ID: A11 INSTALLATION: USARC-Amityville, NY

Date of Well Completion: 20 July 1997 Total Depth of Well: 23.5'

Height of Casing Above Ground: 0.53' Screened Interval: 19.5' - 23.5'

Date of Closure: 21 July 1997

WATER LEVEL MEASUREMENTS

3 Well Volumes = 464 X (depth of well - water level (ft)) = 464(23.5 X 16.1) = 3434 mL

Date	Time	Water Level and Observations
20 July 97	1505	16.09' before developing
20 July 97	1550	15.97' after sampling

DEVELOPING/PURGING

Date	Time	Volume	Notes/Clarity of Water
20 July 97	1515	3500 mL	Cloudy

SAMPLING

Date/Time: 20 July 1997 Equipment: Vacuum pump

Notes: Samples taken for metals, TPH, and VOCs

FIELD MEASUREMENTS

Temperature: 16.1 °C pH: 5.6 Dissolved O2: 8.4 ppm

Conductivity: 221.6 μ S

NOTES

**U.S. Army Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program
Purging and Sampling Log for Geoprobe Wells**

Well Point ID: A12 INSTALLATION: USARC-Amityville, NY

Date of Well Completion: 20 July 1997 Total Depth of Well: 23.4'

Height of Casing Above Ground: 1.63' Screened Interval: 19.4' - 23.4'

Date of Closure: 21 July 1997

WATER LEVEL MEASUREMENTS

3 Well Volumes = 464 X (depth of well - water level (ft)) = 464(23.4 X 16.2) = 3341 mL

Date	Time	Water Level and Observations
20 July 97	1610	16.18' before developing
20 July 97	1640	16.11' after sampling

DEVELOPING/PURGING

Date	Time	Volume	Notes/Clarity of Water
20 July 97	1620	3500 mL	Cloudy

SAMPLING

Date/Time: 20 July 1997 Equipment: Vacuum pump

Notes: Samples taken for metals, TPH, and VOCs

FIELD MEASUREMENTS

Temperature: 16.7 °C pH: 5.4 Dissolved O2: 7.5 ppm

Conductivity: 150.1 μS

NOTES

**U.S. Army Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program
Purging and Sampling Log for Geoprobe Wells**

Well Point ID: A14 INSTALLATION: USARC-Amityville, NY

Date of Well Completion: 21 July 1997 Total Depth of Well: 23.1'

Height of Casing Above Ground: 0.91' Screened Interval: 19.1' - 23.1'

Date of Closure: 21 July 1997

WATER LEVEL MEASUREMENTS

3 Well Volumes = 464 X (depth of well - water level (ft)) = 464(23.1 X 17.0) = 2830 mL

Date	Time	Water Level and Observations
21 July 97	1710	17.04' before developing
21 July 97	1740	16.97' after sampling

DEVELOPING/PURGING

Date	Time	Volume	Notes/Clarity of Water
21 July 97	1720	3000 mL	Cloudy to muddy

SAMPLING

Date/Time: 21 July 1997 Equipment: Vacuum pump

Notes: Samples taken for metals, TPH, and VOCs

FIELD MEASUREMENTS

Temperature: 16.6 °C pH: 5.6 Dissolved O2: 10.2 ppm

Conductivity: 215.6 μS

NOTES

**U.S. Army Center for Health Promotion and Preventive Medicine
Ground Water and Solid Waste Program
Purging and Sampling Log for Geoprobe Wells**

Well Point ID: A16 INSTALLATION: USARC-Amityville, NY

Date of Well Completion: 21 July 1997 Total Depth of Well: 23.1'

Height of Casing Above Ground: 0.89' Screened Interval: 19.1' - 23.1'

Date of Closure: 21 July 1997

WATER LEVEL MEASUREMENTS

3 Well Volumes = 464 X (depth of well - water level (ft)) = 464(23.1 X 17.8) = 2459 mL

Date	Time	Water Level and Observations
21 July 97	1020	17.83' before developing
21 July 97	1050	17.76' after sampling

DEVELOPING/PURGING

Date	Time	Volume	Notes/Clarity of Water
21 July 97	1030	3000 mL	Cloudy

SAMPLING

Date/Time: 21 July 1997 Equipment: Vacuum pump

Notes: Samples taken for metals, TPH, and VOCs

FIELD MEASUREMENTS

Temperature: 16.4 °C pH: 5.3 Dissolved O2: 6.9 ppm

Conductivity: 153.6 μS

NOTES: This was sample location 17; 16 and 17 are switched from original maps.

Geohydrologic Study No. 38-EH-6746-97, 16-22 July 1997

APPENDIX G

**LIST OF PARAMETERS ANALYZED AND
THE ANALYTICAL METHODS AND DETECTION LIMITS
USED FOR ANALYSES**

TABLE G-1. DETECTION LIMITS FOR VOLATILE ORGANIC COMPOUNDS IN GROUND WATER (in $\mu\text{g/L}$).

Analyte	Detection Limit E8837
dichlorodifluoromethane	2.0
chloromethane	2.0
vinyl chloride	2.0
bromomethane	2.0
chloroethane	2.0
trichlorofluoromethane	2.0
ethyl ether	20
iodomethane	20
carbon disulfide	20
acetone	20
1,1-dichloroethene	2.0
allyl chloride	20
methylene chloride	2.0
acrylonitrile	20
methyl-t-butyl ether	20
trans-1,2-dichloroethene	2.0
1,1-dichloroethane	2.0
2,2-dichloropropane	2.0
cis-1,2-dichloroethene	2.0
2-butanone	20
propionitrile	20
methyl acrylate	20
methacrylonitrile	20
tetrahydrofuran	20
bromochloromethane	2.0
chloroform	2.0
1,1,1-trichloroethane	2.0

Analyte	Detection Limit E8837
carbon tetrachloride	2.0
1,1-dichloropropene	2.0
1-chlorobutane	20
benzene	2.0
1,2-dichloroethane	2.0
trichloroethene	2.0
1,2-dichloropropane	2.0
dibromomethane	2.0
methyl methacrylate	20
bromodichloromethane	2.0
2-nitropropane	20
chloroacetonitrile	20
cis-1,3-dichloropropene	2.0
4-methyl-2-pentanone	20
toluene	2.0
trans-1,3-dichloropropene	2.0
1,1,2-trichloroethane	2.0
ethyl methacrylate	20
tetrachloroethene	2.0
1,3-dichloropropane	2.0
2-hexanone	20
dibromochloromethane	2.0
1,2-dibromoethane	2.0
chlorobenzene	2.0
1,1,1,2-tetrachloroethane	2.0
ethylbenzene	2.0
m/p-xylene	2.0
o-xylene	2.0
styrene	2.0
bromoform	2.0

Analyte	Detection Limit E8837
isopropylbenzene	2.0
bromobenzene	2.0
1,1,2,2-tetrachloroethane	2.0
1,2,3-trichloropropane	2.0
trans-1,4-dichloro-2-butene	20
n-propylbenzene	2.0
2-chlorotoluene	2.0
4-chlorotoluene	2.0
1,3,5-trimethylbenzene	2.0
tert-butylbenzene	2.0
pentachloroethane	20
1,2,4-trimethylbenzene	2.0
sec-butylbenzene	2.0
1,3-dichlorobenzene	2.0
4-isopropyltoluene	2.0
1,4-dichlorobenzene	2.0
1,2-dichlorobenzene	2.0
n-butylbenzene	2.0
hexachloroethane	20
1,2-dibromo-3-chloropropane	2.0
1,2,4-trichlorobenzene	2.0
hexachlorobutadiene	2.0
naphthalene	2.0
1,2,3-trichlorobenzene	2.0

NOTES:

The samples were collected on 17 - 21 July 1997, received on 22 and 24 July 1997, and all EPA Method 8260A analyses were completed by 24 July 1997. All analytical holding times were met.

Target compounds were detected in sample A14 (trichlorofluoromethane) and A18 (chloroform). All other samples were free of compounds.

All surrogate recoveries met method requirements. All internal standard area counts and retention times complied with method QC requirements. A matrix spike (MS) and matrix spike duplicate (MSD) were analyzed on sample A11. There were acceptable recoveries for all MS/MSD compounds spiked.

Sample preservation (pH) was checked at the time of analysis. All samples had a pH less than or equal to 2. These results indicate that the method preservation requirements were met in all of the samples.

The samples were analyzed using EPA Method 8260A using ASD SOP #46.4.

Quality control data are provided on the following 45 pages:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

TRIP BLANK

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: E7522
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: S1W87125.D
 Level: (low/med) LOW Date Collected: 07/21/97
 % Moisture: not dec. _____ Date Analyzed: 07/24/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	dichlorodifluoromethane		2.0	U
74-87-3	chloromethane		2.0	U
75-01-4	vinyl chloride		2.0	U
74-83-9	bromomethane		2.0	U
75-00-3	chloroethane		2.0	U
75-69-4	trichlorofluoromethane		2.0	U
60-29-7	ethyl ether		20	U
74-88-4	iodomethane		20	U
75-15-0	carbon disulfide		20	U
67-64-1	acetone		20	U
75-35-4	1,1-dichloroethene		2.0	U
107-05-1	allyl chloride		20	U
75-09-2	methylene chloride		2.0	U
107-13-1	acrylonitrile		20	U
1634-04-4	methyl-t-butyl ether		20	U
156-60-5	trans-1,2-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		2.0	U
590-20-7	2,2-dichloropropane		2.0	U
156-59-2	cis-1,2-dichloroethene		2.0	U
78-93-3	2-butanone		20	U
107-12-0	propionitrile		20	U
96-33-3	methyl acrylate		20	U
126-98-7	methacrylonitrile		20	U
109-99-9	tetrahydrofuran		20	U
74-97-5	bromochloromethane		2.0	U
67-66-3	chloroform		2.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
563-58-6	1,1-dichloropropene		2.0	U
109-69-3	1-chlorobutane		20	U
71-43-2	benzene		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
79-01-6	trichloroethene		2.0	U
78-87-5	1,2-dichloropropane		2.0	U
74-95-3	dibromomethane		2.0	U
80-62-6	methyl methacrylate		20	U
75-27-4	bromodichloromethane		2.0	U
79-46-9	2-nitropropane		20	U
107-14-2	chloroacetonitrile		20	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

TRIP BLANK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: E7522
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: S1W87125.D
 Level: (low/med) LOW Date Collected: 07/21/97
 % Moisture: not dec. _____ Date Analyzed: 07/24/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
10061-01-5	cis-1,3-dichloropropene		2.0	U
108-10-1	4-methyl-2-pentanone		20	U
108-88-3	toluene		2.0	U
10061-02-6	trans-1,3-dichloropropene		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
97-63-2	ethyl methacrylate		20	U
127-18-4	tetrachloroethene		2.0	U
142-28-9	1,3-dichloropropane		2.0	U
591-78-6	2-hexanone		20	U
124-48-1	dibromochloromethane		2.0	U
106-93-4	1,2-dibromoethane		2.0	U
108-90-7	chlorobenzene		2.0	U
630-20-6	1,1,1,2-tetrachloroethane		2.0	U
100-41-4	ethylbenzene		2.0	U
108-38-3;10	m/p-xylene		2.0	U
95-47-6	o-xylene		2.0	U
100-42-5	styrene		2.0	U
75-25-2	bromoform		2.0	U
98-82-8	isopropylbenzene		2.0	U
108-86-1	bromobenzene		2.0	U
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
96-18-4	1,2,3-trichloropropane		2.0	U
110-57-6	trans-1,4-dichloro-2-butene		20	U
103-65-1	n-propylbenzene		2.0	U
95-49-8	2-chlorotoluene		2.0	U
106-43-4	4-chlorotoluene		2.0	U
108-67-8	1,3,5-trimethylbenzene		2.0	U
98-06-6	tert-butylbenzene		2.0	U
76-01-7	pentachloroethane		20	U
95-63-6	1,2,4-trimethylbenzene		2.0	U
135-98-8	sec-butylbenzene		2.0	U
541-73-1	1,3-dichlorobenzene		2.0	U
99-87-6	4-isopropyltoluene		2.0	U
106-46-7	1,4-dichlorobenzene		2.0	U
95-50-1	1,2-dichlorobenzene		2.0	U
104-51-8	n-butylbenzene		2.0	U
67-72-1	hexachloroethane		20	U
96-12-8	1,2-dibromo-3-chloropropane		2.0	U
120-82-1	1,2,4-trichlorobenzene		2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

TRIP BLANK

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Matrix: (soil/water) WATER Lab Sample ID: E7522
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: S1W87125.D
Level: (low/med) LOW Date Collected: 07/21/97
% Moisture: not dec. _____ Date Analyzed: 07/24/97
GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
87-68-3	hexachlorobutadiene		2.0	U
91-20-3	naphthalene		2.0	U
87-61-6	1,2,3-trichlorobenzene		2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK01

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87089.D
 Level: (low/med) LOW Date Collected: 07/19/97
 % Moisture: not dec. _____ Date Analyzed: 07/22/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	dichlorodifluoromethane		2.0	U
74-87-3	chloromethane		2.0	U
75-01-4	vinyl chloride		2.0	U
74-83-9	bromomethane		2.0	U
75-00-3	chloroethane		2.0	U
75-69-4	trichlorofluoromethane		2.0	U
60-29-7	ethyl ether		20	U
74-88-4	iodomethane		20	U
75-15-0	carbon disulfide		20	U
67-64-1	acetone		20	U
75-35-4	1,1-dichloroethene		2.0	U
107-05-1	allyl chloride		20	U
75-09-2	methylene chloride		2.0	U
107-13-1	acrylonitrile		20	U
1634-04-4	methyl-t-butyl ether		20	U
156-60-5	trans-1,2-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		2.0	U
590-20-7	2,2-dichloropropane		2.0	U
156-59-2	cis-1,2-dichloroethene		2.0	U
78-93-3	2-butanone		20	U
107-12-0	propionitrile		20	U
96-33-3	methyl acrylate		20	U
126-98-7	methacrylonitrile		20	U
109-99-9	tetrahydrofuran		20	U
74-97-5	bromochloromethane		2.0	U
67-66-3	chloroform		2.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
563-58-6	1,1-dichloropropene		2.0	U
109-69-3	1-chlorobutane		20	U
71-43-2	benzene		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
79-01-6	trichloroethene		2.0	U
78-87-5	1,2-dichloropropane		2.0	U
74-95-3	dibromomethane		2.0	U
80-62-6	methyl methacrylate		20	U
75-27-4	bromodichloromethane		2.0	U
79-46-9	2-nitropropane		20	U
107-14-2	chloroacetonitrile		20	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK01

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87089.D
 Level: (low/med) LOW Date Collected: 07/19/97
 % Moisture: not dec. _____ Date Analyzed: 07/22/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
10061-01-5	cis-1,3-dichloropropene		2.0	U
108-10-1	4-methyl-2-pentanone		20	U
108-88-3	toluene		2.0	U
10061-02-6	trans-1,3-dichloropropene		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
97-63-2	ethyl methacrylate		20	U
127-18-4	tetrachloroethene		2.0	U
142-28-9	1,3-dichloropropane		2.0	U
591-78-6	2-hexanone		20	U
124-48-1	dibromochloromethane		2.0	U
106-93-4	1,2-dibromoethane		2.0	U
108-90-7	chlorobenzene		2.0	U
630-20-6	1,1,1,2-tetrachloroethane		2.0	U
100-41-4	ethylbenzene		2.0	U
108-38-3;10	m/p-xylene		2.0	U
95-47-6	o-xylene		2.0	U
100-42-5	styrene		2.0	U
75-25-2	bromoform		2.0	U
98-82-8	isopropylbenzene		2.0	U
108-86-1	bromobenzene		2.0	U
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
96-18-4	1,2,3-trichloropropane		2.0	U
110-57-6	trans-1,4-dichloro-2-butene		20	U
103-65-1	n-propylbenzene		2.0	U
95-49-8	2-chlorotoluene		2.0	U
106-43-4	4-chlorotoluene		2.0	U
108-67-8	1,3,5-trimethylbenzene		2.0	U
98-06-6	tert-butylbenzene		2.0	U
76-01-7	pentachloroethane		20	U
95-63-6	1,2,4-trimethylbenzene		2.0	U
135-98-8	sec-butylbenzene		2.0	U
541-73-1	1,3-dichlorobenzene		2.0	U
99-87-6	4-isopropyltoluene		2.0	U
106-46-7	1,4-dichlorobenzene		2.0	U
95-50-1	1,2-dichlorobenzene		2.0	U
104-51-8	n-butylbenzene		2.0	U
67-72-1	hexachloroethane		20	U
96-12-8	1,2-dibromo-3-chloropropane		2.0	U
120-82-1	1,2,4-trichlorobenzene		2.0	U

1A
 VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK01

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87089.D
 Level: (low/med) LOW Date Collected: 07/19/97
 % Moisture: not dec. _____ Date Analyzed: 07/22/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

87-68-3	hexachlorobutadiene	2.0	U
91-20-3	naphthalene	2.0	U
87-61-6	1,2,3-trichlorobenzene	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK02

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87101.D
 Level: (low/med) LOW Date Collected: 07/23/97
 % Moisture: not dec. _____ Date Analyzed: 07/23/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	dichlorodifluoromethane		2.0	U
74-87-3	chloromethane		2.0	U
75-01-4	vinyl chloride		2.0	U
74-83-9	bromomethane		2.0	U
75-00-3	chloroethane		2.0	U
75-69-4	trichlorofluoromethane		2.0	U
60-29-7	ethyl ether		20	U
74-88-4	iodomethane		20	U
75-15-0	carbon disulfide		20	U
67-64-1	acetone		20	U
75-35-4	1,1-dichloroethene		2.0	U
107-05-1	allyl chloride		20	U
75-09-2	methylene chloride		2.0	U
107-13-1	acrylonitrile		20	U
1634-04-4	methyl-t-butyl ether		20	U
156-60-5	trans-1,2-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		2.0	U
590-20-7	2,2-dichloropropane		2.0	U
156-59-2	cis-1,2-dichloroethene		2.0	U
78-93-3	2-butanone		20	U
107-12-0	propionitrile		20	U
96-33-3	methyl acrylate		20	U
126-98-7	methacrylonitrile		20	U
109-99-9	tetrahydrofuran		20	U
74-97-5	bromochloromethane		2.0	U
67-66-3	chloroform		2.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
563-58-6	1,1-dichloropropene		2.0	U
109-69-3	1-chlorobutane		20	U
71-43-2	benzene		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
79-01-6	trichloroethene		2.0	U
78-87-5	1,2-dichloropropane		2.0	U
74-95-3	dibromomethane		2.0	U
80-62-6	methyl methacrylate		20	U
75-27-4	bromodichloromethane		2.0	U
79-46-9	2-nitropropane		20	U
107-14-2	chloroacetonitrile		20	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK02

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87101.D
 Level: (low/med) LOW Date Collected: 07/23/97
 % Moisture: not dec. _____ Date Analyzed: 07/23/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
10061-01-5	cis-1,3-dichloropropene		2.0	U
108-10-1	4-methyl-2-pentanone		20	U
108-88-3	toluene		2.0	U
10061-02-6	trans-1,3-dichloropropene		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
97-63-2	ethyl methacrylate		20	U
127-18-4	tetrachloroethene		2.0	U
142-28-9	1,3-dichloropropane		2.0	U
591-78-6	2-hexanone		20	U
124-48-1	dibromochloromethane		2.0	U
106-93-4	1,2-dibromoethane		2.0	U
108-90-7	chlorobenzene		2.0	U
630-20-6	1,1,1,2-tetrachloroethane		2.0	U
100-41-4	ethylbenzene		2.0	U
108-38-3;10	m/p-xylene		2.0	U
95-47-6	o-xylene		2.0	U
100-42-5	styrene		2.0	U
75-25-2	bromoform		2.0	U
98-82-8	isopropylbenzene		2.0	U
108-86-1	bromobenzene		2.0	U
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
96-18-4	1,2,3-trichloropropane		2.0	U
110-57-6	trans-1,4-dichloro-2-butene		20	U
103-65-1	n-propylbenzene		2.0	U
95-49-8	2-chlorotoluene		2.0	U
106-43-4	4-chlorotoluene		2.0	U
108-67-8	1,3,5-trimethylbenzene		2.0	U
98-06-6	tert-butylbenzene		2.0	U
76-01-7	pentachloroethane		20	U
95-63-6	1,2,4-trimethylbenzene		2.0	U
135-98-8	sec-butylbenzene		2.0	U
541-73-1	1,3-dichlorobenzene		2.0	U
99-87-6	4-isopropyltoluene		2.0	U
106-46-7	1,4-dichlorobenzene		2.0	U
95-50-1	1,2-dichlorobenzene		2.0	U
104-51-8	n-butylbenzene		2.0	U
67-72-1	hexachloroethane		20	U
96-12-8	1,2-dibromo-3-chloropropane		2.0	U
120-82-1	1,2,4-trichlorobenzene		2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK02

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87101.D
Level: (low/med) LOW Date Collected: 07/23/97
% Moisture: not dec. _____ Date Analyzed: 07/23/97
GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
87-68-3	hexachlorobutadiene		2.0	U
91-20-3	naphthalene		2.0	U
87-61-6	1,2,3-trichlorobenzene		2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK03

Lap Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87118.D
 Level: (low/med) LOW Date Collected: 07/19/97
 % Moisture: not dec. Date Analyzed: 07/24/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	dichlorodifluoromethane		2.0	U
74-87-3	chloromethane		2.0	U
75-01-4	vinyl chloride		2.0	U
74-83-9	bromomethane		2.0	U
75-00-3	chloroethane		2.0	U
75-69-4	trichlorofluoromethane		2.0	U
60-29-7	ethyl ether		20	U
74-88-4	iodomethane		20	U
75-15-0	carbon disulfide		20	U
67-64-1	acetone		20	U
75-35-4	1,1-dichloroethene		2.0	U
107-05-1	allyl chloride		20	U
75-09-2	methylene chloride		2.0	U
107-13-1	acrylonitrile		20	U
1634-04-4	methyl-t-butyl ether		20	U
156-60-5	trans-1,2-dichloroethene		2.0	U
75-34-3	1,1-dichloroethane		2.0	U
590-20-7	2,2-dichloropropane		2.0	U
156-59-2	cis-1,2-dichloroethene		2.0	U
78-93-3	2-butanone		20	U
107-12-0	propionitrile		20	U
96-33-3	methyl acrylate		20	U
126-98-7	methacrylonitrile		20	U
109-99-9	tetrahydrofuran		20	U
74-97-5	bromochloromethane		2.0	U
67-66-3	chloroform		2.0	U
71-55-6	1,1,1-trichloroethane		2.0	U
56-23-5	carbon tetrachloride		2.0	U
563-58-6	1,1-dichloropropene		2.0	U
109-69-3	1-chlorobutane		20	U
71-43-2	benzene		2.0	U
107-06-2	1,2-dichloroethane		2.0	U
79-01-6	trichloroethene		2.0	U
78-87-5	1,2-dichloropropane		2.0	U
74-95-3	dibromomethane		2.0	U
80-62-6	methyl methacrylate		20	U
75-27-4	bromodichloromethane		2.0	U
79-46-9	2-nitropropane		20	U
107-14-2	chloroacetonitrile		20	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK03

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87118.D
 Level: (low/med) LOW Date Collected: 07/19/97
 % Moisture: not dec. _____ Date Analyzed: 07/24/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
10061-01-5	cis-1,3-dichloropropene		2.0	U
108-10-1	4-methyl-2-pentanone		20	U
108-88-3	toluene		2.0	U
10061-02-6	trans-1,3-dichloropropene		2.0	U
79-00-5	1,1,2-trichloroethane		2.0	U
97-63-2	ethyl methacrylate		20	U
127-18-4	tetrachloroethene		2.0	U
142-28-9	1,3-dichloropropane		2.0	U
591-78-6	2-hexanone		20	U
124-48-1	dibromochloromethane		2.0	U
106-93-4	1,2-dibromoethane		2.0	U
108-90-7	chlorobenzene		2.0	U
630-20-6	1,1,1,2-tetrachloroethane		2.0	U
100-41-4	ethylbenzene		2.0	U
108-38-3;10	m/p-xylene		2.0	U
95-47-6	o-xylene		2.0	U
100-42-5	styrene		2.0	U
75-25-2	bromoform		2.0	U
98-82-8	isopropylbenzene		2.0	U
108-86-1	bromobenzene		2.0	U
79-34-5	1,1,2,2-tetrachloroethane		2.0	U
96-18-4	1,2,3-trichloropropane		2.0	U
110-57-6	trans-1,4-dichloro-2-butene		20	U
103-65-1	n-propylbenzene		2.0	U
95-49-8	2-chlorotoluene		2.0	U
106-43-4	4-chlorotoluene		2.0	U
108-67-8	1,3,5-trimethylbenzene		2.0	U
98-06-6	tert-butylbenzene		2.0	U
76-01-7	pentachloroethane		20	U
95-63-6	1,2,4-trimethylbenzene		2.0	U
135-98-8	sec-butylbenzene		2.0	U
541-73-1	1,3-dichlorobenzene		2.0	U
99-87-6	4-isopropyltoluene		2.0	U
106-46-7	1,4-dichlorobenzene		2.0	U
95-50-1	1,2-dichlorobenzene		2.0	U
104-51-8	n-butylbenzene		2.0	U
67-72-1	hexachloroethane		20	U
96-12-8	1,2-dibromo-3-chloropropane		2.0	U
120-82-1	1,2,4-trichlorobenzene		2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

LBLK03

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Matrix: (soil/water) WATER Lab Sample ID: LAB BLANK
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B1W87118.D
Level: (low/med) LOW Date Collected: 07/19/97
% Moisture: not dec. _____ Date Analyzed: 07/24/97
GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
87-68-3	hexachlorobutadiene		2.0	U
91-20-3	naphthalene		2.0	U
87-61-6	1,2,3-trichlorobenzene		2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

A11MS

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: E7469MS
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M1W87110.D
 Level: (low/med) LOW Date Collected: 07/19/97
 % Moisture: not dec. _____ Date Analyzed: 07/23/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-71-8	dichlorodifluoromethane	27	
74-87-3	chloromethane	13	
75-01-4	vinyl chloride	15	
74-83-9	bromomethane	20	
75-00-3	chloroethane	21	
75-69-4	trichlorofluoromethane	20	
60-29-7	ethyl ether	89	
74-88-4	iodomethane	120	
75-15-0	carbon disulfide	78	
67-64-1	acetone	56	
75-35-4	1,1-dichloroethene	20	
107-05-1	allyl chloride	96	
75-09-2	methylene chloride	19	
107-13-1	acrylonitrile	62	
1634-04-4	methyl-t-butyl ether	85	
156-60-5	trans-1,2-dichloroethene	18	
75-34-3	1,1-dichloroethane	16	
590-20-7	2,2-dichloropropane	19	
156-59-2	cis-1,2-dichloroethene	17	
78-93-3	2-butanone	54	
107-12-0	propionitrile	68	
96-33-3	methyl acrylate	65	
126-98-7	methacrylonitrile	67	
109-99-9	tetrahydrofuran	70	
74-97-5	bromochloromethane	19	
67-66-3	chloroform	18	
71-55-6	1,1,1-trichloroethane	19	
56-23-5	carbon tetrachloride	22	
563-58-6	1,1-dichloropropene	19	
109-69-3	1-chlorobutane	91	
71-43-2	benzene	18	
107-06-2	1,2-dichloroethane	21	
79-01-6	trichloroethene	19	
78-87-5	1,2-dichloropropane	16	
74-95-3	dibromomethane	19	
80-62-6	methyl methacrylate	77	
75-27-4	bromodichloromethane	20	
79-46-9	2-nitropropane	74	
107-14-2	chloroacetonitrile	69	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

A11MS

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: E7469MS
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M1W87110.D
 Level: (low/med) LOW Date Collected: 07/19/97
 % Moisture: not dec. _____ Date Analyzed: 07/23/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
10061-01-5	cis-1,3-dichloropropene		19	
108-10-1	4-methyl-2-pentanone		78	
108-88-3	toluene		18	
10061-02-6	trans-1,3-dichloropropene		20	
79-00-5	1,1,2-trichloroethane		19	
97-63-2	ethyl methacrylate		79	
127-18-4	tetrachloroethene		8.1	
142-28-9	1,3-dichloropropane		18	
591-78-6	2-hexanone		64	
124-48-1	dibromochloromethane		17	
106-93-4	1,2-dibromoethane		19	
108-90-7	chlorobenzene		19	
630-20-6	1,1,1,2-tetrachloroethane		21	
100-41-4	ethylbenzene		19	
108-38-3;10	m/p-xylene		35	
95-47-6	o-xylene		18	
100-42-5	styrene		14	
75-25-2	bromoform		13	
98-82-8	isopropylbenzene		17	
108-86-1	bromobenzene		19	
79-34-5	1,1,2,2-tetrachloroethane		16	
96-18-4	1,2,3-trichloropropane		14	
110-57-6	trans-1,4-dichloro-2-butene		76	
103-65-1	n-propylbenzene		16	
95-49-8	2-chlorotoluene		18	
106-43-4	4-chlorotoluene		18	
108-67-8	1,3,5-trimethylbenzene		14	
98-06-6	tert-butylbenzene		24	
76-01-7	pentachloroethane		150	
95-63-6	1,2,4-trimethylbenzene		16	
135-98-8	sec-butylbenzene		17	
541-73-1	1,3-dichlorobenzene		19	
99-87-6	4-isopropyltoluene		18	
106-46-7	1,4-dichlorobenzene		19	
95-50-1	1,2-dichlorobenzene		19	
104-51-8	n-butylbenzene		17	
67-72-1	hexachloroethane		95	
96-12-8	1,2-dibromo-3-chloropropane		15	
120-82-1	1,2,4-trichlorobenzene		17	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

A11MS

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Matrix: (soil/water) WATER Lab Sample ID: E7469MS
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M1W87110.D
Level: (low/med) LOW Date Collected: 07/19/97
% Moisture: not dec. _____ Date Analyzed: 07/23/97
GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
87-68-3	hexachlorobutadiene		20	
91-20-3	naphthalene		15	
87-61-6	1,2,3-trichlorobenzene		17	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

A11MSD

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: E7469MSD
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M1W87111.D
 Level: (low/med) LOW Date Collected: 07/23/97
 % Moisture: not dec. _____ Date Analyzed: 07/23/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-71-8	dichlorodifluoromethane	24	
74-87-3	chloromethane	13	
75-01-4	vinyl chloride	15	
74-83-9	bromomethane	18	
75-00-3	chloroethane	19	
75-69-4	trichlorofluoromethane	18	
60-29-7	ethyl ether	81	
74-88-4	iodomethane	110	
75-15-0	carbon disulfide	68	
67-64-1	acetone	52	
75-35-4	1,1-dichloroethene	19	
107-05-1	allyl chloride	81	
75-09-2	methylene chloride	18	
107-13-1	acrylonitrile	54	
1634-04-4	methyl-t-butyl ether	79	
156-60-5	trans-1,2-dichloroethene	16	
75-34-3	1,1-dichloroethane	15	
590-20-7	2,2-dichloropropane	18	
156-59-2	cis-1,2-dichloroethene	16	
78-93-3	2-butanone	51	
107-12-0	propionitrile	66	
96-33-3	methyl acrylate	60	
126-98-7	methacrylonitrile	63	
109-99-9	tetrahydrofuran	65	
74-97-5	bromochloromethane	17	
67-66-3	chloroform	16	
71-55-6	1,1,1-trichloroethane	18	
56-23-5	carbon tetrachloride	18	
563-58-6	1,1-dichloropropene	17	
109-69-3	1-chlorobutane	83	
71-43-2	benzene	16	
107-06-2	1,2-dichloroethane	19	
79-01-6	trichloroethene	22	
78-87-5	1,2-dichloropropane	15	
74-95-3	dibromomethane	17	
80-62-6	methyl methacrylate	69	
75-27-4	bromodichloromethane	15	
79-46-9	2-nitropropane	63	
107-14-2	chloroacetonitrile	63	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

A11MSD

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Matrix: (soil/water) WATER Lab Sample ID: E7469MSD
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M1W87111.D
 Level: (low/med) LOW Date Collected: 07/23/97
 % Moisture: not dec. _____ Date Analyzed: 07/23/97
 GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
10061-01-5	cis-1,3-dichloropropene		15	
108-10-1	4-methyl-2-pentanone		70	
108-88-3	toluene		16	
10061-02-6	trans-1,3-dichloropropene		15	
79-00-5	1,1,2-trichloroethane		17	
97-63-2	ethyl methacrylate		70	
127-18-4	tetrachloroethene		9.3	
142-28-9	1,3-dichloropropane		16	
591-78-6	2-hexanone		59	
124-48-1	dibromochloromethane		14	
106-93-4	1,2-dibromoethane		17	
108-90-7	chlorobenzene		18	
630-20-6	1,1,1,2-tetrachloroethane		18	
100-41-4	ethylbenzene		17	
108-38-3;10	m/p-xylene		32	
95-47-6	o-xylene		16	
100-42-5	styrene		13	
75-25-2	bromoform		9.7	
98-82-8	isopropylbenzene		16	
108-86-1	bromobenzene		17	
79-34-5	1,1,2,2-tetrachloroethane		15	
96-18-4	1,2,3-trichloropropane		12	
110-57-6	trans-1,4-dichloro-2-butene		66	
103-65-1	n-propylbenzene		17	
95-49-8	2-chlorotoluene		16	
106-43-4	4-chlorotoluene		16	
108-67-8	1,3,5-trimethylbenzene		13	
98-06-6	tert-butylbenzene		21	
76-01-7	pentachloroethane		120	
95-63-6	1,2,4-trimethylbenzene		14	
135-98-8	sec-butylbenzene		16	
541-73-1	1,3-dichlorobenzene		17	
99-87-6	4-isopropyltoluene		16	
106-46-7	1,4-dichlorobenzene		18	
95-50-1	1,2-dichlorobenzene		17	
104-51-8	n-butylbenzene		16	
67-72-1	hexachloroethane		78	
96-12-8	1,2-dibromo-3-chloropropane		13	
120-82-1	1,2,4-trichlorobenzene		17	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

Sample Number:

A11MSD

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Matrix: (soil/water) WATER Lab Sample ID: E7469MSD
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: M1W87111.D
Level: (low/med) LOW Date Collected: 07/23/97
% Moisture: not dec. _____ Date Analyzed: 07/23/97
GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
87-68-3	hexachlorobutadiene		16	
91-20-3	naphthalene		14	
87-61-6	1,2,3-trichlorobenzene		16	

2A
 WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674

	ample Number	SMC1 DBF #	SMC2 TOL #	SMC3 BFB #	TOT OUT
01	LBLK01	94	95	94	0
02	A1	94	96	93	0
03	A2	97	94	94	0
04	A3	96	95	99	0
05	A4	95	93	93	0
06	A5	95	96	92	0
07	A6	97	95	92	0
08	A8	96	94	92	0
09	LBLK02	94	96	90	0
10	A9	95	93	93	0
11	A10	95	94	94	0
12	A11	96	94	91	0
13	A12	95	93	93	0
14	A13	96	93	91	0
15	A15	99	92	94	0
16	A19	96	95	90	0
17	BLANK	95	94	91	0
18	A11MS	97	100	89	0
19	A11MSD	96	97	91	0
20	LBLK03	94	97	91	0
21	A7	97	95	94	0
22	A14	95	95	92	0
23	A16	96	95	92	0
24	A17	98	92	90	0
25	A18	98	93	90	0
26	A20	98	96	91	0
27	TRIP BLANK	100	95	94	0

QC LIMITS

SMC1 DBF = DIBROMOFLUOROMETHANE (86-118)
 SMC2 TOL = TOLUENE-D8 (88-110)
 SMC3 BFB = 4-BROMOFLUOROBENZENE (86-115)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D System Monitoring Compound diluted out

3A
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur

Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674

Matrix Spike - Sample Number A11

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-dichloroethene	20	0.0	20	100	61 - 145
benzene	20	0.0	18	90	76 - 127
trichloroethene	20	0.0	19	95	71 - 120
toluene	20	0.0	18	90	76 - 125
chlorobenzene	20	0.0	19	95	75 - 130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-dichloroethene	20	19	95	5	20	61 - 145
benzene	20	16	80	12	20	76 - 127
trichloroethene	20	22	110	15	20	71 - 120
toluene	20	16	80	12	20	76 - 125
chlorobenzene	20	18	90	5	20	75 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

Sample Number:

LBLK01

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Lab File ID: B1W87089.D Lab Sample ID: LAB BLANK
Date Analyzed: 07/22/97 Time Analyzed: 18:31
GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: VOC1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Sample Number:	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	A1	E7460	S1W87090.D	19:09
02	A2	E7461	S1W87091.D	19:47
03	A3	E7462	S1W87092.D	20:25
04	A4	E7463	S1W87093.D	21:03
05	A5	E7464	S1W87094.D	21:41
06	A6	E7465	S1W87095.D	22:19
07	A8	E7466	S1W87096.D	22:57

COMMENTS

4A
VOLATILE METHOD BLANK SUMMARY

Sample Number:

LBLK02

Lab Name: USACHPPM/ASD/GCMS POC: Meckelbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Lab File ID: B1W87101.D Lab Sample ID: LAB BLANK
Date Analyzed: 07/23/97 Time Analyzed: 10:37
GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: VOC1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Sample Number:	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	A9	E7467	S1W87102.D	11:15
02	A10	E7468	S1W87103.D	11:53
03	A11	E7469	S1W87104.D	12:31
04	A12	E7470	S1W87105.D	13:09
05	A13	E7471	S1W87106.D	13:47
06	A15	E7472	S1W87107.D	14:26
07	A19	E7473	S1W87108.D	15:04
08	BLANK	E7474	S1W87109.D	15:42
09	A11MS	E7469MS	M1W87110.D	16:20
10	A11MSD	E7469MSD	M1W87111.D	16:58

COMMENTS

4A
VOLATILE METHOD BLANK SUMMARY

Sample Number:

LBLK03

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Lab File ID: B1W87118.D Lab Sample ID: LAB BLANK
Date Analyzed: 07/24/97 Time Analyzed: 12:54
GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N
Instrument ID: VOC1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	Sample Number:	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	A7	E7516	S1W87119.D	13:32
02	A14	E7517	S1W87120.D	14:10
03	A16	E7518	S1W87121.D	14:47
04	A17	E7519	S1W87122.D	15:25
05	A18	E7520	S1W87123.D	16:03
06	A20	E7521	S1W87124.D	16:41
07	TRIP BLANK	E7522	S1W87125.D	17:19

COMMENTS

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Lab File ID: T1S87061.D BFB Injection Date: 07/21/97
Instrument ID: VOC1 BFB Injection Time: 11:32
GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	28.1
75	30.0 - 60.0% of mass 95**	55.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	72.9
175	5.0 - 9.0% of mass 174	5.7 (7.8)1
176	95.0 - 101.0% of mass 174	72.3 (99.2)1
177	5.0 - 9.0% of mass 176	5.0 (6.8)2

** 30-80% for 524.2 1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	Sample Number:	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	10 PPB STD	C1W87071.D	07/21/97	18:22
02	VSTD020	20 PPB STD	C1W87072.D	07/21/97	19:00
03	VSTD050	50 PPB STD	C1W87073.D	07/21/97	19:38
04	VSTD100	100 PPB STD	C1W87074.D	07/21/97	20:15
05	VSTD002	2 PPB STD	C1W87076.D	07/21/97	21:30

5A
 VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: USACHPPM/ASD/GCMS POC: Meckelbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID: T1W87079.D BFB Injection Date: 07/22/97
 Instrument ID: VOC1 BFB Injection Time: 12:06
 GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.3
75	30.0 - 60.0% of mass 95**	56.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	6.0 (7.9)1
176	95.0 - 101.0% of mass 174	73.6 (97.1)1
177	5.0 - 9.0% of mass 176	5.6 (7.7)2

** 30-80% for 524.2 1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	Sample Number:	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CKSTD01	20 PPB STD	C1W87080.D	07/22/97	12:39
02	LBLK01	LAB BLANK	B1W87089.D	07/22/97	18:31
03	A1	E7460	S1W87090.D	07/22/97	19:09
04	A2	E7461	S1W87091.D	07/22/97	19:47
05	A3	E7462	S1W87092.D	07/22/97	20:25
06	A4	E7463	S1W87093.D	07/22/97	21:03
07	A5	E7464	S1W87094.D	07/22/97	21:41
08	A6	E7465	S1W87095.D	07/22/97	22:19
09	A8	E7466	S1W87096.D	07/22/97	22:57

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID: T1W87099.D BFB Injection Date: 07/23/97
 Instrument ID: VOC1 BFB Injection Time: 09:08
 GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.7
75	30.0 - 60.0% of mass 95**	56.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	89.2
175	5.0 - 9.0% of mass 174	7.1 (7.9)1
176	95.0 - 101.0% of mass 174	86.6 (97.1)1
177	5.0 - 9.0% of mass 176	6.0 (6.9)2

** 30-80% for 524.2 1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	Sample Number:	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CKSTD02	20 PPB STD	C1W87100.D	07/23/97	09:59
02	LBLK02	LAB BLANK	B1W87101.D	07/23/97	10:37
03	A9	E7467	S1W87102.D	07/23/97	11:15
04	A10	E7468	S1W87103.D	07/23/97	11:53
05	A11	E7469	S1W87104.D	07/23/97	12:31
06	A12	E7470	S1W87105.D	07/23/97	13:09
07	A13	E7471	S1W87106.D	07/23/97	13:47
08	A15	E7472	S1W87107.D	07/23/97	14:26
09	A19	E7473	S1W87108.D	07/23/97	15:04
10	BLANK	E7474	S1W87109.D	07/23/97	15:42
11	A11MS	E7469MS	M1W87110.D	07/23/97	16:20
12	A11MSD	E7469MSD	M1W87111.D	07/23/97	16:58

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID: T1W87114.D BFB Injection Date: 07/24/97
 Instrument ID: VOC1 BFB Injection Time: 10:24
 GC Column: DB624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.6
75	30.0 - 60.0% of mass 95**	57.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	94.6
175	5.0 - 9.0% of mass 174	6.6 (7.0)1
176	95.0 - 101.0% of mass 174	95.1 (100.6)1
177	5.0 - 9.0% of mass 176	6.1 (6.4)2

** 30-80% for 524.2 1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	Sample Number:	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CKSTD03	20 PPB STD	K1W87117.D	07/24/97	12:16
02	LBLK03	LAB BLANK	B1W87118.D	07/24/97	12:54
03	A7	E7516	S1W87119.D	07/24/97	13:32
04	A14	E7517	S1W87120.D	07/24/97	14:10
05	A16	E7518	S1W87121.D	07/24/97	14:47
06	A17	E7519	S1W87122.D	07/24/97	15:25
07	A18	E7520	S1W87123.D	07/24/97	16:03
08	A20	E7521	S1W87124.D	07/24/97	16:41
09	TRIP BLANK	E7522	S1W87125.D	07/24/97	17:19

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date(s): 07/21/97 07/21/97
 Heated Purge (Y/N): N Calibration Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF2 = C1W87076.D RRF10 = C1W87071.D
 RRF20 = C1W87072.D RRF50 = C1W87073.D RRF100 = C1W87074.D

COMPOUND	RRF2	RRF10	RRF20	RRF50	RRF100	RRF	% RSD
dichlorodifluoromethane	0.434	0.449	0.452	0.515	0.520	0.474	8.5
chloromethane	* 1.048	0.833	0.800	0.904	0.969	0.911	11.1 *
vinyl chloride	* 0.592	0.588	0.607	0.690	0.736	0.643	10.4 *
bromomethane	0.708	0.458	0.391	0.432	0.442	0.486	26.0
chloroethane	0.349	0.370	0.372	0.397	0.287	0.355	11.7
trichlorofluoromethane	0.673	0.715	0.725	0.820	0.839	0.754	9.5
ethyl ether	0.403	0.398	0.396	0.431	0.448	0.415	5.6
iodomethane	0.645	0.672	0.710	0.757	0.705	0.698	6.1
carbon disulfide	1.295	1.407	1.375	1.486	1.392	1.391	4.9
acetone	0.249	0.317	0.260	0.259	0.267	0.270	10.0
1,1-dichloroethene	* 0.330	0.338	0.354	0.392	0.405	0.364	9.1 *
allyl chloride	0.215	0.228	0.227	0.249	0.243	0.232	5.8
methylene chloride	0.525	0.489	0.566	0.592	0.642	0.563	10.5
acrylonitrile	0.192	0.184	0.178	0.204	0.228	0.197	10.1
methyl-t-butyl ether	1.357	1.335	1.299	1.419	1.469	1.376	4.9
trans-1,2-dichloroethene	0.529	0.509	0.506	0.550	0.550	0.529	4.1
1,1-dichloroethane	* 1.143	1.027	1.009	1.119	1.211	1.102	7.6 *
2,2-dichloropropane	0.396	0.630	0.626	0.701	0.722	0.615	21.0
cis-1,2-dichloroethene	0.590	0.553	0.542	0.592	0.630	0.581	6.1
2-butanone	0.240	0.256	0.240	0.264	0.294	0.259	8.6
propionitrile	0.037	0.056	0.051	0.063	0.073	0.056	24.4
methyl acrylate	0.440	0.444	0.431	0.503	0.566	0.477	12.1
methacrylonitrile	0.191	0.189	0.191	0.217	0.242	0.206	11.3
tetrahydrofuran	0.048	0.052	0.053	0.059	0.065	0.055	12.2
bromochloromethane	0.373	0.328	0.347	0.365	0.366	0.356	5.1
chloroform	* 1.167	1.066	1.058	1.158	1.189	1.128	5.4 *
1,1,1-trichloroethane	0.723	0.678	0.730	0.810	0.846	0.757	9.1
carbon tetrachloride	0.378	0.373	0.395	0.394	0.356	0.379	4.3
1,1-dichloropropene	0.188	0.140	0.144	0.146	0.133	0.150	14.5
1-chlorobutane	0.603	0.619	0.605	0.635	0.603	0.613	2.3
benzene	1.142	1.090	1.115	1.156	1.096	1.120	2.6
1,2-dichloroethane	0.670	0.639	0.621	0.608	0.587	0.625	5.1
trichloroethene	0.418	0.373	0.394	0.394	0.374	0.390	4.8
1,2-dichloropropane	* 0.414	0.357	0.353	0.369	0.375	0.373	6.6 *
dibromomethane	0.363	0.340	0.339	0.347	0.332	0.344	3.4
methyl methacrylate	0.214	0.223	0.225	0.234	0.231	0.225	3.5
bromodichloromethane	0.550	0.566	0.572	0.595	0.591	0.575	3.2
2-nitropropane	0.093	0.101	0.111	0.128	0.136	0.114	15.9
chloroacetonitrile	0.011	0.015	0.017	0.019	0.020	0.017	22.8

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date(s): 07/21/97 07/21/97
 Heated Purge (Y/N): N Calibration Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF2 = C1W87076.D RRF10 = C1W87071.D
 RRF20 = C1W87072.D RRF50 = C1W87073.D RRF100 = C1W87074.D

COMPOUND	RRF2	RRF10	RRF20	RRF50	RRF100	RRF	% RSD
cis-1,3-dichloropropene	0.582	0.543	0.560	0.577	0.571	0.567	2.7
4-methyl-2-pentanone	0.108	0.111	0.111	0.119	0.123	0.114	5.6
toluene *	0.684	0.653	0.670	0.686	0.651	0.669	2.4 *
trans-1,3-dichloropropene	0.418	0.476	0.493	0.525	0.520	0.486	8.9
1,1,2-trichloroethane	0.298	0.300	0.300	0.301	0.292	0.298	1.2
ethyl methacrylate	0.521	0.539	0.544	0.566	0.567	0.547	3.6
tetrachloroethene	2.324	1.453	1.273	1.089	0.903	1.408	39.1
1,3-dichloropropane	0.722	0.666	0.682	0.670	0.669	0.682	3.4
2-hexanone	0.128	0.141	0.137	0.144	0.152	0.140	6.3
dibromochloromethane	0.442	0.486	0.528	0.536	0.548	0.508	8.6
1,2-dibromoethane	0.508	0.528	0.541	0.540	0.543	0.532	2.8
chlorobenzene *	1.037	0.959	0.970	0.987	0.966	0.984	3.2 *
1,1,1,2-tetrachloroethane	0.341	0.368	0.371	0.385	0.383	0.370	4.8
ethylbenzene *	1.604	1.471	1.506	1.569	1.503	1.531	3.5 *
m/p-xylene	0.570	0.540	0.542	0.546	0.522	0.544	3.2
o-xylene	0.539	0.549	0.545	0.550	0.526	0.542	1.8
styrene	0.876	0.890	0.916	0.956	0.917	0.911	3.3
bromoform *	0.296	0.349	0.388	0.436	0.446	0.383	16.3 *
isopropylbenzene	2.279	2.156	2.194	2.310	2.276	2.243	2.9
bromobenzene	0.823	0.829	0.820	0.856	0.827	0.831	1.7
1,1,2,2-tetrachloroethane *	1.007	1.051	1.042	1.081	1.121	1.060	4.0 *
1,2,3-trichloropropane	3.220	2.234	2.318	2.478	2.630	2.576	15.2
trans-1,4-dichloro-2-butene	0.121	0.153	0.154	0.174	0.176	0.155	14.3
n-propylbenzene	3.211	3.225	3.039	3.456	3.421	3.270	5.2
2-chlorotoluene	2.166	1.938	1.985	2.063	2.080	2.046	4.3
4-chlorotoluene	2.418	2.353	2.264	2.349	2.312	2.339	2.4
1,3,5-trimethylbenzene	2.017	2.045	2.031	2.105	2.017	2.043	1.8
tert-butylbenzene	4.302	2.824	3.044	3.450	3.228	3.370	16.9
pentachloroethane	0.241	0.232	0.278	0.347	0.337	0.287	18.5
1,2,4-trimethylbenzene	2.123	2.058	2.061	2.122	2.112	2.095	1.6
sec-butylbenzene	2.782	2.415	2.454	2.571	2.546	2.554	5.6
1,3-dichlorobenzene	1.499	1.328	1.351	1.416	1.386	1.396	4.8
4-isopropyltoluene	2.187	1.896	1.917	2.026	1.937	1.992	6.0
1,4-dichlorobenzene	1.544	1.442	1.367	1.398	1.372	1.425	5.1
1,2-dichlorobenzene	1.403	1.344	1.329	1.373	1.342	1.358	2.2
n-butylbenzene	2.320	1.924	1.916	2.041	2.012	2.043	8.0
hexachloroethane	0.378	0.410	0.422	0.468	0.419	0.419	7.7
1,2-dibromo-3-chloropropane	0.214	0.205	0.210	0.218	0.235	0.216	5.4
1,2,4-trichlorobenzene	0.937	0.807	0.814	0.890	0.897	0.869	6.5

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

6A
 VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date(s): 07/21/97 07/21/97
 Heated Purge (Y/N): N Calibration Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF2 = C1W87076.D RRF10 = C1W87071.D
 RRF20 = C1W87072.D RRF50 = C1W87073.D RRF100 = C1W87074.D

COMPOUND	RRF2	RRF10	RRF20	RRF50	RRF100	<u>RRF</u>	% RSD
hexachlorobutadiene	0.594	0.372	0.368	0.399	0.391	0.425	22.5
naphthalene	1.619	1.652	1.688	1.840	1.951	1.750	8.1
1,2,3-trichlorobenzene	0.897	0.761	0.790	0.836	0.846	0.826	6.4
DIBROMOFLUOROMETHAN	0.749	0.738	0.736	0.786	0.834	0.768	5.4
TOLUENE-D8	0.943	0.935	0.930	0.961	0.938	0.941	1.3
4-BROMOFLUOROBENZENE	1.123	1.174	1.156	1.187	1.237	1.175	3.6

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date: 07/22/97 Time: 12:39
 Lab File ID: C1W87080.D Init. Calib. Date(s): 07/21/97 07/21/97
 Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
dichlorodifluoromethane	0.474	0.415		12.5	
chloromethane	0.911	0.665	0.100	27.0	
vinyl chloride	0.643	0.534		16.9	
bromomethane	0.486	0.394		19.0	
chloroethane	0.355	0.370		-4.2	
trichlorofluoromethane	0.754	0.691		8.4	
ethyl ether	0.415	0.411		0.9	
iodomethane	0.698	0.759		-8.8	
carbon disulfide	1.391	1.426		-2.5	
acetone	0.270	0.183		32.5	
1,1-dichloroethene	0.364	0.371		-1.9	
allyl chloride	0.232	0.243		-4.6	
methylene chloride	0.563	0.614		-9.0	
acrylonitrile	0.197	0.175		11.3	
methyl-t-butyl ether	1.376	1.331		3.3	
trans-1,2-dichloroethene	0.529	0.530		-0.2	
1,1-dichloroethane	1.102	1.043	0.100	5.4	0.0
2,2-dichloropropane	0.615	0.743		-20.8	
cis-1,2-dichloroethene	0.581	0.547		5.9	
2-butanone	0.259	0.188		27.4	
propionitrile	0.056	0.050		10.0	
methyl acrylate	0.477	0.414		13.1	
methacrylonitrile	0.206	0.180		12.4	
tetrahydrofuran	0.055	0.050		10.8	
bromochloromethane	0.356	0.338		4.9	
chloroform	1.128	1.050		6.9	
1,1,1-trichloroethane	0.757	0.751		0.7	
carbon tetrachloride	0.379	0.405		-6.7	
1,1-dichloropropene	0.150	0.149		0.8	
1-chlorobutane	0.613	0.593		3.3	
benzene	1.120	1.086		3.0	
1,2-dichloroethane	0.625	0.614		1.8	
trichloroethene	0.390	0.379		2.8	
1,2-dichloropropane	0.373	0.329		11.8	
dibromomethane	0.344	0.324		6.0	
methyl methacrylate	0.225	0.204		9.5	
bromodichloromethane	0.575	0.597		-3.8	
2-nitropropane	0.114	0.115		-1.0	
chloroacetonitrile	0.017	0.017		-4.8	

All other compounds must meet a minimum RRF of 0.010.

7A
 VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date: 07/22/97 Time: 12:39
 Lab File ID: C1W87080.D Init. Calib. Date(s): 07/21/97 07/21/97
 Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
cis-1,3-dichloropropene	0.567	0.562		0.8	
4-methyl-2-pentanone	0.114	0.103		10.1	
toluene	0.669	0.662		1.1	
trans-1,3-dichloropropene	0.486	0.498		-2.5	
1,1,2-trichloroethane	0.298	0.279		6.3	
ethyl methacrylate	0.547	0.514		6.2	
tetrachloroethene	1.408	0.473		66.4	
1,3-dichloropropane	0.682	0.655		4.0	
2-hexanone	0.140	0.114		19.1	
dibromochloromethane	0.508	0.520		-2.4	
1,2-dibromoethane	0.532	0.518		2.7	
chlorobenzene	0.984	0.965	0.300	1.9	0.0
1,1,1,2-tetrachloroethane	0.370	0.370		-0.2	
ethylbenzene	1.531	1.474		3.7	
m/p-xylene	0.544	0.545		-0.2	
o-xylene	0.542	0.530		2.1	
styrene	0.911	0.895		1.8	
bromoform	0.383	0.390	0.100	-1.7	0.0
isopropylbenzene	2.243	2.203		1.8	
bromobenzene	0.831	0.792		4.7	
1,1,2,2-tetrachloroethane	1.060	0.990	0.300	6.6	0.0
1,2,3-trichloropropane	2.576	2.221		13.8	
trans-1,4-dichloro-2-butene	0.155	0.149		3.8	
n-propylbenzene	3.270	3.152		3.6	
2-chlorotoluene	2.046	1.938		5.3	
4-chlorotoluene	2.339	2.284		2.3	
1,3,5-trimethylbenzene	2.043	2.002		2.0	
tert-butylbenzene	3.370	4.042		-20.0	
pentachloroethane	0.287	0.502		-75.0	
1,2,4-trimethylbenzene	2.095	1.982		5.4	
sec-butylbenzene	2.554	2.391		6.4	
1,3-dichlorobenzene	1.396	1.320		5.4	
4-isopropyltoluene	1.992	1.876		5.8	
1,4-dichlorobenzene	1.425	1.347		5.5	
1,2-dichlorobenzene	1.358	1.316		3.1	
n-butylbenzene	2.043	1.838		10.0	
hexachloroethane	0.419	0.428		-2.0	
1,2-dibromo-3-chloropropane	0.216	0.190		12.2	
1,2,4-trichlorobenzene	0.869	0.814		6.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Instrument ID: VOC1 Calibration Date: 07/22/97 Time: 12:39
Lab File ID: C1W87080.D Init. Calib. Date(s): 07/21/97 07/21/97
Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
hexachlorobutadiene	0.425	0.371		12.6	
naphthalene	1.750	1.669		4.6	
1,2,3-trichlorobenzene	0.826	0.775		6.1	
DIBROMOFLUOROMETHANE	0.768	0.744		3.2	
TOLUENE-D8	0.941	0.925		1.7	
4-BROMOFLUOROBENZENE	1.175	1.107		5.8	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date: 07/23/97 Time: 09:59
 Lab File ID: C1W87100.D Init. Calib. Date(s): 07/21/97 07/21/97
 Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
dichlorodifluoromethane	0.474	0.687		-45.0	
chloromethane	0.911	0.589	0.100	35.4	
vinyl chloride	0.643	0.530		17.5	
bromomethane	0.486	0.419		13.7	
chloroethane	0.355	0.381		-7.2	
trichlorofluoromethane	0.754	0.782		-3.7	
ethyl ether	0.415	0.381		8.4	
iodomethane	0.698	0.862		-23.5	
carbon disulfide	1.391	1.320		5.1	
acetone	0.270	0.246		9.1	
1,1-dichloroethene	0.364	0.394		-8.2	
allyl chloride	0.232	0.232		0.2	
methylene chloride	0.563	0.539		4.3	
acrylonitrile	0.197	0.135		31.3	
methyl-t-butyl ether	1.376	1.206		12.4	
trans-1,2-dichloroethene	0.529	0.498		5.8	
1,1-dichloroethane	1.102	0.921	0.100	16.5	0.0
2,2-dichloropropane	0.615	0.741		-20.5	
cis-1,2-dichloroethene	0.581	0.530		8.8	
2-butanone	0.259	0.186		28.3	
propionitrile	0.056	0.040		29.1	
methyl acrylate	0.477	0.347		27.1	
methacrylonitrile	0.206	0.155		24.8	
tetrahydrofuran	0.055	0.044		20.3	
bromochloromethane	0.356	0.346		2.7	
chloroform	1.128	1.032		8.5	
1,1,1-trichloroethane	0.757	0.771		-1.9	
carbon tetrachloride	0.379	0.444		-17.0	
1,1-dichloropropene	0.150	0.150		0.3	
1-chlorobutane	0.613	0.557		9.2	
benzene	1.120	1.060		5.3	
1,2-dichloroethane	0.625	0.636		-1.8	
trichloroethene	0.390	0.380		2.6	
1,2-dichloropropane	0.373	0.304		18.5	
dibromomethane	0.344	0.323		6.3	
methyl methacrylate	0.225	0.184		18.3	
bromodichloromethane	0.575	0.601		-4.5	
2-nitropropane	0.114	0.103		9.7	
chloroacetonitrile	0.017	0.014		14.5	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date: 07/23/97 Time: 09:59
 Lab File ID: C1W87100.D Init. Calib. Date(s): 07/21/97 07/21/97
 Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
cis-1,3-dichloropropene	0.567	0.537		5.2	
4-methyl-2-pentanone	0.114	0.087		23.9	
toluene	0.669	0.643		3.9	
trans-1,3-dichloropropene	0.486	0.484		0.5	
1,1,2-trichloroethane	0.298	0.278		6.8	
ethyl methacrylate	0.547	0.480		12.4	
tetrachloroethene	1.408	0.532		62.2	
1,3-dichloropropane	0.682	0.651		4.6	
2-hexanone	0.140	0.108		22.8	
dibromochloromethane	0.508	0.517		-1.8	
1,2-dibromoethane	0.532	0.506		4.8	
chlorobenzene	0.984	0.981	0.300	0.3	0.0
1,1,1,2-tetrachloroethane	0.370	0.394		-6.5	
ethylbenzene	1.531	1.512		1.2	
m/p-xylene	0.544	0.554		-1.9	
o-xylene	0.542	0.535		1.3	
styrene	0.911	0.914		-0.3	
bromoform	0.383	0.375	0.100	2.1	0.0
isopropylbenzene	2.243	2.202		1.8	
bromobenzene	0.831	0.795		4.3	
1,1,2,2-tetrachloroethane	1.060	0.877	0.300	17.3	0.0
1,2,3-trichloropropane	2.576	1.886		26.8	
trans-1,4-dichloro-2-butene	0.155	0.129		17.1	
n-propylbenzene	3.270	3.081		5.8	
2-chlorotoluene	2.046	1.867		8.8	
4-chlorotoluene	2.339	2.251		3.7	
1,3,5-trimethylbenzene	2.043	2.040		0.2	
tert-butylbenzene	3.370	4.099		-21.6	
pentachloroethane	0.287	0.486		-69.3	
1,2,4-trimethylbenzene	2.095	2.064		1.5	
sec-butylbenzene	2.554	2.366		7.3	
1,3-dichlorobenzene	1.396	1.317		5.6	
4-isopropyltoluene	1.992	1.946		2.3	
1,4-dichlorobenzene	1.425	1.388		2.6	
1,2-dichlorobenzene	1.358	1.309		3.6	
n-butylbenzene	2.043	1.889		7.5	
hexachloroethane	0.419	0.388		7.4	
1,2-dibromo-3-chloropropane	0.216	0.166		23.0	
1,2,4-trichlorobenzene	0.869	0.778		10.4	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: Meckelbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Instrument ID: VOC1 Calibration Date: 07/23/97 Time: 09:59
Lab File ID: C1W87100.D Init. Calib. Date(s): 07/21/97 07/21/97
Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
hexachlorobutadiene	0.425	0.367		13.7	
naphthalene	1.750	1.415		19.1	
1,2,3-trichlorobenzene	0.826	0.707		14.4	
DIBROMOFLUOROMETHANE	0.768	0.747		2.8	
TOLUENE-D8	0.941	0.917		2.5	
4-BROMOFLUOROBENZENE	1.175	1.070		9.0	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Instrument ID: VOC1 Calibration Date: 07/24/97 Time: 12:16
Lab File ID: K1W87117.D Init. Calib. Date(s): 07/21/97 07/21/97
Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
dichlorodifluoromethane	0.474	0.678		-43.1	
chloromethane	0.911	0.712	0.100	21.9	
vinyl chloride	0.643	0.550		14.4	
bromomethane	0.486	0.410		15.7	
chloroethane	0.355	0.375		-5.7	
trichlorofluoromethane	0.754	0.804		-6.6	
ethyl ether	0.415	0.382		8.0	
iodomethane	0.698	0.871		-24.9	
carbon disulfide	1.391	1.528		-9.9	
acetone	0.270	0.223		17.4	
1,1-dichloroethene	0.364	0.409		-12.5	
allyl chloride	0.232	0.250		-7.5	
methylene chloride	0.563	0.565		-0.4	
acrylonitrile	0.197	0.144		26.8	
methyl-t-butyl ether	1.376	1.235		10.2	
trans-1,2-dichloroethene	0.529	0.526		0.5	
1,1-dichloroethane	1.102	0.967	0.100	12.3	0.0
2,2-dichloropropane	0.615	0.771		-25.4	
cis-1,2-dichloroethene	0.581	0.547		5.9	
2-butanone	0.259	0.186		28.2	
propionitrile	0.056	0.043		22.9	
methyl acrylate	0.477	0.360		24.5	
methacrylonitrile	0.206	0.163		20.7	
tetrahydrofuran	0.055	0.042		23.8	
bromochloromethane	0.356	0.354		0.6	
chloroform	1.128	1.094		3.0	
1,1,1-trichloroethane	0.757	0.764		-1.0	
carbon tetrachloride	0.379	0.448		-18.2	
1,1-dichloropropene	0.150	0.152		-1.3	
1-chlorobutane	0.613	0.597		2.6	
benzene	1.120	1.109		0.9	
1,2-dichloroethane	0.625	0.698		-11.7	
trichloroethene	0.390	0.389		0.2	
1,2-dichloropropane	0.373	0.324		13.2	
dibromomethane	0.344	0.343		0.3	
methyl methacrylate	0.225	0.194		13.8	
bromodichloromethane	0.575	0.615		-6.9	
2-nitropropane	0.114	0.104		9.1	
chloroacetonitrile	0.017	0.015		9.7	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Instrument ID: VOC1 Calibration Date: 07/24/97 Time: 12:16
 Lab File ID: K1W87117.D Init. Calib. Date(s): 07/21/97 07/21/97
 Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
 GC Column: DB624 ID: 0.53 (mm)

COMPOUND	RRF	RRF2	MIN RRF	% D	MAX % D
cis-1,3-dichloropropene	0.567	0.565		0.3	
4-methyl-2-pentanone	0.114	0.091		20.3	
toluene	0.669	0.672		-0.4	
trans-1,3-dichloropropene	0.486	0.518		-6.6	
1,1,2-trichloroethane	0.298	0.290		2.7	
ethyl methacrylate	0.547	0.488		10.9	
tetrachloroethene	1.408	0.595		57.8	
1,3-dichloropropane	0.682	0.660		3.2	
2-hexanone	0.140	0.106		24.5	
dibromochloromethane	0.508	0.519		-2.1	
1,2-dibromoethane	0.532	0.529		0.5	
chlorobenzene	0.984	1.004	0.300	-2.1	0.0
1,1,1,2-tetrachloroethane	0.370	0.390		-5.6	
ethylbenzene	1.531	1.549		-1.2	
m/p-xylene	0.544	0.568		-4.4	
o-xylene	0.542	0.549		-1.3	
styrene	0.911	0.934		-2.5	
bromoform	0.383	0.380	0.100	0.8	0.0
isopropylbenzene	2.243	2.247		-0.2	
bromobenzene	0.831	0.829		0.2	
1,1,2,2-tetrachloroethane	1.060	0.927	0.300	12.6	0.0
1,2,3-trichloropropane	2.576	1.975		23.3	
trans-1,4-dichloro-2-butene	0.155	0.135		13.3	
n-propylbenzene	3.270	3.232		1.2	
2-chlorotoluene	2.046	1.923		6.0	
4-chlorotoluene	2.339	2.381		-1.8	
1,3,5-trimethylbenzene	2.043	2.070		-1.3	
tert-butylbenzene	3.370	4.141		-22.9	
pentachloroethane	0.287	0.505		-75.8	
1,2,4-trimethylbenzene	2.095	2.086		0.4	
sec-butylbenzene	2.554	2.420		5.2	
1,3-dichlorobenzene	1.396	1.354		3.0	
4-isopropyltoluene	1.992	1.994		-0.1	
1,4-dichlorobenzene	1.425	1.428		-0.3	
1,2-dichlorobenzene	1.358	1.349		0.7	
n-butylbenzene	2.043	1.944		4.8	
hexachloroethane	0.419	0.435		-3.7	
1,2-dibromo-3-chloropropane	0.216	0.186		13.8	
1,2,4-trichlorobenzene	0.869	0.824		5.2	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
Instrument ID: VOC1 Calibration Date: 07/24/97 Time: 12:16
Lab File ID: K1W87117.D Init. Calib. Date(s): 07/21/97 07/21/97
Heated Purge: (Y/N) N Init. Calib. Times: 18:22 21:30
GC Column: DB624 ID: 0.53 (mm)

COMPOUND	<u>RRF</u>	<u>RRF2</u>	<u>MIN</u> <u>RRF</u>	<u>% D</u>	<u>MAX</u> <u>% D</u>
hexachlorobutadiene	0.425	0.398		6.5	
naphthalene	1.750	1.527		12.8	
1,2,3-trichlorobenzene	0.826	0.772		6.6	
DIBROMOFLUOROMETHANE	0.768	0.744		3.2	
TOLUENE-D8	0.941	0.940		0.1	
4-BROMOFLUOROBENZENE	1.175	1.068		9.1	

All other compounds must meet a minimum RRF of 0.010.

8A
 VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM/ASD/GCMS POC: Meckelnbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID (Standard): C1W87080.D Date Analyzed: 07/22/97
 Instrument ID: VOC1 Time Analyzed: 12:39
 GC Column: DB624 ID: 0.53 (mm) Heated Purge (Y/N): N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1267730	13.09	1921259	14.37	1570966	19.68
UPPER LIMIT	2535460	12.59	3842518	13.87	3141932	19.18
LOWER LIMIT	633865	13.59	960630	14.87	785483	20.18
ample Number						
01 LBLK01	1262732	13.08	1899820	14.37	1466205	19.68
02 A1	1231184	13.09	1791856	14.37	1430971	19.67
03 A2	1211486	13.10	1773338	14.37	1406954	19.67
04 A3	1206856	13.10	1751836	14.38	1378433	19.67
05 A4	1188956	13.10	1706307	14.37	1376575	19.66
06 A5	1182795	13.09	1671885	14.38	1356546	19.67
07 A6	1175727	13.09	1701298	14.36	1359237	19.67
08 A8	1152018	13.08	1655292	14.35	1308254	19.66

IS1 = PENTAFLUOROBENZE
 IS2 = 1,4-DIFLUOROBENZEN
 IS3 = CHLOROBENZENE-D5
 IS4 = 1,4-DICHLOROBENZEN

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

8A
 VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID (Standard): C1W87080.D Date Analyzed: 07/22/97
 Instrument ID: VOC1 Time Analyzed: 12:39
 GC Column: DB624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS4					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	866686	24.23				
UPPER LIMIT	1733372	23.73				
LOWER LIMIT	433343	24.73				
EPA SAMPLE NO.						
01 LBLK01	813130	24.23				
02 A1	795875	24.23				
03 A2	778839	24.23				
04 A3	751380	24.23				
05 A4	754935	24.22				
06 A5	745278	24.23				
07 A6	746071	24.23				
08 A8	735569	24.23				

IS1 = PENTAFLUOROBENZE
 IS2 = 1,4-DIFLUOROBENZEN
 IS3 = CHLOROBENZENE-D5
 IS4 = 1,4-DICHLOROBENZEN

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

8A
 VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID (Standard): C1W87100.D Date Analyzed: 07/23/97
 Instrument ID: VOC1 Time Analyzed: 09:59
 GC Column: DB624 ID: 0.53 (mm) Heated Purge (Y/N): N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1203632	13.08	1785625	14.36	1448131	19.67
UPPER LIMIT	2407264	12.58	3571250	13.86	2896262	19.17
LOWER LIMIT	601816	13.58	892813	14.86	724066	20.17
ample Number						
01 LBLK02	1171369	13.08	1706427	14.35	1327441	19.66
02 A9	1147682	13.09	1633241	14.36	1294478	19.66
03 A10	1158397	13.07	1648426	14.35	1257676	19.66
04 A11	1125161	13.08	1588799	14.35	1269284	19.66
05 A12	1126426	13.09	1583860	14.37	1252415	19.66
06 A13	1103453	13.10	1558197	14.37	1216119	19.66
07 A15	1088858	13.07	1552620	14.34	1247665	19.66
08 A19	1084523	13.08	1533504	14.35	1245117	19.65
09 BLANK	1093944	13.08	1570077	14.36	1229026	19.66
10 A11MS	1156908	13.07	1607499	14.36	1354397	19.66
11 A11MSD	1186081	13.08	1708955	14.35	1412603	19.65

IS1 = PENTAFLUOROBENZE
 IS2 = 1,4-DIFLUOROBENZEN
 IS3 = CHLOROBENZENE-D5
 IS4 = 1,4-DICHLOROBENZEN

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

8A
 VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID (Standard): C1W87100.D Date Analyzed: 07/23/97
 Instrument ID: VOC1 Time Analyzed: 09:59
 GC Column: DB624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	822080	24.22				
UPPER LIMIT	1644160	23.72				
LOWER LIMIT	411040	24.72				
EPA SAMPLE NO.						
01 LBLK02	749941	24.23				
02 A9	707502	24.22				
03 A10	692891	24.22				
04 A11	703875	24.22				
05 A12	691076	24.22				
06 A13	689418	24.21				
07 A15	669553	24.21				
08 A19	689392	24.20				
09 BLANK	693567	24.20				
10 A11MS	779626	24.22				
11 A11MSD	787927	24.20				

IS1 = PENTAFLUOROBENZE
 IS2 = 1,4-DIFLUOROBENZEN
 IS3 = CHLOROBENZENE-D5
 IS4 = 1,4-DICHLOROBENZEN

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

8A
 VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID (Standard): K1W87117.D Date Analyzed: 07/24/97
 Instrument ID: VOC1 Time Analyzed: 12:16
 GC Column: DB624 ID: 0.53 (mm) Heated Purge (Y/N): N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	1145126	13.08	1675435	14.35	1379324	19.66
UPPER LIMIT	2290252	12.58	3350870	13.85	2758648	19.16
LOWER LIMIT	572563	13.58	837718	14.85	689662	20.16
ample Number						
01 LBLK03	1138402	13.09	1676370	14.35	1304141	19.65
02 A7	1107308	13.08	1594067	14.36	1266987	19.66
03 A14	1114733	13.09	1556713	14.36	1237500	19.66
04 A16	1071392	13.07	1549773	14.35	1224600	19.66
05 A17	1059503	13.08	1515668	14.35	1207462	19.66
06 A18	1070063	13.08	1537593	14.36	1183365	19.66
07 A20	1061333	13.08	1505984	14.35	1219092	19.66
08 TRIP BLANK	1039878	13.08	1509298	14.35	1216003	19.65

IS1 = PENTAFLUOROBENZE
 IS2 = 1,4-DIFLUOROBENZEN
 IS3 = CHLOROBENZENE-D5
 IS4 = 1,4-DICHLOROBENZEN

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

8A
 VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: USACHPPM/ASD/GCMS POC: MeckelInbur
 Team: VOC Site: USARC A Method: 8260A Project #: 38-EH-674
 Lab File ID (Standard): K1W87117.D Date Analyzed: 07/24/97
 Instrument ID: VOC1 Time Analyzed: 12:16
 GC Column: DB624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS4 AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	778990	24.21				
UPPER LIMIT	1557980	23.71				
LOWER LIMIT	389495	24.71				
EPA SAMPLE NO.						
01 LBLK03	729213	24.21				
02 A7	677578	24.21				
03 A14	677154	24.21				
04 A16	678771	24.21				
05 A17	685939	24.21				
06 A18	678679	24.21				
07 A20	675098	24.21				
08 TRIP BLANK	661096	24.21				

IS1 = PENTAFLUOROBENZE
 IS2 = 1,4-DIFLUOROBENZEN
 IS3 = CHLOROBENZENE-D5
 IS4 = 1,4-DICHLOROBENZEN

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
 * Values outside of contract required QC limits

TABLE G-2. DETECTION LIMIT FOR TOTAL PETROLEUM HYDROCARBONS IN GROUND WATER (in mg/L).

<u>PARAMETER</u>	<u>DETECTION LIMIT (mg/L)</u>
Total Petroleum Hydrocarbons	0.20

NOTES:

Samples were collected from 17 July 1997 to 21 July 1997. Samples were received on 22 and 24 July 1997. Analysis was performed in accordance with protocols established under EPA Method 418.1.

TABLE G-3. DETECTION LIMITS FOR DISSOLVED METALS IN GROUND WATER (in mg/L).

Parameter	Detection Limit
Silver	0.010
Antimony	0.002
Barium	<0.012
Cobalt	0.050
Copper	0.020
Lead	0.002
Mercury	0.0002
Selenium	0.002
Zinc	0.020
Arsenic	0.002
Beryllium	0.002
Cadmium	0.002
Chromium	0.002
Nickel	0.005
Thallium	0.002

NOTE: Dissolved metals quality control data are provided on the following 4 pages:

Laboratory Control Sample Report

DLS Job: 7A7628 Installation: USARC-AMITYVILLE

Target	Date	Sample #	Matrix	Observed	Theoretical	Units	% Recovery	Analyst	Method
AS	04-Aug-97	97ASD 3-35	NW	107	100	ug/L	107.0	SDN	EPA 6020
BE	04-Aug-97	97ASD 3-35	NW	106	100	ug/L	106.0	SDN	EPA 6020
CD	04-Aug-97	97ASD 3-35	NW	102	100	ug/L	102.0	SDN	EPA 6020
CR	04-Aug-97	97ASD 3-35	NW	102	100	ug/L	102.0	SDN	EPA 6020
NI	04-Aug-97	97ASD 3-35	NW	100	100	ug/L	100.0	SDN	EPA 6020
TL	04-Aug-97	97ASD 3-35	NW	105	100	ug/L	105.0	SDN	EPA 6020
PB	05-Aug-97	97ASD 3-36	NW	0.052	0.05	mg/L	104.0	LM	EPA 7421
SE	04-Aug-97	97ASD 3-36	NW	0.0564	0.05	mg/L	112.8	LM	EPA 7740
AG	25-Jul-97	97ASD3-34	NW	0.06	0.05	mg/L	120.0	RAS	EPA 6010A
BA	25-Jul-97	97ASD3-34	NW	0.221	0.2	mg/L	110.5	RAS	EPA 6010A
CO	25-Jul-97	97ASD3-34	NW	0.218	0.2	mg/L	109.0	RAS	EPA 6010A
CU	25-Jul-97	97ASD3-34	NW	0.21	0.2	mg/L	105.0	RAS	EPA 6010A
ZN	25-Jul-97	97ASD3-34	NW	0.214	0.2	mg/L	107.0	RAS	EPA 6010A
HG	30-Jul-97	97ASD3-40	NW	4.72	5	ug/L	94.4	EFG	EPA 7470A
SB	05-Aug-97	QS 97ASD3-36	NW	0.0436	0.05	mg/L	87.2	LM	EPA 7041

Post Digested Spike Sample Report

DLS Job: 7A7628 **Installation:** USARC-AMITYVILLE

Target	Date	Sample #	Matrix	Initial Result	Sample Volume	Spike Solution Conc	Spike Volume	Spiked Result	Units	% Recovery	Analyst	Method
AG	7/25/97	E7460	NW	< 0.01	9	1	1	0.085	mg/L	85.0	RAS	EPA 6010A
BA	7/25/97	E7460	NW	< 0.01	9	1	1	0.13	mg/L	130.0	RAS	EPA 6010A
CO	7/25/97	E7460	NW	< 0.05	9	1	1	0.099	mg/L	99.0	RAS	EPA 6010A
CU	7/25/97	E7460	NW	< 0.02	9	2	1	0.176	mg/L	88.0	RAS	EPA 6010A
PB	8/5/97	E7460	NW	< 0.002	1	1	0.025	0.024	mg/L	98.4	LM	EPA 7421
SB	8/5/97	E7460	NW	< 0.002	1	1	0.025	0.0239	mg/L	98.0	LM	EPA 7041
SE	8/4/97	E7460	NW	< 0.002	1	1	0.025	0.0243	mg/L	99.6	LM	EPA 7740
ZN	7/25/97	E7460	NW	0.037	9	1	1	0.135	mg/L	101.7	RAS	EPA 6010A
HG	7/30/97	E7473	NW	< 0.2	10	10	1	0.88	ug/L	96.8	EFG	EPA 7470A
AS	8/4/97	E7521	NW	< 2	10	1000	0.2	19.6	ug/L	100.0	SDN	EPA 6020
BE	8/4/97	E7521	NW	< 2	10	1000	0.2	19.6	ug/L	100.0	SDN	EPA 6020
CD	8/4/97	E7521	NW	< 2	10	1000	0.2	18.4	ug/L	93.8	SDN	EPA 6020
CR	8/4/97	E7521	NW	4	10	1000	0.2	22	ug/L	92.2	SDN	EPA 6020
HG	7/30/97	E7521	NW	< 0.2	10	10	1	0.94	ug/L	103.4	EFG	EPA 7470A
NI	8/4/97	E7521	NW	6.4	10	1000	0.2	27	ug/L	105.7	SDN	EPA 6020
TL	8/4/97	E7521	NW	< 2	10	1000	0.2	19	ug/L	96.9	SDN	EPA 6020

Pre-digested Spike Sample Report

DLS Job: 7A7628 Installation: USARC-AMITYVILLE

Target	Date	Sample #	Matrix	Initial Result	Spiked Result	Theoretical Spike Amount	Units	% Recovery	Analyst	Method
HG	7/30/97	E7460	NW	< 0.2	0.88	1	ug/L	88.0	EFG	EPA 7470A
HG	7/30/97	E7516	NW	< 0.2	0.99	1	ug/L	99.0	EFG	EPA 7470A

Pre-digested Duplicate Sample Report

DLS Job: 7A7628 Installation: USARC-AMITYVILLE

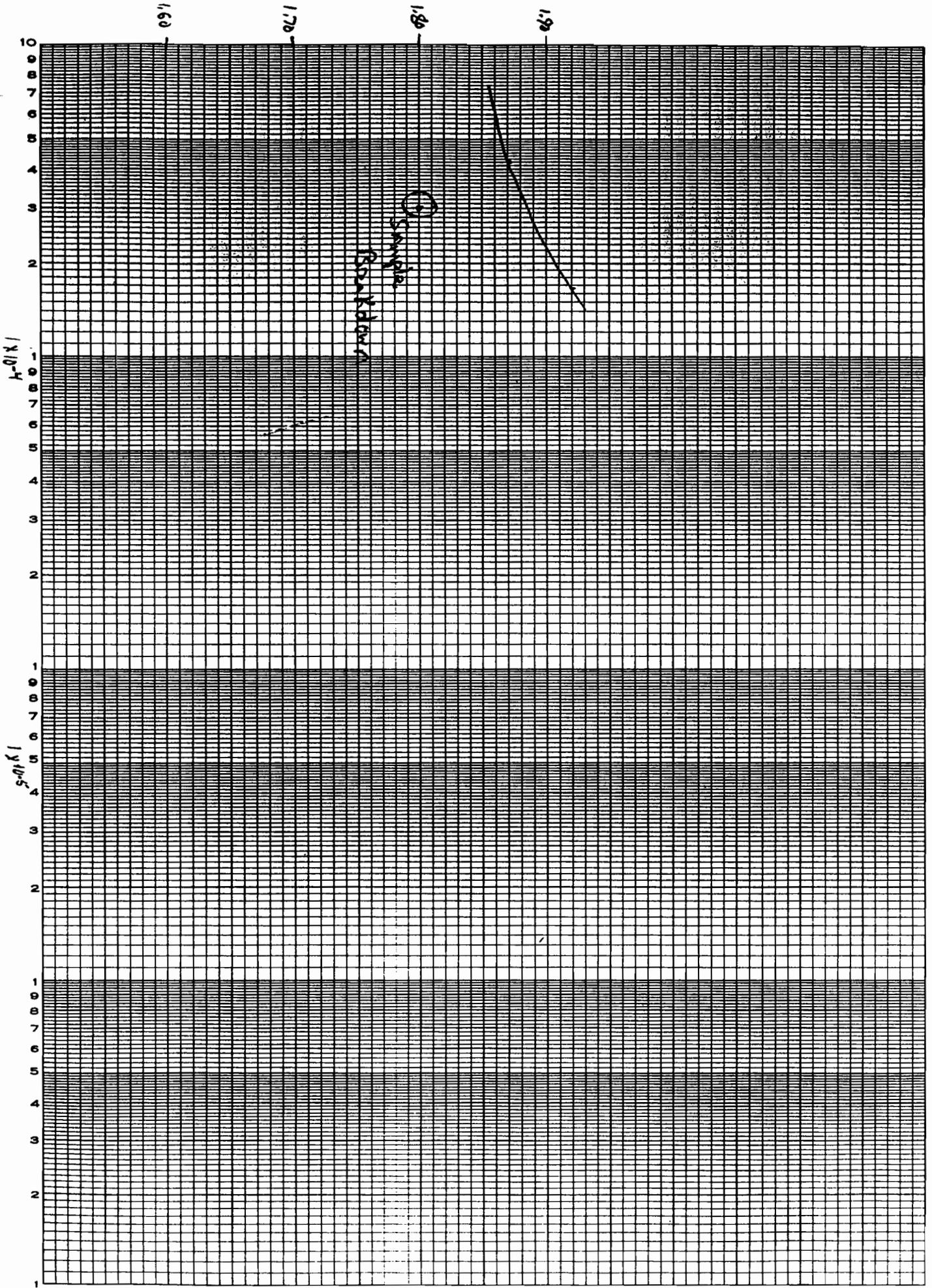
Target	Date	Sample #	Matrix	Initial Result	Duplicate Result	Units	RPD	Analyst	Method
HG	7/30/97	E7460	NW	0.88	0.87	ug/L	1.14	EFG	EPA 7470A
HG	7/30/97	E7516	NW	0.99	0.98	ug/L	1.02	EFG	EPA 7470A

Geohydrologic Study No. 38-EH-6746-97, 16-22 July 1997

APPENDIX H
PERMEABILITY

DIETZEN CORPORATION
MADE IN U.S.A.

NO. 340R-L-10 DIETZEN GRAPH PAPER
SEMI-LOGARITHMIC
4 CYCLES X 10 DIVISIONS PER INCH



PERMEABILITY TEST DATA

PROJECT FRYVILLE DATE 12-16-97 BORE HOLE NO. RI4 SAMPLE DEPTH 8.1'-8.7'

SPEC GRAVITY 2.7 PEN CHIEFER 3.34 DIAMETER 8.73 STRAP PIPE DIAMETER 0.731400 REEF 0.420168

RUN NUMBER 1 DIST SAMPLE-TOP OF CHIEFER 0.3 TIME, MIN 2.0833 HEAD 1.0 CONSTANT 2.0 FULL WELL 3.0 FULL BENCH 1
2 0.3 2.0833

WT OF WET SOIL + CHIEFER 245.97 WT OF CHIEFER 123.31 WT OF WET SOIL 122.66

TRICE NUMBER 138 WT WET +TRICE 154.23 WT DRY +TRICE 139.66 WT WATER 14.57 WT OF TRICE 39.23 WT DRY SOIL 106.43 WATER CONTENT 13.69

RUN NUMBER 1 SAMPLE LENGTH 6.94 TEMP, DEGS C 24 TIME, SEC 124.998 QUANTITY FLOW 10 PSI OR HS 42 PERM RATE 2.03E-06 FORM HT 30C 1.84E-06
2 6.94 24 124.998 310 HF 22 6.30E-04 5.70E-04

SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HAND 4. 3-MOILD WATER HEAD 3084.6 PERM RATE 2.94E-04

VOID RATIO 0.4943604485 SHRINKAGE, % 74.789473733 POROSITY 39.081292746 DRY DENSITY 1.8088060389

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

PERMEABILITY TEST DATA

PROJECT MILTVILLE DATE 12-16-97 BORE HOLE NO. R14 SAMPLE DEPTH 8.1'-8.7'

SPEC GRAVITY 2.7 PEGN ORHBER 3.94 DIRMETER 8.73 STRIPIPIPE 0.731400 PEGN 0.420168

RUN NUMBER 1 DIST 0.5 SAMPLE-TOP OF ORHBER 6.9167 TIME, MIN 7.3667 HEAD 1.0000 2. FULL WGL 3. FULL BENCH

MT OF WET SOIL + ORHBER 245.97 MT OF ORHBER 123.31 MT OF WET SOIL 122.66

TRIE NUMBER 139 MT WET +TRIE 154.23 MT ORY +TRIE 139.66 MT WATER 14.57 MT OF TRIE 33.29 MT ORY SOIL 106.43 WATER CONTENT 13.69

RUN NUMBER 1 SAMPLE LENGTH 6.64 TEMP, DEG C 24 TIME, SEC 415.002 QUANTITY FLOW 10 PSI OR H₀ 42 PEGN RATE 4.50E-04 PEGN RT 200C 4.50E-04

SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HAND 4. 3-VOID 5. WRITER HEAD 22 PEGN RATE 4.23E-04 PEGN RT 200C 4.23E-04

VOID RATIO 0.4506593881 SATURATION, % 82.019331583 POROSITY 31.06669034 ORY DENSITY 1.8612283361

TECHNICIAN PIPPEN REPORTED BY PIPPEN CHECKED BY

PERMEABILITY TEST DATA

PROJECT FRITTSVILLE DATE 12-16-97 BORE HOLE NO. H14 SAMPLE DEPTH 8.1'-8.7'

SPEC GRAVITY 2.7 PERM ORIFICE 3.34 ORIFICE 8.73 STRIPIPIPE 0.731400 PERM 0.420168

RUN NUMBER 1 DIST SAMPLE TOP OF ORIFICE 0.7 TIME, MIN 16.1667 HEAD 1.0 CONSTANT 2.0 FULL BENCH 3
2 20.8167

WT OF WET SOIL + ORIFICE 245.97 WT OF ORIFICE 123.31 WT OF WET SOIL 122.66

TRICE NUMBER 139 WT NET +TRICE 154.23 WT DRY +TRICE 139.66 WT WATER 14.57 WT OF TRICE 39.23 WT DRY SOIL 106.43 WATER CONTENT 13.69

RUN NUMBER	SAMPLE LENGTH	TEMP, DEG C	TIME, SEC	DIFFERENTIAL	FLUX	PSI OR Hg	PERM RT 1	PERM RT 200
1	6.44	24	970.002	10	42		2.06E-04	1.87E-04
2		24	1249.002	310	HP		1.60E-04	1.43E-04

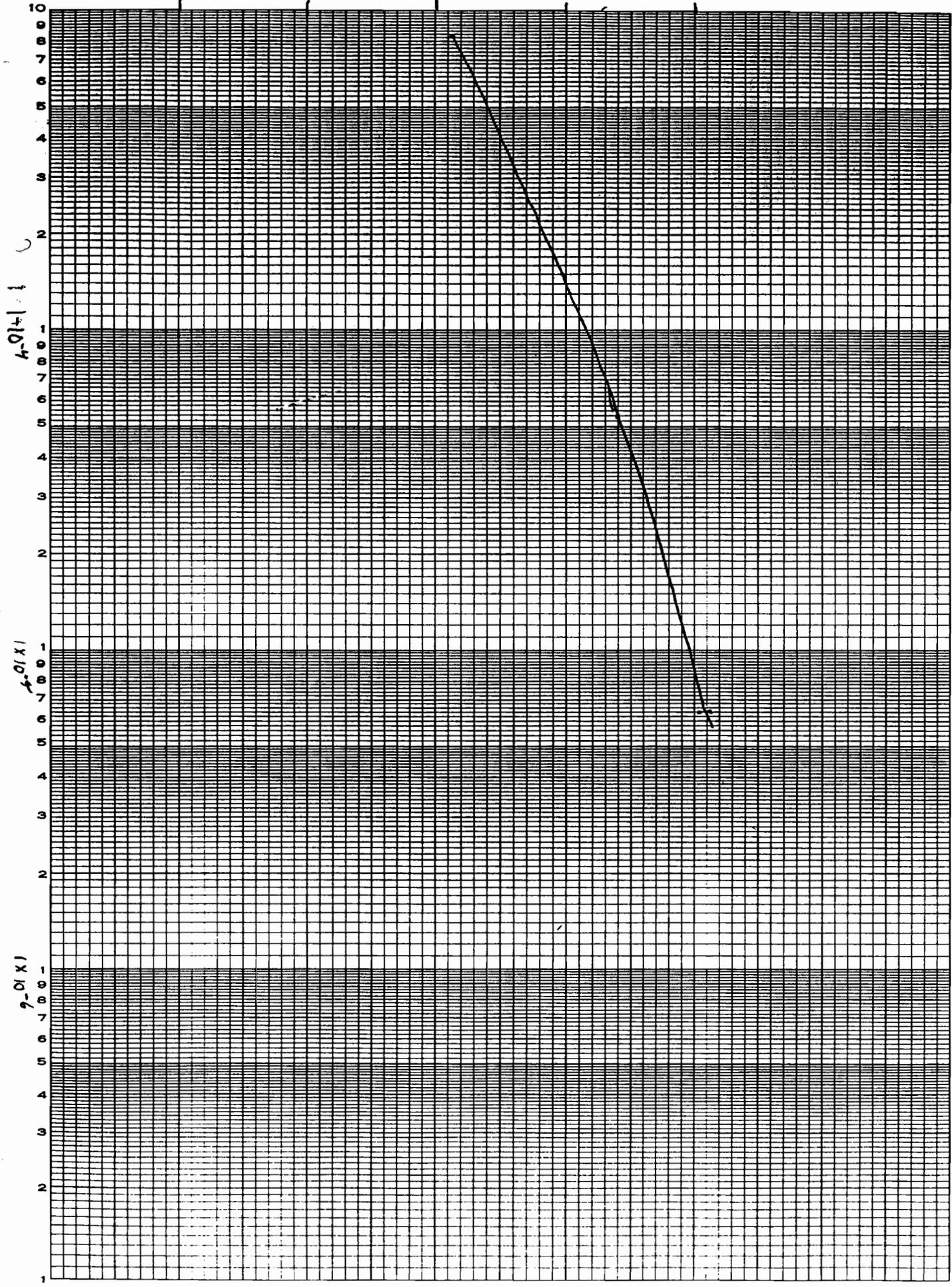
SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HAND 4. 3-VOLID WATER HEAD 3084.5
 FAORISE PERM 1.66E-04

VOID RATIO 0.4063615306 SATURATION, % 90.825102311 POROSITY 28.924851312 DRY DENSITY 1.3130290148

TECHNICIAN PIFFEN COMPUTED BY PIFFEN CHECKED BY

DIETZEN CORPORATION
MADE IN U.S.A.

NO. 340R-L410 DIETZEN GRAPH PAPER
SEMI-LOGARITHMIC
4 CYCLES X 10 DIVISIONS PER INCH



H-18
0.2

PERMEABILITY TEST DATA

PROJECT WINTYVILLE DRIVE DATE 12-11-97 BORE HOLE NO. A18 SAMPLE DEPTH 2'-3"

SPEC GRAVITY 2.7 PERM ORIFICE 3.34 DIAMETER 8.73 HEAD 3.06 STRINGSPIRE 0.731400 DIAMETER 0.420169

RUN NUMBER 1 DIST SAMPLE TOP OF ORIFICE 1.1 TIME, MIN 3.06 HEAD 1.0 CONSTANT 2. PULL WELL 3. PULL BENCH 3
2 1.1 3.75

MT OF WET SOIL + ORIFICE 234.42 MT OF ORIFICE 123.31 MT OF WET SOIL 111.11

TIME NUMBER 137.42 MT WET +TRAE 122.01 MT DRY +TRAE 15.41 MT WATER 27.79 MT OF TRAE 94.22 MT DRY SOIL 16.35 WATER CONTENT

RUN NUMBER	SAMPLE DEPTH	TEMP, DEGS C	TIME, SEC	QUANTITY FILM	PSI OR HS	PERM HT E	PERM HT 20C
1	6.04	24	188	10	42	1.09E-03	9.29E-04
2	24	24	225	10	HP	8.35E-04	7.55E-04

SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HAND 4. 3-YAUIDO WRITER HEAD 22 RAEBERG PERM 8.42E-04
3084.6

VOID RATIO 0.490888212 SPURBATION, % 89.362390649 POROSITY 32.506366252 DRY DENSITY 1.81093636272

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

PERMEABILITY TEST DATA

PROJECT WILLYVILLE DATE 12-11-97 BORE HOLE NO. H18 SAMPLE DEPTH 2'-3'

SPEC GRAVITY 2.7 PGM ORIFER 3.34 DIAPETER 8.73 STRIKES 0.731400 RECH 0.420168

RUN NUMBER 1 DIST 1.5 TIME, MIN 49.1667 HEAD 1.0 CONSTANT 2. FALL WELL 3. FALL BENCH 3
2 49.1667

WT OF WET SOIL + ORIFER 234.42 WT OF ORIFER 123.31 WT OF WET SOIL 111.11

TIME NUMBER H08 WT NET + TUBE 137.42 WT DRY + TUBE 122.01 WT WATER 15.41 WT OF TUBE 27.79 WT DRY SOIL 94.22 WATER CONTENT 16.36

RUN NUMBER	SAMPLE LENGTH	TEMP, DEG C	TIME, SEC	QUANTITY FLOW	PSI OR Hg	PGM HT E	RECH HT 20C
1	5.64	24	2360.002	10	42	5.94E-05	5.33E-05
2		24	2390.002	10	H*	5.94E-05	5.33E-05

SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HAND 4. 3-VOID WATER HEAD 3084.6

VOID RATIO 0.3821636132 SATURATION, % 112.60452725 POROSITY 28.16982383 DRY DENSITY 1.9394272157

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY _____

PERMEABILITY TEST DATA

PROJECT PAINTSVILLE DATE 12-11-97 BORE HOLE NO. R18 SAMPLE DEPTH 2'-3'

SPEC GRAVITY 2.7 PERM ORRBER DIRMETER 3.34 REER 8.73 STRONG PIPE DIRMETER 0.791400 REER 0.420168

RUN NUMBER 1 DIST 1.7 SAMPLE-TOP OF ORRBER 369.02 TIME, MIN 369.02 HEAD 1.0 CONSTANT 2. FALL WELL 3. FALL BENCH 3

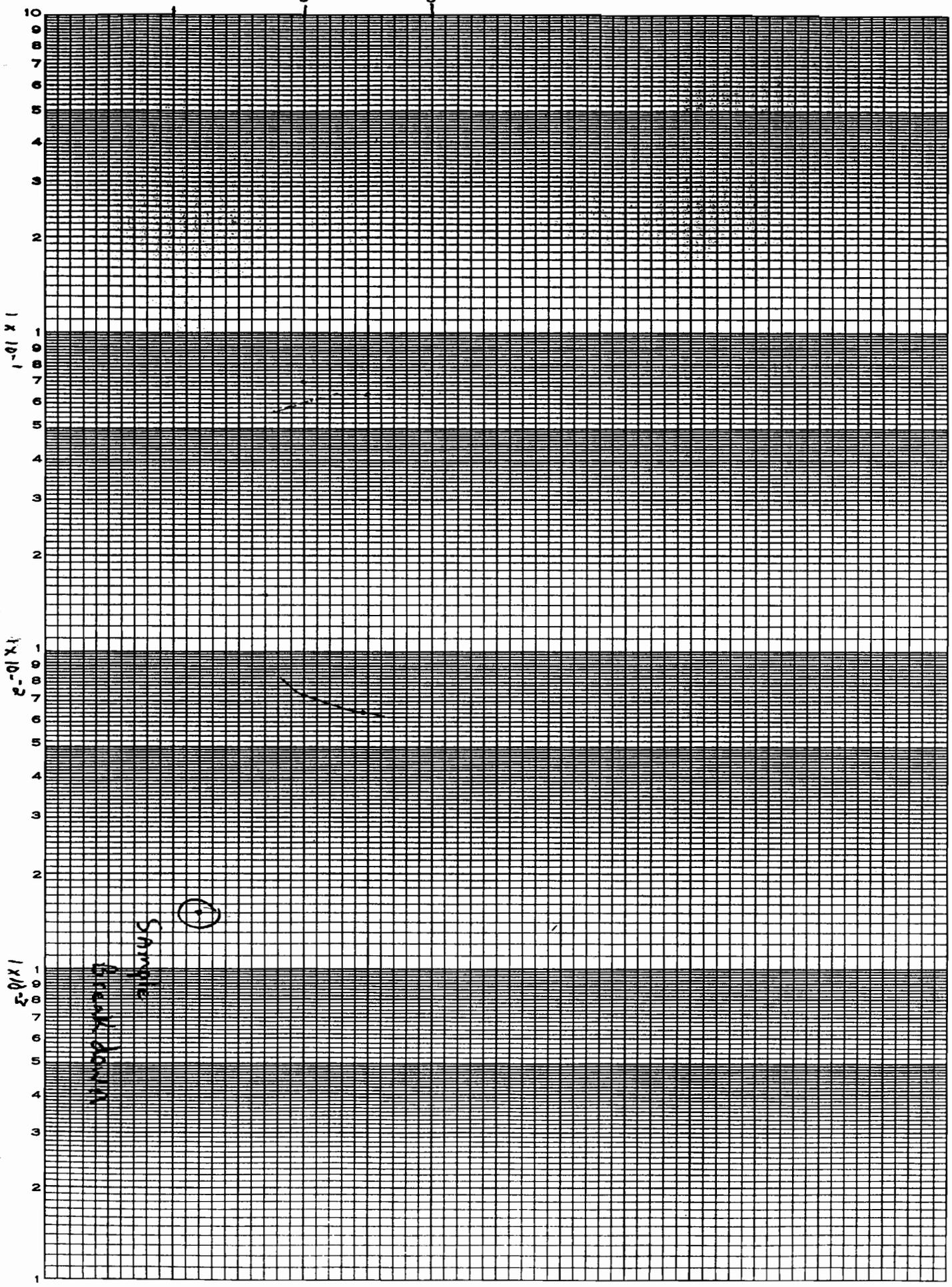
MT OF WET SOIL + ORRBER 234.42 MT OF ORRBER 123.31 MT OF WET SOIL 111.11

TRAE NUMBER H06 MT WET + TRAE 137.42 MT DRY + TRAE 122.01 MT WATER 15.41 MT OF TRAE 27.79 MT DRY SOIL 94.22 WATER CONTENT 16.36

RUN NUMBER	SAMPLE LENGTH	TRAP	DEB C	TIME, SEC	QUANTITY FLOW	PSI OR HS	PERM HT F	PERM HT 20C
1	5.44	24	24	21781.2	9.5	42	7.13E-06	6.45E-06
2		24	24	21781.2	9.5	HP	7.13E-06	6.45E-06
SAMPLE METHOD		4		1. IN SITU	2. DENSITY, COMP	3. DENSITY, HAND	4. 3-YAUID	WRITER HEAD
								3084.6

VOID RATIO 0.3427961091 SHRINKAGE, % 128.8212384 POROSITY 25.528630119 DRY DENSITY 2.0107296888

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY



11 - 1.9 1.1

PERMEABILITY TEST DATA

PROJECT PLATYVILLE DATE 12-8-97 BORE HOLE NO. H-14 SAMPLE DEPTH 6.4'-7.1'

SPEC GRAVITY 2.7 PERM ORIFER 3.34 DIRECTOR 8.73 STRIKEPIPE 0.731400 PERM ORIFER 0.420168

RUN NUMBER 1 DIST 0.7 TIME, MIN 0.4888 HEAD 1.0 DIRECTION 2. FULL INLET 3. FULL BENCH 3
2 0.45

WT OF WET SOIL + ORIFER 236.55 WT OF ORIFER 123.31 WT OF WET SOIL 113.24

SN 1 WT WET + TRAE 238.05 WT DRY + TRAE 223.38 WT WATER 14.73 WT OF TRAE 125.86 WT DRY SOIL 97.47 WATER DENSITY 15.11

RUN NUMBER 1 SAMPLE LENGTH 6.44 TEMP, DEG C 22 TIME, SEC 28.998 QUANTITY FLOW 10 PSI OR HB 42 PERM RATE 6.90E-03 PERM HT 20C 6.90E-03
2 22 27 10 HP 22 7.41E-03 7.04E-03
 SAMPLE METHOD 4 1. IN SITU 2. DENSITY, DWP 3. DENSITY, HMD 4. 3-VOID WATER HEAD 3084.6 HAERRE PERM 6.90E-03

VOID RATIO 0.5430703869 SATURATION, % 75.134421016 POROSITY 35.1941677409 DRY DENSITY 1.7497574801

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

PERMEABILITY TEST DATA

PROJECT PRITTYVILLE DATE 12-8-97 BORE HOLE NO. H-14 SAMPLE DEPTH 6.4'-7.1'

SPEC GRAVITY 2.7 PORE DENSITY 3.34 DIAPHRAGM HEB STRAP PIPE HEB DIAPHRAGM HEB
 DIAPHRAGM HEB DIAPHRAGM HEB DIAPHRAGM HEB

RUN NUMBER 1 DIST 0.4 SAMPLE-TOP OF DIAPHRAGM 0.2167 TIME, MIN 0.2167 HEAD 0.2167 STRAP PIPE HEB DIAPHRAGM HEB
2 0.4 0.2167 0.2167 0.2167 0.2167 STRAP PIPE HEB DIAPHRAGM HEB

WT OF WET SOIL + DIAPHRAGM 236.55 WT OF DIAPHRAGM 123.91 WT OF WET SOIL 113.24

SN 1 WT NET + TUBE 238.06 WT DRY + TUBE 229.59 WT WATER 14.73 WT OF TUBE 125.86 WT DRY SOIL 97.47 WATER CONTENT 15.11

RUN NUMBER 1 SAMPLE LENGTH 6.74 TEMP, DEG C 22 TIME, SEC 13.002 QUANTITY FLUID 10 PSI OR HG 42 PORE HT. E. 1.61E-02 PORE HT. D. 1.53E-02
2 6.74 22 13.002 10 42 1.61E-02 1.53E-02

SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HAND 4. 3-YAOLD WATER HEAD 22 PORE HT. E. 1.61E-02 PORE HT. D. 1.53E-02
3084.6

VOID RATIO 0.6149631747 SATURATION, % 66.3613204 POROSITY 38.073700012 DRY DENSITY 1.67187503937

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

PERMEABILITY TEST DATA

PROJECT HAITOVILLE DRIVE DATE 12-8-97 BORE HOLE NO. H-14 SAMPLE DEPTH 6.4'-7.1'

SPEED GRAVITY 2.7 PERM ORIFICE 3.34 DIAMETER 8.73 HEAD 0.731400 SYNOPSIS DIAMETER 0.420168 HEAD 0.420168

RUN NUMBER 1 DIST 0.5 SAMPLE-TOP OF ORIFICE 0.4667 TIME, MIN 0.4167 HEAD 1.0 CONSTANT 2.7 FALL W/L 3.7 HEAD 3

MT OF WET SOIL + ORIFICE 236.55 MT OF ORIFICE 123.31 MT OF WET SOIL 113.24

SN 1 WET +TRGE 238.06 WET ORIFICE 229.39 WET WATER 14.73 MT OF TRGE 125.95 MT OF WET SOIL 97.47 WATER CONTENT 15.11

RUN NUMBER	SAMPLE LENGTH	TEMP, DEG C	TIME, SEC	QUANTITY FLOW	PSI OR HS	PERM HT F	PERM HT 20C
1	6.64	22	28.002	10	42	7.37E-03	7.00E-03
2		22	25.002	10	42	8.28E-03	7.84E-03
					22		AVERAGE PERM
							7.42E-03

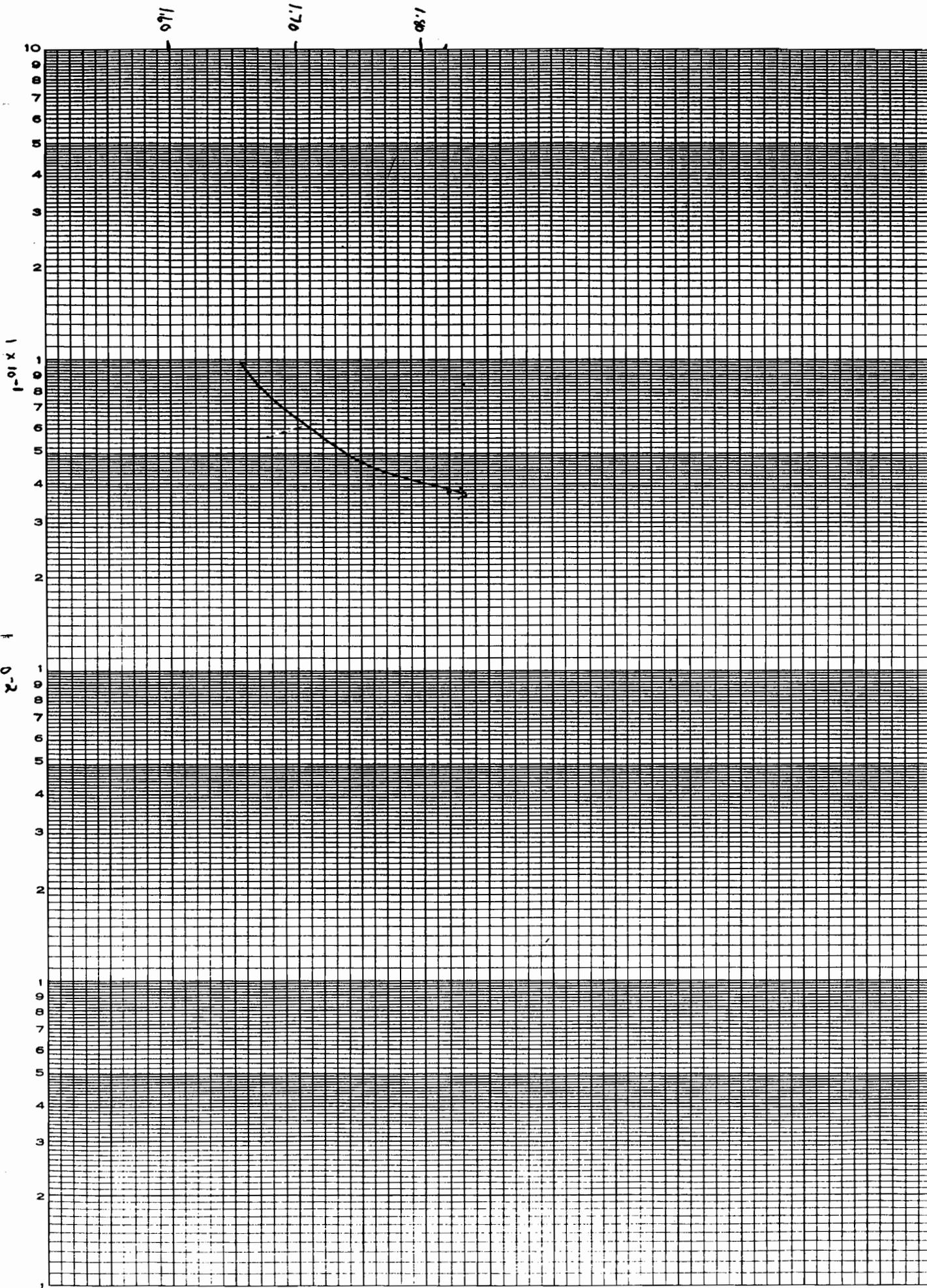
SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HND 4. 3-VOID WATER HEAD 3064.6

VOID RATIO 0.9303924451 SATURATION, % 69.042340106 POROSITY 37.146190913 DRY DENSITY 1.6970539416

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

A-9

1.5 - 0.5



DELTEN LUMPHURAIUM
MADE IN U.S.A.

NO. 340R-L410 DIETZEN GRAPH PAPER
SEMI-LOGARITHMIC
4 CYCLES X 10 DIVISIONS PER INCH

PERMEABILITY TEST DATA

PROJECT AMITYVILLE DATE 12-17-97 BORE HOLE NO. H-9 SAMPLE DEPTH 7.5'-8.5'

SPEC GRAVITY 2.7 PERM CHAMBER 3.34 DIAMETER 8.73 SAMPPIPE 0.731400 PERM 0.420169

RUN NUMBER 1 DIST 0.7 SAMPLE-TOP OF CHAMBER 0.05 TIME, MIN 0.05 HEAD 1.0 CONSTANT 2 FALL W/L 3 FALL BEG/EN 3

MT OF WET SOIL + CHAMBER 221.09 MT OF CHAMBER 113.19 MT OF WET SOIL 107.9

TRIE NUMBER E28 MT WET +TRIE 142.97 MT DRY +TRIE 129.32 MT WATER 13.65 MT OF TRIE 36.34 MT DRY SOIL 92.98 WATER CONTENT 14.69

RUN NUMBER	SAMPLE LENGTH	TEMP, DEGS C	TIME, SEC	QUANTITY FLOW	PSI OR HG	PERM HT F	PERM HT 300
1	6.44	24	3	10	39.5	9.01E-02	8.16E-02
2		24	3	10	HF	9.01E-02	8.16E-02

SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HRND 4. 3-VOID WATER HEAD 16.5 AVERAGE PERM 8.16E-02
 2908.85

VOID RATIO 0.6136637619 SATURATION, % 64.623244695 POROSITY 38.017837349 DRY DENSITY 1.6733221554

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

PERMEABILITY TEST DATA

PROJECT HATTYVILLE DATE 12-17-57 BORE HOLE NO. H-9 SAMPLE DEPTH 7.5'-8.5'

SPEC GRAVITY 2.7 PERM ORIFER 3.34 DIRMETER 8.73 STAINOPIPE 0.731400 PERM 0.420168

RUN NUMBER 1 DIST SAMPLE-TOP OF ORIFER 1 TIME, MIN 0.10633 HEAD 1.005191 2. FILL INCL 3. FILL BENCH

RUN NUMBER 2 DIST SAMPLE-TOP OF ORIFER 1 TIME, MIN 0.10833 HEAD 1.005191 2. FILL INCL 3. FILL BENCH

MT OF WET SOIL + ORIFER 221.09 MT OF ORIFER 113.19 MT OF WET SOIL 107.9

THRE NUMBER 623 MT WET +THRE 142.97 MT DRY +THRE 129.32 MT WATER 13.65 MT OF THRE 35.34 MT DRY SOIL 92.98 WATER CONTENT 14.68

RUN NUMBER 1 SAMPLE LENGTH 6.14 TEMP, DEG C 24 TIME, SEC 4.998 QUANTITY FLOW 10 PSI OR HG 39.5 PERM HT 1 5.16E-02 PERM HT 2 4.67E-02

RUN NUMBER 2 SAMPLE LENGTH 6.14 TEMP, DEG C 24 TIME, SEC 4.998 QUANTITY FLOW 10 PSI OR HG 39.5 PERM HT 1 5.16E-02 PERM HT 2 4.67E-02

SAMPLE METHOD 4 1. IN SITU 2. DENSITY, COMP 3. DENSITY, HAND 4. 3-UJIO 16.5 WATER HEAD 2908.85 PERM HT 1 5.16E-02 PERM HT 2 4.67E-02

VOID RATIO 0.588200648 SATURATION, % 73.647410183 POROSITY 34.983246709 DRY DENSITY 1.7552306689

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY _____

PERMEABILITY TEST DATA

PROJECT FRITTVILLE DRIVE DATE 12-17-97 BORE HOLE NO. R-9 SAMPLE DEPTH 7.5'-8.5'

SPEC GRAVITY 2.7 PGM ORNBER 3.34 DIRECTER RGS SYNOPSIS DIRTY DIRECTER 0.731400 RGS 0.420189

RUN NUMBER 1 DIST SAMPLE TOP OF ORNBER 1.2 TIME, MIN 0.1 HEAD 1.0 INCH 2. FALL WTL 3. FALL BENCH 3
2 0.1

MT OF WET SOIL + ORNBER 221.09 MT OF ORNBER 113.19 MT OF WET SOIL 107.9

THRE NUMBER B2 MT WET +THRE 142.97 MT DRY +THRE 129.32 MT WATER 13.65 MT OF THRE 36.34 MT DRY SOIL 92.98 WATER CONTENT 14.69

RUN NUMBER	SAMPLE LENGTH	TEMP, DEG C	TIME, SEC	QUANTITY FLOW	PSI OR HS	PGM HT E	PGM HT 2IC
1	5.94	24	6	10	39.5	4.15E-02	3.76E-02
2		24	6	10	HF	4.15E-02	3.76E-02
SAMPLE METHOD	1. IN SITU	2. DENSITY, COMP	3. DENSITY, HAND	4. 3-4010	16.5		
					2908.85		AVERAGE PGM
							3.76E-02

VOID RATIO 0.4681028001 SATURATION, % 81.207427588 POROSITY 32.800332458 DRY DENSITY 1.8143910287

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

PERMEABILITY TEST DATA

PROJECT WATTSVILLE DATE 12-17-97 BORE HOLE NO. R-3 SAMPLE DEPTH 7.5'-8.5'

SPEC GRAVITY 2.7 PGM ORIBBER 3.34 DIAMETER 8.73 STHROPIPE 0.731400 DIAMETER 0.420168 RGR 0.420168

RUN NUMBER 1 DIST 0.3 TIME, MIN 0.2 HEAD 1.0 CONSTANT 2.7 PULL WELL 3.7 BAND 3
2 0.3 0.2 1.0 2.7 3.7 3

WT OF WET SOIL + ORIBBER 236.93 WT OF ORIBBER 113.19 WT OF WET SOIL 123.8

TIME NUMBER X225 WT NET +TRIE 156.46 WT DRY +TRIE 143.33 WT WATER 13.13 WT OF TRIE 33.39 WT DRY SOIL 109.94 WATER CONTENT 11.94

ION NUMBER	SAMPLE LENGTH	TEMP, DEG C	TIME, SEC	QUANTITY FLUID	PSI OR HG	PERM RT E	PERM RT 20C
1	6.84	24	12	10	39.5	2.39E-02	2.17E-02
2		24	12	10	HP	2.39E-02	2.17E-02
SAMPLE METHOD		1. IN SITU	2. DENSITY, COMP	3. DENSITY, HAND	4. 3-4010	WRITER METHOD	RAVERAGE PERM
						2908.85	2.17E-02

VOID RATIO 0.4578402373 SATURATION, % 70.430180204 POROSITY 31.406373011 DRY DENSITY 1.8620547367

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

PERMEABILITY TEST FORM

PROJECT FRITVILLE DATE 12-17-97 BORE HOLE NO. H-9 SAMPLE DEPTH 7.5'-8.5'

SPEC GRAVITY 2.7 PERM ORIFER DIRFETER DIAPETER 3.34 REEL 8.73 STANDPIPE DIRFETER DIAPETER 0.731400 REEL 0.420168

RUN NUMBER 1 DIST SRPBLE-TOP OF ORIFER TIME, MIN 0.5 HEAD 1.0 INSTANT 2. FILL WELL 3. FILL BENCH
2 0.2167 3

WT OF NET SOIL + ORIFER 238.39 WT OF ORIFER 113.19 WT OF NET SOIL 125.8

THREE NUMBER X226 WT NET +TRGE 156.46 WT DRY +TRGE 143.38 WT WATER 13.18 WT OF TRGE 38.39 WT DRY SOIL 109.94 WATER CONTENT 11.94

RUN NUMBER	SAMPLE LENGTH	TRCP	DEG C	TIME, SEC	QUANTITY FLOW	PSI OR HG	PERM RT F	PERM RT 200
1	6.64		24	16.938	10	39.5	1.64E-02	1.48E-02
2			24	19.002	10	HF	2.14E-02	1.94E-02
SAMPLE METHOD <u>4</u> <u>1. IN SITU</u> <u>2. DENSITY, COMP</u> <u>3. DENSITY, HEND</u> <u>4. 3-VOLID</u> <u>WATER HEAD</u>							16.5	
							2908.85	1.71E-02

VOID RATIO 0.4152138238 SATURATION, % 77.850710232 POROSITY 29.389274939 DRY DENSITY 1.9078365766

TECHNICIAN PIPPEN COMPUTED BY PIPPEN CHECKED BY

Geohydrologic Study No. 38-EH-6746-97, 16-22 July 1997

APPENDIX I
GRAIN SIZE

SOILS ANALYSIS

PROJECT NO.	Amityville			
LOCATION	Amityville	Amityville	Amityville	Amityville
BORE HOLE NO.	A14	A14	A14	A14
DEPTH OF SAMPLE (FT)	0-1.4	1.4-2.6	5.6-6.4	6.4-7.1
SAMPLE TYPE	Tube	Tube	Tube	Tube

GRAIN SIZE ANALYSIS

% PASSING 1.5"	100.0%	100.0%	100.0%	100.0%
% PASSING 1.0"	100.0%	100.0%	100.0%	100.0%
% PASSING 0.5"	100.0%	100.0%	100.0%	100.0%
% PASSING NO. 4	93.5%	92.5%	86.9%	88.5%
% PASSING NO. 10	87.6%	82.8%	71.0%	72.6%
% PASSING NO. 20	79.4%	75.4%	52.9%	55.5%
% PASSING NO. 40	66.0%	61.7%	31.5%	28.4%
% PASSING NO. 100	50.5%	43.9%	8.0%	2.2%
% PASSING NO. 200	47.8%	42.6%	5.3%	0.9%

ATTERBERG LIMITS

LIQUID LIMIT W_L
 PLASTIC LIMIT W_p
 L ITC INDEX I_p
 UNIFIED SOIL CLASS.

STD PROCTOR DENSITY

g_m/cm³
 lb/ft³
 OPTIMUM MOISTURE CONTENT
 NATURAL MOISTURE CONTENT

PERMEABILITY cm/sec

IN SITU
 PD-COMPACTION MOLD
 PD-HAND REMOLDED
 3-VOID
 VOID RATIO (K)
 % SATURATION (K)
 % POROSITY (K)
 DRY DENSITY (K)
 % MOISTURE CONTENT (K)
 SPECIFIC GRAVITY

HYDROMETER

0.02
 0.002
 0.001

GRAIN SIZE ANALYSIS

PROJECT Amityville PROJ. NO. BORE HOLE # A14 DEPTH(FT) 0-1.4 DATE 12-3-97

Wt SAMPLE PLUS TARE 320.08 Wt SAMPLE MINUS TARE 197.93 Wt AFTER PRE WASH+TARE 227.58 Wt AFTER PRE WASH-TARE 105.43 WASHING LOSS 92.50

TARE NUMBER H-22 H-22 H-22 TARE WEIGHT 122.15 122.15 122.14 PREWASHED? Y/N Y WEIGHT ERROR 0.09 PERCENT ERROR 0.05% SAMPLE TYPE: Tube

SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
Gravel 1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
Coarse Sand 4	134.93	12.79	6.5%	93.5%
10	146.68	24.54	12.4%	87.6%
Medium Sand 20	162.80	40.66	20.6%	79.4%
40	189.32	67.18	34.0%	66.0%
Fine Sand 100	220.00	97.86	49.5%	50.5%
200	225.37	103.23	52.2%	47.8%
slty THRU 200	227.48	105.34		
WASH LOSS		92.50		
TOTAL Wt. OF SIEVED SAMPLE		197.84	100.0%	0.0%

TECHNICIAN Hoover CALCULATED BY Hoover APPROVED BY

GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 Amityville A14 1.4-2.6 12-11-97

Wt SAMPLE Wt SAMPLE Wt AFTER PRE Wt AFTER PRE WASHING
 PLUS TARE MINUS TARE WASH+TARE WASH-TARE LOSS
 309.18 195.82 226.24 112.88 82.94

TARE TARE PREWASHED? WEIGHT PERCENT
 NUMBER WEIGHT Y/N ERROR ERROR
 1a 113.36 Y 0.10 0.05%
 1a 113.36
 1a 113.37 SAMPLE TYPE: Tube

CUMULATIVE CUMULATIVE CUMULATIVE
 Wt RETAINED Wt RETAINED PERCENT
 PLUS TARE MINUS TARE RETAINED PASSING
 SIEVE
 1.5" 0.00 0.00 0.0% 100.0%
 1" 0.00 0.00 0.0% 100.0%
 0.5" 0.00 0.00 0.0% 100.0%
 4 128.02 14.65 7.5% 92.5%
 10 146.97 33.60 17.2% 82.8%
 20 161.42 48.05 24.6% 75.4%
 40 188.36 74.99 38.3% 61.7%
 100 223.18 109.81 56.1% 43.9%
 200 225.65 112.28 57.4% 42.6%
 THRU 200 226.15 112.78
 WASH LOSS 82.94
 TOTAL Wt. OF SIEVED SAMPLE 195.72 100.0% 0.0%

TECHNICIAN CALCULATED BY APPROVED BY
 Hoover Hoover

^GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 Amityville A14 5.6-6.4 12-15-97

Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
359.62	223.14	348.35	211.87	11.27

TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
1234	136.48	Y	0.12	0.05%
1234	136.48			
1234	136.51			

SAMPLE TYPE: Tube

SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	165.71	29.20	13.1%	86.9%
10	201.17	64.66	29.0%	71.0%
20	241.51	105.00	47.1%	52.9%
40	289.33	152.82	68.5%	31.5%
100	341.73	205.22	92.0%	8.0%
200	347.61	211.10	94.7%	5.3%
THRU 200	348.26	211.75		
WASH LOSS		11.27		
TOTAL Wt. OF SIEVED SAMPLE		223.02	100.0%	0.0%

TECHNICIAN	CALCULATED BY	APPROVED BY
Hoover	Hoover	

GRAIN SIZE ANALYSIS

PROJECT Amityville PROJ. NO. BORE HOLE # A14 DEPTH(FT) 6.4-7.1 DATE 12-11-97

Wt SAMPLE PLUS TARE 316.97 Wt SAMPLE MINUS TARE 171.95 Wt AFTER PRE WASH+TARE 315.41 Wt AFTER PRE WASH-TARE 170.39 WASHING LOSS 1.56

TARE NUMBER 32 TARE WEIGHT 145.02 PREWASHED? Y/N Y WEIGHT ERROR 0.06 PERCENT ERROR 0.03%
 32 145.02
 32 145.02
 SAMPLE TYPE: Tube

SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	164.74	19.72	11.5%	88.5%
10	192.08	47.06	27.4%	72.6%
20	221.53	76.51	44.5%	55.5%
40	268.13	123.11	71.6%	28.4%
100	313.16	168.14	97.8%	2.2%
200	315.28	170.26	99.1%	0.9%
THRU 200	315.35	170.33		
WASH LOSS		1.56		
TOTAL Wt. OF SIEVED SAMPLE		171.89	100.0%	0.0%

TECHNICIAN Hoover CALCULATED BY Hoover APPROVED BY

SOILS ANALYSIS

PROJECT NO.	Amityville			
LOCATION	Amityville	Amityville	AMITYVILLE	AMITYVILLE
BORE HOLE NO.	a18	A-18	A-18	A-18
DEPTH OF SAMPLE (FT)	3-3.7	4-6.8	6.8-8.0	8.5-9.8
SAMPLE TYPE	Tube	Tube	BAG	BAG

GRAIN SIZE ANALYSIS

% PASSING 1.5"	100.0%	100.0%	100.0%	100.0%
% PASSING 1.0"	100.0%	100.0%	100.0%	100.0%
% PASSING 0.5"	100.0%	100.0%	100.0%	100.0%
% PASSING NO. 4	93.2%	85.7%	91.0%	92.1%
% PASSING NO. 10	83.7%	69.2%	77.7%	74.8%
% PASSING NO. 20	71.5%	44.2%	61.0%	55.9%
% PASSING NO. 40	49.0%	15.9%	37.6%	28.3%
% PASSING NO. 100	27.2%	1.1%	16.2%	1.7%
% PASSING NO. 200	25.0%	0.6%	13.1%	0.9%

ATTERBERG LIMITS

LIQUID LIMIT W_L
 PLASTIC LIMIT W_p
 LIQUIDITY INDEX I_p
 UNIFIED SOIL CLASS.

STD PROCTOR DENSITY

g/cc
 lb/ft³
 OPTIMUM MOISTURE CONTENT
 NATURAL MOISTURE CONTENT

PERMEABILITY cm/sec

IN SITU
 PD-COMPACTION MOLD
 PD-HAND ROLLED
 3-VOID
 VOID RATIO (K)
 % SATURATION (K)
 % POROSITY (K)
 DRY DENSITY (K)
 % MOISTURE CONTENT (K)
 SPECIFIC GRAVITY

HYDROMETER

0.02
 0.002
 0.001

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		a18	3-3.7	12-15-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
296.69	171.06	254.75	129.12	41.94
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
89	125.63	Y	0.12	0.07%
89	125.63			
89	125.66		SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	137.36	11.70	6.8%	93.2%
10	153.58	27.92	16.3%	83.7%
20	174.31	48.65	28.5%	71.5%
40	212.88	87.22	51.0%	49.0%
100	250.18	124.52	72.8%	27.2%
200	253.92	128.26	75.0%	25.0%
THRU 200	254.66	129.00		
WASH LOSS		41.94		
TOTAL Wt. OF SIEVED SAMPLE		170.94	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
Hoover	Hoover			

GRAIN SIZE ANALYSIS

PROJECT Amityville PROJ. NO. BORE HOLE # A-18 DEPTH(FT) 4-6.8 DATE 12-15-97

Wt SAMPLE PLUS TARE 379.89 Wt SAMPLE MINUS TARE 257.36 Wt AFTER PRE WASH+TARE 378.30 Wt AFTER PRE WASH-TARE 255.77 WASHING LOSS 1.59

TARE NUMBER 66 TARE WEIGHT 122.53 PREWASHED? Y/N Y WEIGHT ERROR 0.09 PERCENT ERROR 0.03%
 66 122.53
 66 122.54 SAMPLE TYPE: Tube

SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	159.36	36.82	14.3%	85.7%
10	201.85	79.31	30.8%	69.2%
20	266.06	143.52	55.8%	44.2%
40	338.84	216.30	84.1%	15.9%
100	377.05	254.51	98.9%	1.1%
200	378.17	255.63	99.4%	0.6%
THRU 200	378.22	255.68		
WASH LOSS		1.59		
TOTAL Wt. OF SIEVED SAMPLE		257.27	100.0%	0.0%

TECHNICIAN Hoover CALCULATED BY Hoover APPROVED BY

^GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
AMITYVILLE		A-18	6.8-8.0	12-16-97

Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
353.44	238.49	323.20	208.25	30.24

TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
50	114.95	Y	0.17	0.07%
50	114.95			
50	114.95			

SAMPLE TYPE: BAG

SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	136.42	21.47	9.0%	91.0%
10	168.15	53.20	22.3%	77.7%
20	207.94	92.99	39.0%	61.0%
40	263.64	148.69	62.4%	37.6%
100	314.57	199.62	83.8%	16.2%
200	322.12	207.17	86.9%	13.1%
THRU 200	323.03	208.08		
WASH LOSS		30.24		
TOTAL Wt. OF SIEVED SAMPLE		238.32	100.0%	0.0%

TECHNICIAN	CALCULATED BY	APPROVED BY
HOOVER	PIPPEN	

GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 AMITYVILLE A-18 8.5-9.8 12-16-97

Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
335.83	212.07	334.13	210.37	1.70

TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
115	123.76	Y	0.08	0.04%
115	123.76			
115	123.75			

SAMPLE TYPE: BAG

SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	140.52	16.77	7.9%	92.1%
10	177.26	53.51	25.2%	74.8%
20	217.30	93.55	44.1%	55.9%
40	275.73	151.98	71.7%	28.3%
100	332.15	208.40	98.3%	1.7%
200	333.87	210.12	99.1%	0.9%
THRU 200	334.04	210.29		
WASH LOSS		1.70		
TOTAL Wt. OF SIEVED SAMPLE		211.99	100.0%	0.0%

TECHNICIAN	CALCULATED BY	APPROVED BY
HOOVER	PIPPEN	

SOILS ANALYSIS

PROJECT NO. LOCATION	AMITYVILLE	AMITYVILLE	AMITYVILLE NY	Amityville
BORE HOLE NO.	A-9	A-9	A-9	A9
DEPTH OF SAMPLE (FT)	,0.5-3.2	3.2-4.5	8.5-9.3	9.4-10.1
SAMPLE TYPE	BAG	BAG	BAG	Tube

GRAIN SIZE ANALYSIS

% PASSING 1.5"	100.0%	100.0%	100.0%	100.0%
% PASSING 1.0"	100.0%	100.0%	100.0%	100.0%
% PASSING 0.5"	100.0%	100.0%	100.0%	100.0%
% PASSING NO. 4	89.8%	78.3%	88.4%	84.1%
% PASSING NO. 10	78.6%	58.4%	70.0%	63.8%
% PASSING NO. 20	64.0%	41.0%	52.2%	41.9%
% PASSING NO. 40	46.0%	20.0%	33.1%	18.9%
% PASSING NO. 100	28.4%	4.0%	14.9%	2.7%
% PASSING NO. 200	27.0%	2.8%	11.0%	1.6%

ATTEBBERG LIMITS

LIQUID LIMIT W_L
 PLASTIC LIMIT W_p
 PLASTIC INDEX I_p
 UNIFIED SOIL CLASS.

STD PROCTOR DENSITY

g/cm³
 lb/ft³
 OPTIMUM MOISTURE CONTENT
 NATURAL MOISTURE CONTENT

PERMEABILITY cm/sc

IN SITU
 PD-COMPACTION MOLD
 PD-HAND REMOLDED
 3-VOID
 VOID RATIO (K)
 % SATURATION (K)
 % POROSITY (K)
 DRY DENSITY (K)
 % MOISTURE CONTENT (K)
 SPECIFIC GRAVITY

HYDROMETER

0.02
 0.002
 0.001

SOILS ANALYSIS

PROJECT NO.	AMITYVILLE			
LOCATION	AMITYVILLE	AMITYVILLE	AMITYVILLE	AMITYVILLE
BORE HOLE NO.	A-9	A-9	A-9	A-9
DEPTH OF SAMPLE (FT)	10-10.7	10.8-11.5	11.5-12.8	12.8-14.6
SAMPLE TYPE	BAG	BAG	TUBE	TUBE

GRAIN SIZE ANALYSIS

% PASSING 1.5"	100.0%	100.0%	100.0%	100.0%
% PASSING 1.0"	100.0%	100.0%	100.0%	100.0%
% PASSING 0.5"	100.0%	100.0%	100.0%	100.0%
% PASSING NO. 4	78.2%	86.5%	88.0%	84.4%
% PASSING NO. 10	59.4%	66.3%	72.7%	69.3%
% PASSING NO. 20	43.8%	42.4%	54.2%	50.5%
% PASSING NO. 40	27.2%	16.2%	35.4%	24.2%
% PASSING NO. 100	11.7%	1.3%	17.6%	2.2%
% PASSING NO. 200	9.0%	0.8%	12.8%	1.2%

ATTERBERG LIMITS
 LIQUID LIMIT W_L
 PLASTIC LIMIT W_p
 PLASTIC INDEX I_p
 UNIFIED SOIL CLASS.

STD PROCTOR DENSITY
 gm/cm³
 lb/ft³
 OPTIMUM MOISTURE CONTENT
 NATURAL MOISTURE CONTENT

PERMEABILITY cm/sc
 IN SITU
 PD-COMPACTION MOLD
 PD-HAND REMOLDED
 3-VOID
 VOID RATIO (K)
 % SATURATION (K)
 % POROSITY (K)
 DRY DENSITY (K)
 % MOISTURE CONTENT (K)
 SPECIFIC GRAVITY

HYDROMETER
 0.02
 0.002
 0.001

{BDIO}A100*/FCCE(?)
 /A 3.6103*b2*

^GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 AMITYVILLE A-9 ,0.5-3.2 12-17-97

Wt SAMPLE Wt SAMPLE Wt AFTER PRE Wt AFTER PRE WASHING
 PLUS TARE MINUS TARE WASH+TARE WASH-TARE LOSS
 334.39 204.65 279.69 149.95 54.70

TARE TARE PREWASHED? WEIGHT PERCENT
 NUMBER WEIGHT Y/N ERROR ERROR
 21 129.74 Y 0.08 0.04%
 21 129.74
 21 129.74 SAMPLE TYPE: BAG

CUMULATIVE CUMULATIVE CUMULATIVE
 Wt RETAINED Wt RETAINED PERCENT
 SIEVE PLUS TARE MINUS TARE RETAINED PASSING
 1.5" 0.00 0.00 0.0% 100.0%
 1" 0.00 0.00 0.0% 100.0%
 0.5" 0.00 0.00 0.0% 100.0%
 4 150.69 20.95 10.2% 89.8%
 10 173.48 43.74 21.4% 78.6%
 20 203.42 73.68 36.0% 64.0%
 40 240.14 110.40 54.0% 46.0%
 100 276.23 146.49 71.6% 28.4%
 200 279.14 149.40 73.0% 27.0%
 THRU 200 279.61 149.87
 WASH LOSS 54.70
 TOTAL Wt. OF SIEVED SAMPLE 204.57 100.0% 0.0%

TECHNICIAN CALCULATED BY APPROVED BY
 HOOVER PIPPEN

GRAIN SIZE ANALYSIS

PROJECT AMITYVILLE PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 A-9 3.2-4.5 12-17-97

 Wt SAMPLE PLUS TARE Wt SAMPLE MINUS TARE Wt AFTER PRE WASH+TARE Wt AFTER PRE WASH-TARE WASHING LOSS
 347.90 198.20 342.57 192.87 5.33

 TARE NUMBER TARE WEIGHT PREWASHED? Y/N WEIGHT ERROR PERCENT ERROR
 120 149.70 Y 0.08 0.04%
 120 149.70
 120 149.69 SAMPLE TYPE: BAG

 SIEVE CUMULATIVE Wt RETAINED PLUS TARE CUMULATIVE Wt RETAINED MINUS TARE CUMULATIVE PERCENT RETAINED CUMULATIVE PERCENT PASSING
 1.5" 0.00 0.00 0.0% 100.0%
 1" 0.00 0.00 0.0% 100.0%
 0.5" 0.00 0.00 0.0% 100.0%
 4 192.77 43.08 21.7% 78.3%
 10 232.18 82.49 41.6% 58.4%
 20 266.63 116.94 59.0% 41.0%
 40 308.09 158.40 80.0% 20.0%
 100 339.86 190.17 96.0% 4.0%
 200 342.18 192.49 97.2% 2.8%
 THRU 200 342.48 192.79
 WASH LOSS 5.33
 TOTAL Wt. OF SIEVED SAMPLE 198.12 100.0% 0.0%

 TECHNICIAN CALCULATED BY APPROVED BY
 HOOVER PIPPEN

GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 AMITYVILLE N A-9 8.5-9.3 12-15-97

Wt SAMPLE Wt SAMPLE Wt AFTER PRE Wt AFTER PRE WASHING
 PLUS TARE MINUS TARE WASH+TARE WASH-TARE LOSS
 319.05 193.85 298.33 173.13 20.72

TARE TARE PREWASHED? WEIGHT PERCENT
 NUMBER WEIGHT Y/N ERROR ERROR
 74 125.20 Y 0.05 0.03%
 74 125.20
 74 125.20 SAMPLE TYPE: BAG

CUMULATIVE CUMULATIVE CUMULATIVE
 Wt RETAINED Wt RETAINED PERCENT
 SIEVE PLUS TARE MINUS TARE RETAINED PASSING
 1.5" 0.00 0.00 0.0% 100.0%
 1" 0.00 0.00 0.0% 100.0%
 0.5" 0.00 0.00 0.0% 100.0%
 4 147.66 22.46 11.6% 88.4%
 10 183.31 58.11 30.0% 70.0%
 20 217.81 92.61 47.8% 52.2%
 40 254.85 129.65 66.9% 33.1%
 100 290.15 164.95 85.1% 14.9%
 200 297.62 172.42 89.0% 11.0%
 THRU 200 298.28 173.08
 WASH LOSS 20.72
 TOTAL Wt. OF SIEVED SAMPLE 193.80 100.0% 0.0%

TECHNICIAN CALCULATED BY APPROVED BY
 HOOVER PIPPEN

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A9	9.4-10.1	12-16-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
333.38	197.94	330.38	194.94	3.00
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
2	135.44	Y	0.06	0.03%
2	135.44			
2	135.41		SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	166.92	31.51	15.9%	84.1%
10	207.08	71.67	36.2%	63.8%
20	250.44	115.03	58.1%	41.9%
40	295.85	160.44	81.1%	18.9%
100	327.97	192.56	97.3%	2.7%
200	330.07	194.66	98.4%	1.6%
THRU 200	330.29	194.88		
WASH LOSS		3.00		
TOTAL Wt. OF SIEVED SAMPLE		197.88	100.0%	0.0%
TECHNICIAN		CALCULATED BY		APPROVED BY
Hoover		Hoover		

GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 AMITYVILLE A-9 10-10.7 12-17-97

WT SAMPLE PLUS TARE 317.98
 WT SAMPLE MINUS TARE 203.45
 WT AFTER PRE WASH+TARE 300.07
 WT AFTER PRE WASH-TARE 185.54
 WASHING LOSS 17.91

TARE NUMBER TARE WEIGHT PREWASHED? Y/N WEIGHT ERROR PERCENT ERROR
 TP2 114.53 Y 0.08 0.04%
 TP2 114.53
 TP2 114.53 SAMPLE TYPE: BAG

SIEVE	CUMULATIVE WT RETAINED PLUS TARE	CUMULATIVE WT RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	158.80	44.27	21.8%	78.2%
10	197.05	82.52	40.6%	59.4%
20	228.87	114.34	56.2%	43.8%
40	262.60	148.07	72.8%	27.2%
100	294.14	179.61	88.3%	11.7%
200	299.57	185.04	91.0%	9.0%
THRU 200	299.99	185.46		
WASH LOSS		17.91		
TOTAL WT. OF SIEVED SAMPLE		203.37	100.0%	0.0%

TECHNICIAN CALCULATED BY APPROVED BY
 HOOVER PIPPEN

GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 AMITYVILLE A-9 10.8-11.5 12-17-97

Wt SAMPLE Wt SAMPLE Wt AFTER PRE Wt AFTER PRE WASHING
 PLUS TARE MINUS TARE WASH+TARE WASH-TARE LOSS
 341.60 202.21 340.08 200.69 1.52

TARE TARE PREWASHED? WEIGHT PERCENT
 NUMBER WEIGHT Y/N ERROR ERROR
 46 139.39 Y 0.06 0.03%
 46 139.39
 46 139.39 SAMPLE TYPE: BAG

CUMULATIVE CUMULATIVE CUMULATIVE
 Wt RETAINED Wt RETAINED PERCENT
 SIEVE PLUS TARE MINUS TARE RETAINED PASSING
 1.5" 0.00 0.00 0.0% 100.0%
 1" 0.00 0.00 0.0% 100.0%
 0.5" 0.00 0.00 0.0% 100.0%
 4 166.77 27.38 13.5% 86.5%
 10 207.46 68.07 33.7% 66.3%
 20 255.87 116.48 57.6% 42.4%
 40 308.89 169.50 83.8% 16.2%
 100 338.92 199.53 98.7% 1.3%
 200 339.94 200.55 99.2% 0.8%
 THRU 200 340.02 200.63
 WASH LOSS 1.52
 TOTAL Wt. OF SIEVED SAMPLE 202.15 100.0% 0.0%

TECHNICIAN CALCULATED BY APPROVED BY
 HOOVER PIPPEN

^GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 AMITYVILLE A-9 11.5-12.8 12-11-97

Wt SAMPLE Wt SAMPLE Wt AFTER PRE Wt AFTER PRE WASHING
 PLUS TARE MINUS TARE WASH+TARE WASH-TARE LOSS
 293.17 158.97 274.30 140.09 18.88

TARE TARE PREWASHED? WEIGHT PERCENT
 NUMBER WEIGHT Y/N ERROR ERROR
 110 134.20 Y 0.08 0.05%
 110 134.21
 110 134.20 SAMPLE TYPE:TUBE

CUMULATIVE CUMULATIVE CUMULATIVE
 Wt RETAINED Wt RETAINED PERCENT
 SIEVE PLUS TARE MINUS TARE RETAINED PASSING
 1.5" 0.00 0.00 0.0% 100.0%
 1" 0.00 0.00 0.0% 100.0%
 0.5" 0.00 0.00 0.0% 100.0%
 4 153.24 19.04 12.0% 88.0%
 10 177.50 43.30 27.3% 72.7%
 20 206.96 72.76 45.8% 54.2%
 40 236.80 102.60 64.6% 35.4%
 100 265.20 131.00 82.4% 17.6%
 200 272.71 138.51 87.2% 12.8%
 THRU 200 274.21 140.01
 WASH LOSS 18.88
 TOTAL Wt. OF SIEVED SAMPLE 158.89 100.0% 0.0%

TECHNICIAN CALCULATED BY APPROVED BY
 HOOVER PIPPEN

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
AMITYVILLE		A-9	12.8-14.6	12-11-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
303.31	169.96	301.41	168.06	1.90
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
F01	133.35	Y	-0.04	-0.02%
F01	133.35			
F01	133.35		SAMPLE TYPE:TUBE	
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	159.67	26.52	15.6%	84.4%
10	185.46	52.11	30.7%	69.3%
20	217.52	84.17	49.5%	50.5%
40	262.16	128.81	75.8%	24.2%
100	299.57	166.22	97.8%	2.2%
200	301.38	168.03	98.8%	1.2%
THRU 200	301.45	168.10		
WASH LOSS		1.90		
TOTAL Wt. OF SIEVED SAMPLE		170.00	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
HOOVER	PIPPEN			

SOILS ANALYSIS

PROJECT NO.	Amityville		
LOCATION	Amityville	Amityville	Amityville
BORE HOLE NO.	A_#	A3	A3
DEPTH OF SAMPLE (FT)	0 -1"	1.9'-2.9'	3.7-5.7'
SAMPLE TYPE	Tube	Tube	Tube

GRAIN SIZE ANALYSIS			
% PASSING 1.5"	100.0%	100.0%	100.0%
% PASSING 1.0"	100.0%	100.0%	100.0%
% PASSING 0.5"	100.0%	100.0%	100.0%
% PASSING NO. 4	91.8%	83.9%	93.9%
% PASSING NO. 10	75.0%	70.4%	76.7%
% PASSING NO. 20	60.4%	58.6%	53.1%
% PASSING NO. 40	42.6%	43.9%	25.8%
% PASSING NO. 100	25.8%	29.7%	7.7%
% PASSING NO. 200	24.3%	29.8%	6.7%

ATTERBERG LIMITS

LIQUID LIMIT W_L
 PLASTIC LIMIT W_p
 PLASTIC INDEX I_p
 UNCLASSIFIED SOIL CLASS.

STD PROCTOR DENSITY

g_m/cm³
 lb/ft³
 OPTIMUM MOISTURE CONTENT
 NATURAL MOISTURE CONTENT

PERMEABILITY cm/sec

IN SITU
 PD-COMPACTION MOLD
 PD-HAND REMOLDED
 3-VOID
 VOID RATIO (K)
 % SATURATION (K)
 % POROSITY (K)
 DRY DENSITY (K)
 % MOISTURE CONTENT (K)
 SPECIFIC GRAVITY

HYDROMETER

0.02
 0.002
 0.001

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A3	0 -1"	12-12-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
275.74	152.16	239.04	115.46	36.70
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
BB	123.58	Y	0.04	0.03%
BB	123.58			
BB	123.58			
			SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	136.10	12.52	8.2%	91.8%
10	161.58	38.00	25.0%	75.0%
20	183.86	60.28	39.6%	60.4%
40	210.97	87.39	57.4%	42.6%
100	236.49	112.91	74.2%	25.8%
200	238.76	115.18	75.7%	24.3%
THRU 200	239.00	115.42		
WASH LOSS		36.70		
TOTAL Wt. OF SIEVED SAMPLE		152.12	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
Hoover	Hoover			

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A3	1.9'-2.9'	12-2-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
318.00	185.26	266.32	133.57	51.69
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
RC12	132.74	Y	0.03	0.02%
RC12	132.75			
RC12	132.75		SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt. RETAINED PLUS TARE	CUMULATIVE Wt. RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	162.62	29.87	16.1%	83.9%
10	187.57	54.82	29.6%	70.4%
20	209.46	76.71	41.4%	58.6%
40	236.61	103.86	56.1%	43.9%
100	262.95	130.20	70.3%	29.7%
200	262.85	130.10	70.2%	29.8%
THRU 200	266.29	133.54		
WASH LOSS		51.69		
TOTAL Wt. OF SIEVED SAMPLE		185.23	100.0%	0.0%
TECHNICIAN		CALCULATED BY		APPROVED BY
Hoover		Hoover		

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A3	3.7-5.7'	12-2-97
WT SAMPLE PLUS TARE	WT SAMPLE MINUS TARE	WT AFTER PRE WASH+TARE	WT AFTER PRE WASH-TARE	WASHING LOSS
345.00	195.28	332.03	182.31	12.97
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
120	149.72	Y	0.07	0.04%
120	149.72			
120	149.71			
			SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE WT. RETAINED PLUS TARE	CUMULATIVE WT. RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	161.71	12.00	6.1%	93.9%
10	195.19	45.48	23.3%	76.7%
20	241.26	91.55	46.9%	53.1%
40	294.46	144.75	74.2%	25.8%
100	329.81	180.10	92.3%	7.7%
200	331.78	182.07	93.3%	6.7%
THRU 200	331.95	182.24		
WASH LOSS		12.97		
TOTAL WT. OF SIEVED SAMPLE		195.21	100.0%	0.0%
TECHNICIAN		CALCULATED BY		APPROVED BY
Hoover		Hoover		

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A3	5.7-7.7'	12-2-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
348.68	226.97	339.97	218.28	8.69
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
K1	121.71	Y	0.04	0.02%
K1	121.69			
K1	121.70			
			SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	135.14	13.44	5.9%	94.1%
10	167.28	45.58	20.1%	79.9%
20	206.44	84.74	37.3%	62.7%
40	269.45	147.75	65.1%	34.9%
100	334.35	212.65	93.7%	6.3%
200	339.77	218.07	96.1%	3.9%
THRU 200	339.94	218.24		
WASH LOSS		8.69		
TOTAL Wt. OF SIEVED SAMPLE		226.93	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
Hoover	Hoover			

GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 AMITYVILLE A-3 8.8-9.2 12-17-97

Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
300.58	180.80	256.53	136.75	44.05

TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
44	119.78	Y	0.06	0.03%
44	119.78			
44	119.80			

SAMPLE TYPE: BAG

SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	136.86	17.06	9.4%	90.6%
10	159.01	39.21	21.7%	78.3%
20	185.06	65.26	36.1%	63.9%
40	216.07	96.27	53.3%	46.7%
100	248.27	128.47	71.1%	28.9%
200	255.75	135.95	75.2%	24.8%
THRU 200	256.49	136.69		
WASH LOSS		44.05		
TOTAL Wt. OF SIEVED SAMPLE		180.74	100.0%	0.0%

TECHNICIAN	CALCULATED BY	APPROVED BY
HOOVER	PIFFEN	

GRAIN SIZE ANALYSIS

PROJECT PROJ. NO. BORE HOLE # DEPTH(FT) DATE
 Amityville A3 15.6-16.9 12-2-97

Wt SAMPLE Wt SAMPLE Wt AFTER PRE Wt AFTER PRE WASHING
 PLUS TARE MINUS TARE WASH+TARE WASH-TARE LOSS
 297.38 173.65 294.82 171.09 2.56

TARE TARE PREWASHED? WEIGHT PERCENT
 NUMBER WEIGHT Y/N ERROR ERROR
 115 123.73 Y 0.08 0.05%
 115 123.73
 115 123.73 SAMPLE TYPE: Tube

CUMULATIVE CUMULATIVE CUMULATIVE
 Wt RETAINED Wt RETAINED PERCENT
 SIEVE PLUS TARE MINUS TARE RETAINED PASSING
 1.5" 0.00 0.00 0.0% 100.0%
 1" 0.00 0.00 0.0% 100.0%
 0.5" 0.00 0.00 0.0% 100.0%
 4 128.53 4.80 2.8% 97.2%
 10 148.88 25.15 14.5% 85.5%
 20 174.53 50.80 29.3% 70.7%
 40 227.06 103.33 59.5% 40.5%
 100 290.96 167.23 96.3% 3.7%
 200 290.61 166.88 96.1% 3.9%
 THRU 200 294.74 171.01
 WASH LOSS 2.56
 TOTAL Wt. OF SIEVED SAMPLE 173.57 100.0% 0.0%

TECHNICIAN CALCULATED BY APPROVED BY
 Hoover Hoover

SOILS ANALYSIS

PROJECT NO.					
LOCATION	Amityville	Amityville	Amityville	Amityville	Amityville
BORE HOLE NO.	A1	A1	A1	A1	A1
DEPTH OF SAMPLE (FT)	0.4-1.7'	1.7-2.7'	4.3-5.5'	3.7-4.9	6.3-7.8
SAMPLE TYPE	Tube	Tube	Tube	Tube	Tube

GRAIN SIZE ANALYSIS

% PASSING 1.5"	100.0%	100.0%	100.0%	100.0%	100.0%
% PASSING 1.0"	100.0%	100.0%	100.0%	100.0%	100.0%
% PASSING 0.5"	100.0%	100.0%	100.0%	100.0%	100.0%
% PASSING NO. 4	95.7%	92.5%	95.6%	88.5%	91.0%
% PASSING NO. 10	80.0%	80.5%	83.9%	68.9%	69.1%
% PASSING NO. 20	61.5%	66.6%	62.8%	47.8%	46.8%
% PASSING NO. 40	35.3%	46.9%	30.7%	22.0%	22.3%
% PASSING NO. 100	11.1%	26.1%	11.1%	6.1%	3.5%
% PASSING NO. 200	8.9%	22.8%	7.7%	4.3%	1.9%

ATTERBERG LIMITS

LIGUID LIMIT W_L
 PLASTIC LIMIT W_p
 PLASTIC INDEX I_p
 UNIFIED SOIL CLASS.

STD PROCTOR DENSITY

g/cm³
 lb/ft³
 OPTIMUM MOISTURE CONTENT
 NATURAL MOISTURE CONTENT

PERMEABILITY cm/sc

IN SITU
 PD-COMPACTION MOLD
 PD-HAND RENDLED
 3-VOID
 VOID RATIO (K)
 % SATURATION (K)
 % POROSITY (K)
 DRY DENSITY (K)
 % MOISTURE CONTENT (K)
 SPECIFIC GRAVITY

HYDROMETER

0.02
 0.002
 0.001

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A1	0.4-1.7'	12-2-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
335.71	200.30	319.14	183.73	16.57
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
2	135.41	Y	0.04	0.02%
2	135.41			
2	135.41		SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	143.94	8.53	4.3%	95.7%
10	175.55	40.14	20.0%	80.0%
20	212.49	77.08	38.5%	61.5%
40	265.05	129.64	64.7%	35.3%
100	313.51	178.10	88.9%	11.1%
200	317.94	182.53	91.1%	8.9%
THRU 200	319.10	183.69		
WASH LOSS		16.57		
TOTAL Wt. OF SIEVED SAMPLE		200.26	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
Hoover	Hoover			

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A1	1.7-2.7'	12-2-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
260.87	141.07	230.50	110.70	30.37
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
44	119.80	Y	0.08	0.06%
44	119.80			
44	119.80		SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	130.38	10.58	7.5%	92.5%
10	147.32	27.52	19.5%	80.5%
20	166.86	47.06	33.4%	66.6%
40	194.63	74.83	53.1%	46.9%
100	223.94	104.14	73.9%	26.1%
200	228.66	108.86	77.2%	22.8%
THRU 200	230.42	110.62		
WASH LOSS		30.37		
TOTAL Wt. OF SIEVED SAMPLE		140.99	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
Hoover	Hoover			

*GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A1	4.3-5.5'	12-2-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
330.86	205.65	315.45	190.24	15.41
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
74	125.21	Y	0.07	0.03%
74	125.21			
74	125.21			
			SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	134.28	9.07	4.4%	95.6%
10	158.29	33.08	16.1%	83.9%
20	201.60	76.39	37.2%	62.8%
40	267.60	142.39	69.3%	30.7%
100	308.05	182.84	88.9%	11.1%
200	315.04	189.83	92.3%	7.7%
THRU 200	315.38	190.17		
WASH LOSS		15.41		
TOTAL Wt. OF SIEVED SAMPLE		205.58	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
Hoover	Hoover			

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE
Amityville		A1	3.7-4.9	12-2-97
Wt SAMPLE PLUS TARE	Wt SAMPLE MINUS TARE	Wt AFTER PRE WASH+TARE	Wt AFTER PRE WASH-TARE	WASHING LOSS
328.75	213.81	319.65	204.71	9.10
TARE NUMBER	TARE WEIGHT	PREWASHED? Y/N	WEIGHT ERROR	PERCENT ERROR
50	114.94	Y	0.07	0.03%
50	114.94			
50	114.93			
			SAMPLE TYPE:	Tube
SIEVE	CUMULATIVE Wt RETAINED PLUS TARE	CUMULATIVE Wt RETAINED MINUS TARE	CUMULATIVE PERCENT RETAINED	CUMULATIVE PERCENT PASSING
1.5"	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.0%	100.0%
4	139.43	24.50	11.5%	88.5%
10	181.34	66.41	31.1%	68.9%
20	226.45	111.52	52.2%	47.8%
40	281.67	166.74	78.0%	22.0%
100	315.72	200.79	93.9%	6.1%
200	319.41	204.48	95.7%	4.3%
THRU 200	319.57	204.64		
WASH LOSS		9.10		
TOTAL Wt. OF SIEVED SAMPLE		213.74	100.0%	0.0%
TECHNICIAN	CALCULATED BY		APPROVED BY	
Hoover	Hoover			

GRAIN SIZE ANALYSIS

PROJECT	PROJ. NO.	BORE HOLE #	DEPTH(FT)	DATE	
Amtville		A1	6.3-7.8	12-3-97	
WT SAMPLE	WT SAMPLE	WT AFTER PRE	WT AFTER PRE	WASHING	
295.11	155.72	292.30	152.91	2.81	
PLUS TARE	MINUS TARE	WASH+TARE	WASH-TARE	LOSS	
46	139.39	Y	0.03	0.02%	
TARE NUMBER	TARE WEIGHT	PREWASHED?	WEIGHT ERROR	PERCENT ERROR	
46	139.39	Y	0.03	0.02%	
46	139.39				
SIEVE	CUMULATIVE WT RETAINED	PLUS TARE	MINUS TARE	CUMULATIVE PERCENT RETAINED	PASSING
1.5"	0.00	0.00	0.00	0.0%	100.0%
1"	0.00	0.00	0.00	0.0%	100.0%
0.5"	0.00	0.00	0.00	0.0%	100.0%
4	153.36	13.97	48.15	30.9%	69.1%
10	187.54	48.15	82.87	53.2%	46.8%
20	222.26	82.87	120.98	77.7%	22.3%
40	260.37	120.98	150.24	96.5%	3.5%
100	289.63	150.24	152.76	98.1%	1.9%
200	292.15	152.76	152.88		
THRU 200	292.27	152.88	2.81		
WASH LOSS		2.81			
TOTAL WT. OF SIEVED SAMPLE	155.69			100.0%	0.0%
TECHNICIAN	CALCULATED BY	APPROVED BY			
Hoover	Hoover				

Appendix E
**Regulatory Database
Search Reports, EDR Reports**



EDR® Environmental
Data Resources Inc

The EDR Aerial Photo Decade Package

**Amityville AFRC, NY
600 ALBANY AVE
AMITYVILLE, NY 11701**

Inquiry Number: 1714247.17

July 13, 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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Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography July 13, 2006

Target Property:

600 ALBANY AVE

AMITYVILLE, NY 11701

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1957	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F4/Flight Date: April 12, 1957	EDR
1966	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F4/Flight Date: March 08, 1966	EDR
1976	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F4/Flight Date: April 06, 1976	EDR
1980	Aerial Photograph. Scale: 1"=833'	Panel #: 2440073-F4/Flight Date: September 08, 1980	EDR
1994	Aerial Photograph. Scale: 1"=833'	Panel #: 2440073-F4/Flight Date: April 08, 1994	EDR



INQUIRY #: 1714247.17

YEAR: 1957

| = 750'





INQUIRY #: 1714247.17

YEAR: 1966

| = 750'





INQUIRY #: 1714247.17

YEAR: 1976

— = 750'





INQUIRY #: 1714247.17

YEAR: 1980

| = 833'





INQUIRY #: 1714247.17

YEAR: 1994

— = 833'





EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

Amityville AFRC, NY
600 ALBANY AVE
AMITYVILLE, NY 11701

Inquiry Number: 1714247.18

Monday, July 24, 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 City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1996 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 24, 2006

Target Property:

600 ALBANY AVE
AMITYVILLE, NY 11701

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	US Army Reserve Center	Cole Criss-Cross Directory
2001	US Army Reserve Center	Cole Criss-Cross Directory
2006	US Army Reserve Center	Cole Criss-Cross Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
AMITYVILLE, NY 11701

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	<u>**Albany Avenue**</u>	Cole Criss-Cross Directory
	Residence (580)	Cole Criss-Cross Directory
	Apartment Building (585)	Cole Criss-Cross Directory
	Residence (660)	Cole Criss-Cross Directory
	No other addresses in 580-668 range	Cole Criss-Cross Directory
2001	<u>**Albany Avenue**</u>	Cole Criss-Cross Directory
	Residence (580)	Cole Criss-Cross Directory
	Apartment Building (585)	Cole Criss-Cross Directory
	Office Building (2 Occupants) (599)	Cole Criss-Cross Directory
	Solid Surface Shop Inc (601)	Cole Criss-Cross Directory
	Residence (660)	Cole Criss-Cross Directory
	P&P Pallets & Recyclers Inc (668)	Cole Criss-Cross Directory
2006	<u>**Albany Avenue**</u>	Cole Criss-Cross Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Residence (580)	Cole Criss-Cross Directory
	Apartment Building (585)	Cole Criss-Cross Directory
	Office Building (3 Occupants) (599)	Cole Criss-Cross Directory
	Solid Surface Shop Inc (601)	Cole Criss-Cross Directory
	Residence (660)	Cole Criss-Cross Directory
	P&P Pallets & Recyclers Inc (668)	Cole Criss-Cross Directory



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Amityville AFRC, NY
600 ALBANY AVE
AMITYVILLE, NY 11701**

Inquiry Number: 01714247.14r

July 12, 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

600 ALBANY AVE
AMITYVILLE, NY 11701

COORDINATES

Latitude (North): 40.707300 - 40° 42' 26.3"
Longitude (West): 73.403200 - 73° 24' 11.5"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 634891.9
UTM Y (Meters): 4507280.0
Elevation: 46 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40073-F4 AMITYVILLE, NY
Most Recent Revision: 1994

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>
AMITYVILLE AFRC 600 ALBANY AVE AMITYVILLE, NY 11701	UST	N/A
AMITYVILLE AFRC 600 ALBANY AVE AMITYVILLE, NY 11701	AST	N/A
AMITYVILLE AFRC 600 ALBANY AVE AMITYVILLE, NY 11701	AST	N/A
USARC 600 ALBANY AVENUE AMITYVILLE, NY 11701	RCRA-SQG FINDS NY MANIFEST	NY3210499320

EXECUTIVE SUMMARY

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
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
RCRA-TSDF	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSWDS	Hazardous Substance Waste Disposal Site Inventory
SHWS	Inactive Hazardous Waste Disposal Sites in New York State
SWF/LF	Facility Register
SWRCY	Registered Recycling Facility List
SWTIRE	Registered Waste Tire Storage & Facility List
CBS UST	Chemical Bulk Storage Database
MOSF UST	Major Oil Storage Facilities Database
MOSF AST	Major Oil Storage Facilities 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

EXECUTIVE SUMMARY

SPDES..... State Pollutant Discharge Elimination System
AIRS..... Air Emissions Data

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

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

A review of the CORRACTS list, as provided by EDR, and dated 03/15/2006 has revealed that there are 3 CORRACTS sites 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>
<i>SAFETY KLEEN CORP.</i>	<i>80 SEABRO AVE.</i>	<i>1/2 - 1 NNE</i>	<i>39</i>	<i>65</i>
<i>POLYCOM HUNTSMAN INC.</i>	<i>100 ADAMS BOULEVARD</i>	<i>1/2 - 1 NW</i>	<i>40</i>	<i>85</i>
<i>KBF POLLUTION MANAGEMENT INC</i>	<i>1110 FARMINGDALE RD</i>	<i>1/2 - 1 NNE</i>	<i>41</i>	<i>90</i>

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are

EXECUTIVE SUMMARY

individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/09/2006 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LONG ISLAND LITHOGRAPHERS INC	166 NEW HWY	0 - 1/8 ENE	C12	21
IVY HILL GRAPHICS	605 ALBANY AVE	0 - 1/8 NNE	D17	31
CAPTREE CHEMICAL CORP	605 ALBANY AVE BLDG A	0 - 1/8 NNE	D18	33

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/09/2006 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HEALTH SCIENCES INC	599 ALBANY AVE	0 - 1/8 S	A5	15
ALBERT KEMPERLE INC	176 NEW HWY	0 - 1/8 ENE	B7	16
LEGACY ENGRAVING DIV HISTACOUN	178 NEW HWY	0 - 1/8 NE	B9	19
ULTIMATE PRECISION METAL PROD	178 NEW HWY	0 - 1/8 NE	B10	20
BROOKS LITHO	167 NEW HWY	0 - 1/8 ENE	C13	23
B M G PRINTING INC	169A NEW HWY	0 - 1/8 ENE	C22	38
CAM GRAPHICS CO INC	206 NEW HWY	1/8 - 1/4NNE	E24	38
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PRESTIGE SCREEN PRINTS LTD	130 NEW HWY	1/8 - 1/4ESE	F28	45

STATE AND LOCAL RECORDS

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

A review of the DEL SHWS list, as provided by EDR, and dated 12/30/2005 has revealed that there is 1 DEL SHWS 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>
LOUIS SORRENTINO PROPERTY		1/2 - 1 WNW	42	99

EXECUTIVE SUMMARY

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 04/05/2006 has revealed that there are 9 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RESIDENCE Date Closed: 12/30/99	37 CEDAR ROAD	1/4 - 1/2NW	30	47
2 C CIRCUIT Date Closed: 01/14/93	7000 NEW HORIZON BLVD	1/4 - 1/2E	31	49
HACKETT RESIDENCE Date Closed: 05/04/99	55 CEDAR ROAD	1/4 - 1/2NW	32	51
Not reported Date Closed: 03/22/99	63 CEDAR ROAD	1/4 - 1/2NW	33	54
FAMILOUSI RESIDENCE Date Closed: 05/05/97	70 BIRCH ROAD	1/4 - 1/2NW	35	57
VONER RESIDENCE Date Closed: / /	68 POPLAR ROAD	1/4 - 1/2NW	36	60
PARKING LOT Date Closed: / /	40 SEABRO AVENUE	1/4 - 1/2NNE	37	61
ONTIME FUEL INC Date Closed: 09/30/86	89 BIRCH ROAD	1/4 - 1/2WNW	38	63

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported Date Closed: / /	70 SCHLEIGEL BLVD	1/4 - 1/2W	34	56

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 are 6 HIST LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RESIDENCE	37 CEDAR ROAD	1/4 - 1/2NW	30	47
2 C CIRCUIT	7000 NEW HORIZON BLVD	1/4 - 1/2E	31	49
HACKETT RESIDENCE	55 CEDAR ROAD	1/4 - 1/2NW	32	51
Not reported	63 CEDAR ROAD	1/4 - 1/2NW	33	54
FAMILOUSI RESIDENCE	70 BIRCH ROAD	1/4 - 1/2NW	35	57
ONTIME FUEL INC	89 BIRCH ROAD	1/4 - 1/2WNW	38	63

EXECUTIVE SUMMARY

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 9 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALBERT KEMPERLE INC	176 NEW HWY	0 - 1/8 ENE	B7	16
MAN PRODUCTS INC	178 NEW HIGHWAY	0 - 1/8 NE	B8	18
TRITONE	166 NEW	0 - 1/8 ENE	C14	24
MULTI OCCUPIED BUILDING	167-169 NEW HIGHWAY	0 - 1/8 ENE	C15	25
ALBANY AVE LLC	605 ALBANY AVE	0 - 1/8 NNE	D21	37
RER/CONTINENTAL ACCESSARIES	150 NEW HIGHWAY	1/8 - 1/4ESE	23	38
MAFUCCI MOVING & STORAGE	140 NEW HIGHWAY	1/8 - 1/4ESE	26	41
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SISTERS OF ST DOMINIC (QUEEN O	555 ALBANY AVE	1/8 - 1/4SSW	27	41
TOPIDERM INC	130 NEW HIGHWAY	1/8 - 1/4ESE	F29	46

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 6 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ALBERT KEMPERLE INC	176 NEW HIGHWAY	0 - 1/8 ENE	B6	16
MAN PRODUCTS INC	178 NEW HIGHWAY	0 - 1/8 NE	B11	20
TRITONE	166 NEW	0 - 1/8 ENE	C14	24
MULTI OCCUPIED BUILDING	167-169 NEW HIGHWAY	0 - 1/8 ENE	C16	29
ALBANY AVE LLC	605 ALBANY AVE	0 - 1/8 NNE	D20	36
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SISTERS OF ST DOMINIC (QUEEN O	555 ALBANY AVE	1/8 - 1/4SSW	27	41

CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 CBS AST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NORTH AMITYVILLE SWIMMING POOL	NEW HIGHWAY AT ALBANY A	1/8 - 1/4NNE	E25	40

EXECUTIVE SUMMARY

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

A review of the NY MANIFEST list, as provided by EDR, and dated 05/02/2006 has revealed that there are 9 NY MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>HEALTH SCIENCES INC</i>	<i>599 ALBANY AVE</i>	<i>0 - 1/8 S</i>	<i>A5</i>	<i>15</i>
<i>ALBERT KEMPERLE INC</i>	<i>176 NEW HWY</i>	<i>0 - 1/8 ENE</i>	<i>B7</i>	<i>16</i>
<i>LEGACY ENGRAVING DIV HISTACOUN</i>	<i>178 NEW HWY</i>	<i>0 - 1/8 NE</i>	<i>B9</i>	<i>19</i>
<i>LONG ISLAND LITHOGRAPHERS INC</i>	<i>166 NEW HWY</i>	<i>0 - 1/8 ENE</i>	<i>C12</i>	<i>21</i>
<i>BROOKS LITHO</i>	<i>167 NEW HWY</i>	<i>0 - 1/8 ENE</i>	<i>C13</i>	<i>23</i>
<i>IVY HILL GRAPHICS</i>	<i>605 ALBANY AVE</i>	<i>0 - 1/8 NNE</i>	<i>D17</i>	<i>31</i>
<i>CAPTREE CHEMICAL CORP</i>	<i>605 ALBANY AVE BLDG A</i>	<i>0 - 1/8 NNE</i>	<i>D18</i>	<i>33</i>
<i>CAM GRAPHICS CO INC</i>	<i>206 NEW HWY</i>	<i>1/8 - 1/4 NNE</i>	<i>E24</i>	<i>38</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PRESTIGE SCREEN PRINTS LTD</i>	<i>130 NEW HWY</i>	<i>1/8 - 1/4 ESE</i>	<i>F28</i>	<i>45</i>

SPILLS: Data collected on spills reported to NYSDEC. is 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.

A review of the NY Spills list, as provided by EDR, and dated 04/05/2006 has revealed that there is 1 NY Spills site within approximately 0.125 miles of the target property.

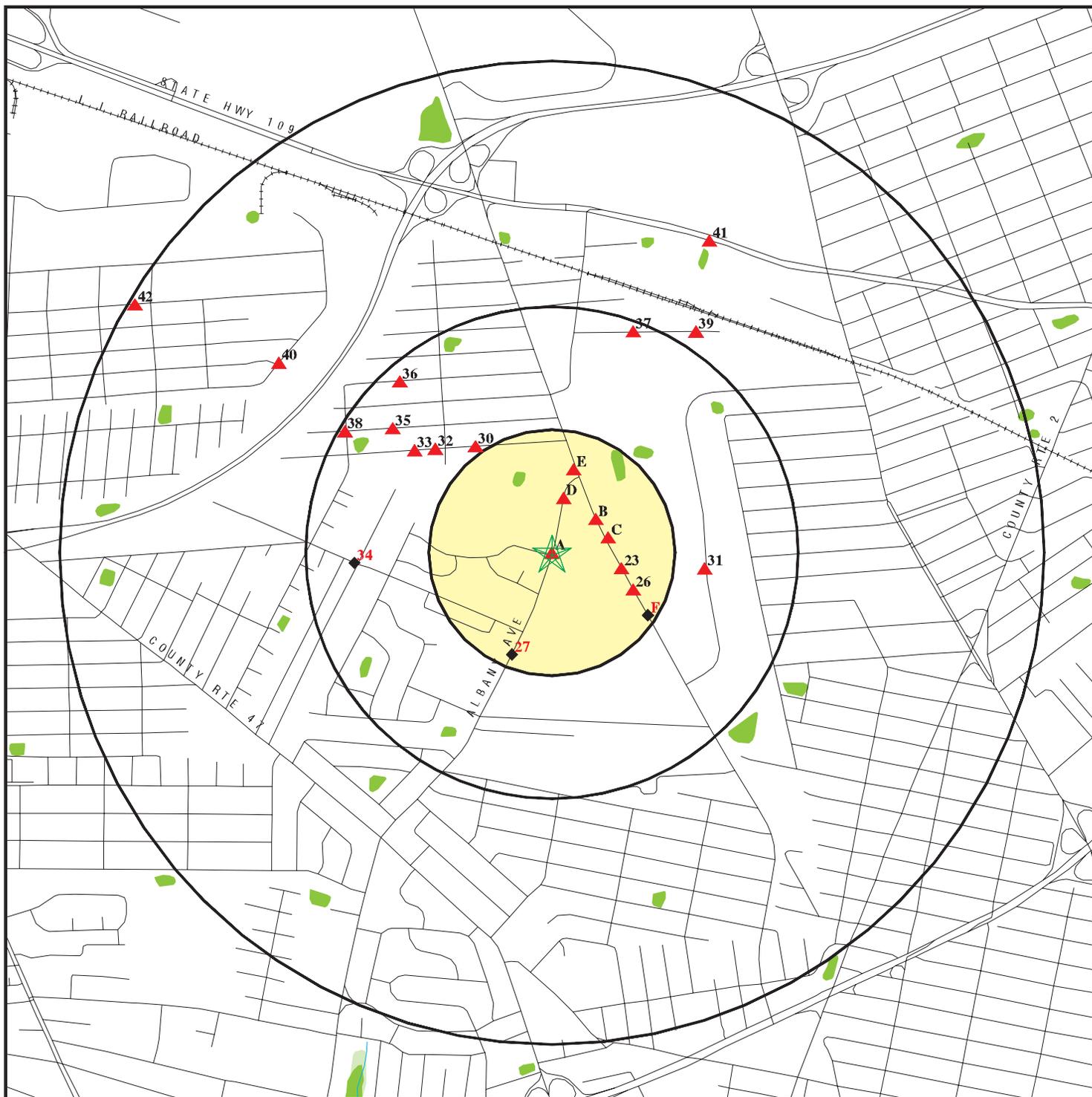
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CAPTREE CHEMICAL/GINCO</i> Date Closed: 09/26/02	<i>605 ALBANY AVENUE</i>	<i>0 - 1/8 NNE</i>	<i>D19</i>	<i>34</i>

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
ISLAND MEDICAL WASTE REMOVAL INC	NY MANIFEST
NYSDEC OIL SPILLS	NY MANIFEST
SOUTH OAK HOSPITAL	NY MANIFEST
GETTY PETROLEUM	NY MANIFEST
LOUIS SORRENTINO PROPERTY	SHWS
INDIAN TAJ	LTANKS
STRIP MALL	LTANKS
BRUNSWICK HOSPITAL CENTER	UST
MI JOE X CELLO AUTOMOTIVE S/S	UST
GETTY S/S #00454	UST
PASTIME PUB	UST
MERRICK ROAD CORP WAREHOUSE	UST
BODY DESIGNS TLC	UST
ROMANELLI S/S	UST, AST
EXXON #70233	UST
SPIFFY LUBE REPAIR	UST
HESS	UST
WRIGHT MARINE BASIN	UST
KALLASH PROPERTY	UST
NAPA AUTO PARTS	UST
CVS(FORMER)	UST
NORTH AMITYVILLE FIRE DEPT	UST
LINROSS S/S	UST
MILLENNIUM S/S	UST
LUMART/AMOCO S/S #1336	UST
LEGEND AUTORAMA	AST
DMA AUTOMOTIVE INC	AST
TRANS AMERICA TRANSMISSION	AST
NICKS AUTOMOTIVE	AST
ROUTE 110 SERVICE/US PETROLEUM	AST
MILLENNIUM S/S	AST
SUNRISE HIGHWAY / RT 110	NY Spills
1151 SUNRISE HWY/W/O GREA	NY Spills, NY Hist Spills
NORTH AMITYVILLE FIRE DEPARTMENT	NY Spills
JERICO MARINE	VCP

OVERVIEW MAP - 01714247.14r



- ★ 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

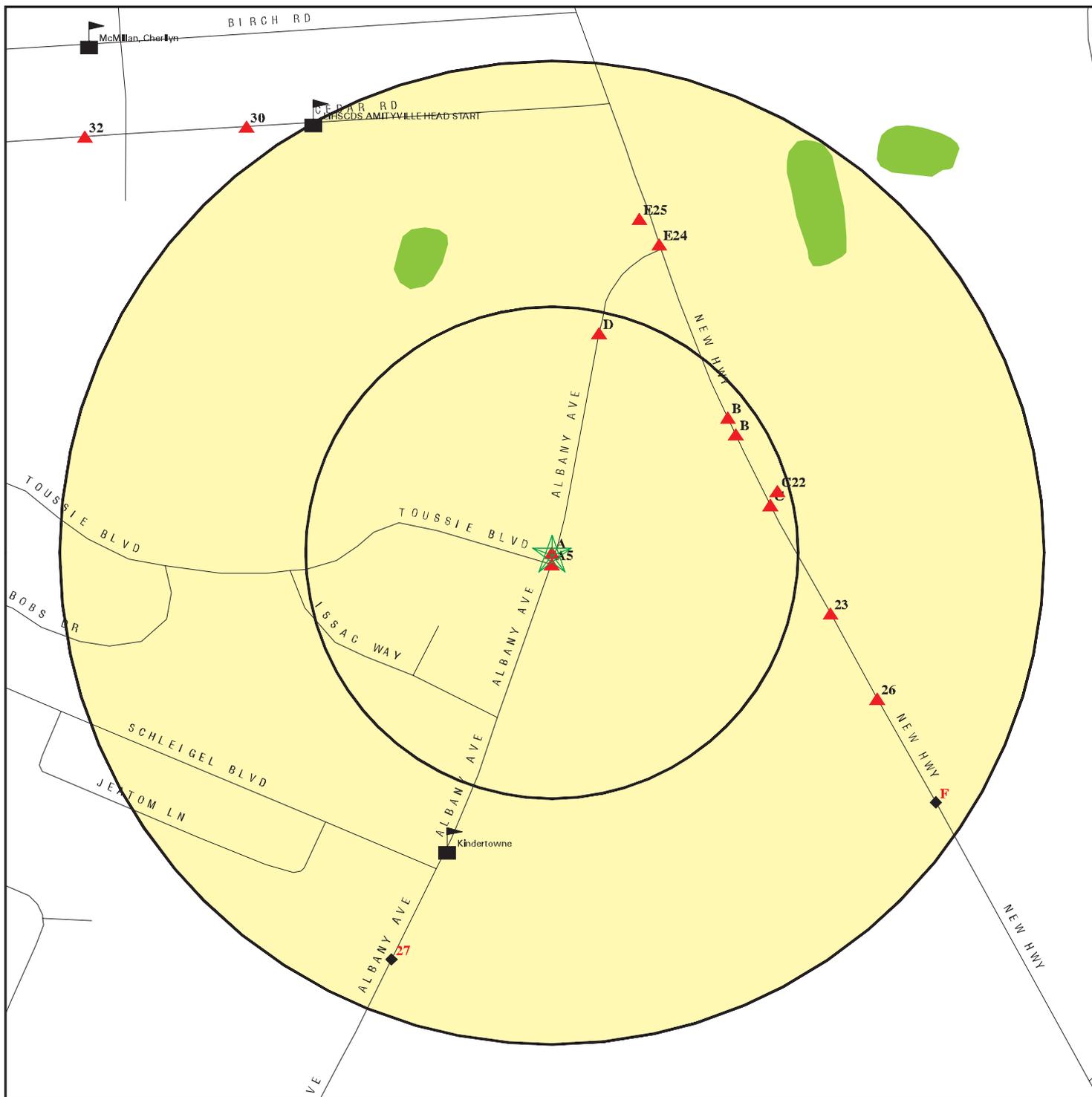
- Indian Reservations BIA
- ▲ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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: Amityville AFRC, NY
 ADDRESS: 600 ALBANY AVE
 AMITYVILLE NY 11701
 LAT/LONG: 40.7073 / 73.4032

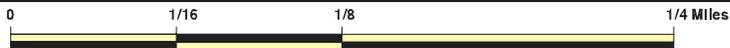
CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.14r
 DATE: July 12, 2006

DETAIL MAP - 01714247.14r



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

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- 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: Amityville AFRC, NY
 ADDRESS: 600 ALBANY AVE
 AMITYVILLE NY 11701
 LAT/LONG: 40.7073 / 73.4032

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.14r
 DATE: July 12, 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	3	NR	3
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	3	0	NR	NR	NR	3
RCRA Sm. Quan. Gen.	X	0.250	6	2	NR	NR	NR	8
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
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	1	NR	1
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	9	NR	NR	9
HIST LTANKS		0.500	0	0	6	NR	NR	6
UST	X	0.250	5	4	NR	NR	NR	9
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
AST	X	0.250	5	1	NR	NR	NR	6
CBS AST		0.250	0	1	NR	NR	NR	1
MOSF AST		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MANIFEST	X	0.250	7	2	NR	NR	NR	9
NY Spills		0.125	1	NR	NR	NR	NR	1
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		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	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

A1 **AMITYVILLE AFRC**
Target **600 ALBANY AVE**
Property **AMITYVILLE, NY 11701**

UST **U003961093**
N/A

Actual:
46 ft.

Site 1 of 5 in cluster A

Suffolk County UST:			
Facility ID:	892		
Owner:	NYAC & FORT HAMILTON		
	BLDG 129		
	BROOKLYN, NY 11201		
Tax Map No:	0100 000.00 000 000.000	Facility Ref #	14833
Tank Count:	17	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	1
Capacity:	0000004000	Installed:	89
Construction:	FRP / FRP		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1997)		
Unique Tank Record:	2685		
Date Removed:	070197		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID:	892		
Owner:	NYAC & FORT HAMILTON		
	BLDG 129		
	BROOKLYN, NY 11201		
Tax Map No:	0100 000.00 000 000.000	Facility Ref #	14833
Tank Count:	17	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	2
Capacity:	0000001000	Installed:	85
Construction:	FRP / FRP		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1997)		
Unique Tank Record:	2686		
Date Removed:	070197		
Content:	Gasoline		
Permit to Operate:	Not reported		
Facility ID:	892		
Owner:	NYAC & FORT HAMILTON		
	BLDG 129		
	BROOKLYN, NY 11201		
Tax Map No:	0100 000.00 000 000.000	Facility Ref #	14833
Tank Count:	17	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	3
Capacity:	0000001000	Installed:	85
Construction:	FRP / FRP		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1997)		
Unique Tank Record:	2687		
Date Removed:	070197		
Content:	Diesel		
Permit to Operate:	Not reported		
Facility ID:	892		
Owner:	NYAC & FORT HAMILTON		
	BLDG 129		
	BROOKLYN, NY 11201		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

AMITYVILLE AFRC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U003961093

<p>Tax Map No: 0100 000.00 000 000.000 Tank Count: 17 Location: UNDER, OUT Capacity: 0000000550 Construction: FRP / FRP Dispenser: SUCTION Tank Status: Removed Tank (Date Removed - 1998) Unique Tank Record: 2688 Date Removed: 102198 Content: Waste Oil Permit to Operate: Not reported</p> <p>Facility ID: 892 Owner: NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201</p> <p>Tax Map No: 0100 000.00 000 000.000 Tank Count: 17 Location: UNDER, OUT Capacity: 0000001000 Construction: FRP / FRP Dispenser: SUCTION Tank Status: Removed Tank (Date Removed - 1997) Unique Tank Record: 2689 Date Removed: 070197 Content: #2 FUEL OIL Permit to Operate: Not reported</p> <p>Facility ID: 892 Owner: NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201</p> <p>Tax Map No: 0100 000.00 000 000.000 Tank Count: 17 Location: UNDER, OUT Capacity: 0000001000 Construction: Not reported Dispenser: Not reported Tank Status: Removed Tank (Date Removed - 1998) Unique Tank Record: 2690 Date Removed: 102198 Content: Waste Oil Permit to Operate: Not reported</p> <p>Facility ID: 892 Owner: NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201</p> <p>Tax Map No: 0100 000.00 000 000.000 Tank Count: 17 Location: UNDER, OUT Capacity: 0000010000 Construction: STEEL Dispenser: Not reported Tank Status: Removed Tank (Date Removed - 1998) Unique Tank Record: 2698 Date Removed: 102198</p>	<p>Facility Ref # 14833 Township : BABYLON Tank ID: 4 Installed: 85 Fill Type: GRAVITY</p> <p>Facility Ref # 14833 Township : BABYLON Tank ID: 5 Installed: 85 Fill Type: PUMPED</p> <p>Facility Ref # 14833 Township : BABYLON Tank ID: 6 Installed: Not reported Fill Type: Not reported</p> <p>Facility Ref # 14833 Township : BABYLON Tank ID: 14 Installed: Not reported Fill Type: Not reported</p>
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Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

AMITYVILLE AFRC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U003961093

Content:	Diesel		
Permit to Operate:	Not reported		
Facility ID:	892		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201		
Tax Map No:	0100 000.00 000 000.000	Facility Ref #	14833
Tank Count:	17	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	15
Capacity:	0000010000	Installed:	Not reported
Construction:	STEEL		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Never Installed		
Unique Tank Record:	2699		
Date Removed:	Not reported		
Content:	Diesel		
Permit to Operate:	Not reported		
Facility ID:	892		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201		
Tax Map No:	0100 000.00 000 000.000	Facility Ref #	14833
Tank Count:	17	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	16
Capacity:	0000000055	Installed:	Not reported
Construction:	Not reported		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Removed Tank (Date Removed - 1998)		
Unique Tank Record:	2700		
Date Removed:	102198		
Content:	Oil/Water Seperator		
Permit to Operate:	Not reported		
Facility ID:	892		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201		
Tax Map No:	0100 000.00 000 000.000	Facility Ref #	14833
Tank Count:	17	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	17
Capacity:	0000000055	Installed:	Not reported
Construction:	Not reported		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Removed Tank (Date Removed - 1998)		
Unique Tank Record:	2701		
Date Removed:	102198		
Content:	Oil/Water Seperator		
Permit to Operate:	Not reported		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A2
Target
Property
AMITYVILLE AFRC
600 ALBANY AVE
AMITYVILLE, NY 11701

AST
U003535318
N/A

Actual:
46 ft.

Site 2 of 5 in cluster A

Suffolk County AST:

Facility ID:	892	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201	Tank Key:	2691
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	7
Capacity:	0000000330	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	17	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	14833
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Unregistered Tank discovered through routine industrial inspection		

Facility ID:	892	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201	Tank Key:	2692
Dispenser:	Not reported		
Location:	ABOVE, OUT	Tank ID:	8
Capacity:	0000000275	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	17	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	14833
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Unregistered Tank discovered through routine industrial inspection		

Facility ID:	892	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201	Tank Key:	2693
Dispenser:	Not reported		
Location:	ABOVE, OUT	Tank ID:	9
Capacity:	0000000330	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	17	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	14833
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Unregistered Tank discovered through routine industrial inspection		

Facility ID:	892	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201	Tank Key:	2694
Dispenser:	Not reported		
Location:	ABOVE, OUT	Tank ID:	10

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

AMITYVILLE AFRC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U003535318

Capacity:	000000330	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	17	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	14833
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Unregistered Tank discovered through routine industrial inspection		
Facility ID:	892	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201		
Dispenser:	Not reported	Tank Key:	2695
Location:	ABOVE, OUT	Tank ID:	11
Capacity:	000000275	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	17	Township :	BABYLON
Fill Type:	GRAVITY	Facility Ref #	14833
Content:	#2 FUEL OIL	Date Removed:	102198
Construction:	STEEL		
Official Use:	Removed Tank (Date Removed - 1998)		
Facility ID:	892	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201		
Dispenser:	Not reported	Tank Key:	2696
Location:	ABOVE, OUT	Tank ID:	12
Capacity:	000000275	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	17	Township :	BABYLON
Fill Type:	GRAVITY	Facility Ref #	14833
Content:	#2 FUEL OIL	Date Removed:	102198
Construction:	STEEL		
Official Use:	Removed Tank (Date Removed - 1998)		
Facility ID:	892	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	NYAC & FORT HAMILTON BLDG 129 BROOKLYN, NY 11201		
Dispenser:	Not reported	Tank Key:	2697
Location:	ABOVE, IN	Tank ID:	13
Capacity:	000000275	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	17	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	14833
Content:	#2 FUEL OIL	Date Removed:	102198
Construction:	Not reported		
Official Use:	Removed Tank (Date Removed - 1998)		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A3
Target
Property
AMITYVILLE AFRC
600 ALBANY AVE
AMITYVILLE, NY 11701

AST **A100265239**
N/A

Actual:
46 ft.

Site 3 of 5 in cluster A

Suffolk County AST:			
Facility ID:	995	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	77TH REG SPRT CMD RESERVE US ARMY BLDG3200 FORT TOTTEN FORT TOTTEN, NY 11359		
		Tank Key:	2939
Dispenser:	OTHER		
Location:	ABOVE, OUT	Tank ID:	1
Capacity:	0000003511	Installed:	96
Tax Map No:	0100		
Tank Count:	6	Township :	BABYLON
Fill Type:	OTHER	Facility Ref #	15366
Content:	Drum Storage	Date Removed:	Not reported
Construction:	STEEL		
Official Use:	Not in Compliance (Date - 1985)		
Facility ID:	995	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	77TH REG SPRT CMD RESERVE US ARMY BLDG3200 FORT TOTTEN FORT TOTTEN, NY 11359		
		Tank Key:	2940
Dispenser:	SUCTION		
Location:	ABOVE, OUT	Tank ID:	2
Capacity:	0000000264	Installed:	98
Tax Map No:	0100		
Tank Count:	6	Township :	BABYLON
Fill Type:	GRAVITY	Facility Ref #	15366
Content:	Waste Oil	Date Removed:	Not reported
Construction:	STEEL / STEEL		
Official Use:	Not in Compliance (Date - 1985)		
Facility ID:	995	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	77TH REG SPRT CMD RESERVE US ARMY BLDG3200 FORT TOTTEN FORT TOTTEN, NY 11359		
		Tank Key:	2941
Dispenser:	OTHER		
Location:	ABOVE, OUT	Tank ID:	3
Capacity:	0000001326	Installed:	96
Tax Map No:	0100		
Tank Count:	6	Township :	BABYLON
Fill Type:	OTHER	Facility Ref #	15366
Content:	Drum Storage	Date Removed:	Not reported
Construction:	STEEL		
Official Use:	Not in Compliance (Date - 1985)		
Facility ID:	995	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	77TH REG SPRT CMD RESERVE US ARMY BLDG3200 FORT TOTTEN FORT TOTTEN, NY 11359		
		Tank Key:	2942
Dispenser:	OTHER		
Location:	ABOVE, OUT	Tank ID:	4

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

AMITYVILLE AFRC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Capacity:	000003386	Installed:	96
Tax Map No:	0100		
Tank Count:	6	Township :	BABYLON
Fill Type:	OTHER	Facility Ref #	15366
Content:	Drum Storage	Date Removed:	Not reported
Construction:	STEEL		
Official Use:	Not in Compliance (Date - 1985)		
Facility ID:	995	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	77TH REG SPRT CMD RESERVE US ARMY BLDG3200 FORT TOTTEN FORT TOTTEN, NY 11359		
		Tank Key:	2943
Dispenser:	OTHER		
Location:	ABOVE, OUT	Tank ID:	5
Capacity:	000003386	Installed:	96
Tax Map No:	0100		
Tank Count:	6	Township :	BABYLON
Fill Type:	OTHER	Facility Ref #	15366
Content:	Drum Storage	Date Removed:	Not reported
Construction:	STEEL		
Official Use:	Not in Compliance (Date - 1985)		
Facility ID:	995	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	ARMY RESERVE 600 ALBANY AVE AMITYVILLE, NY 11701		
		Tank Key:	43942
Dispenser:	SUBMERSIBLE		
Location:	ABOVE, OUT	Tank ID:	6
Capacity:	000000500	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	6	Township :	BABYLON
Fill Type:	GRAVITY	Facility Ref #	15366
Content:	Diesel	Date Removed:	Not reported
Construction:	STEEL / CONCRETE		
Official Use:	Plans have been approved and awaiting construction		

A100265239

A4 USARC
Target 600 ALBANY AVENUE
Property AMITYVILLE, NY 11701

RCRA-SQG 1000423476
FINDS NY3210499320
NY MANIFEST
NJ MANIFEST

Actual:
46 ft.

Site 4 of 5 in cluster A

RCRAInfo:
 Owner: DEPARTMENT OF THE ARMY
 (212) 555-1212
 EPA ID: NY3210499320
 Contact: JOHN RHEE
 (718) 630-4867

Classification: Small Quantity Generator
 TSD Activities: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number

EDR ID Number
EPA ID Number

USARC (Continued)

1000423476

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: ARA6914120
Manifest Status: K
Trans1 State ID: PC0708H01
Trans2 State ID: PC0902H20
Generator Ship Date: 941117
Trans1 Recv Date: 941117
Trans2 Recv Date: 941118
TSD Site Recv Date: 941129
Part A Recv Date: Not reported
Part B Recv Date: 941212
Generator EPA ID: NY3210499320
Trans1 EPA ID: ARD069748192
Trans2 EPA ID: OHD009865825
TSD ID: ARD069748192
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00325
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 94
Facility Type: Generator
EPA ID: NYP000875484
Facility Name: UNITED STATES MILITARY
Facility Address: 600 ALBANY AVE
Facility City: AMITYVILLE
Facility Zip 4: Not reported
Country: Not reported
County: SUFFOLK
Mailing Name: UNITED STATES MILITARY
Mailing Contact: Not reported
Mailing Address: DEPT OF ARMY-600 ALBANY AVE
Mailing City: AMITYVILLE
Mailing State: NY
Mailing Zip: 11701
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 516-842-3368
Facility Type: Generator
EPA ID: NY3210499320
Facility Name: UNITED STATES MILITARY
Facility Address: 600 ALBANY AVE
Facility City: AMITTYVILLE
Facility Zip 4: Not reported
Country: Not reported
County: SUFFOLK

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

USARC (Continued)

1000423476

Mailing Name: UNITED STATES MILITARY
Mailing Contact: MARK WELLS
Mailing Address: C/O DRMO PICATINNYBLDG 314
Mailing City: PICATINNY
Mailing State: NJ
Mailing Zip: 07806
Mailing Zip4: Not reported
Mailing Country: Not reported
Mailing Phone: 201-724-3870

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

NJ MANIFEST:

Manifest Code: NJA4122543
EPA ID: NY3210499320
Date Shipped: 20040727
TSDf EPA ID: NJD980536593
TSDf Received Date: 040727
Transporter EPA ID: NJD080631369
Transporter Received Date: 040727
Waste Code: D001
Quantity Shipped: 30.00000
Unit of Measure: P
Method Code: S01

Manifest Code: NJA4122543
EPA ID: NY3210499320
Date Shipped: 20040727
TSDf EPA ID: NJD980536593
TSDf Received Date: 040727
Transporter EPA ID: NJD080631369
Transporter Received Date: 040727
Waste Code: U154
Quantity Shipped: 30.00000
Unit of Measure: P
Method Code: S01

Manifest Code: NJA4122543
EPA ID: NY3210499320
Date Shipped: 20040727
TSDf EPA ID: NJD980536593
TSDf Received Date: 040727
Transporter EPA ID: NJD080631369
Transporter Received Date: 040727
Waste Code: D002
Quantity Shipped: 5.00000
Unit of Measure: P
Method Code: S01

Manifest Code: NJA4122543
EPA ID: NY3210499320
Date Shipped: 20040727
TSDf EPA ID: NJD980536593

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

USARC (Continued)

EDR ID Number
 EPA ID Number

1000423476

TSDF Received Date: 040727
 Transporter EPA ID: NJD080631369
 Transporter Received Date: 040727
 Waste Code: D002
 Quantity Shipped: 5.00000
 Unit of Measure: P
 Method Code: S01

**A5
 South
 < 1/8
 31 ft.**

**HEALTH SCIENCES INC
 599 ALBANY AVE
 NORTH AMITYVILLE, NY 11701**

**RCRA-SQG 1000871507
 FINDS NY0000059642
 NY MANIFEST**

Site 5 of 5 in cluster A

**Relative:
 Equal**

**Actual:
 46 ft.**

RCRAInfo:
 Owner: PUUDGE CORP
 (516) 765-1850
 EPA ID: NY0000059642
 Contact: CHRISTOPHER ORTIZ
 (516) 789-3319
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: NJA2145466
 Manifest Status: C
 Trans1 State ID: 08690
 Trans2 State ID: Not reported
 Generator Ship Date: 950922
 Trans1 Recv Date: 950922
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 950926
 Part A Recv Date: 950929
 Part B Recv Date: 951006
 Generator EPA ID: NY0000059642
 Trans1 EPA ID: ILD984908202
 Trans2 EPA ID: Not reported
 TSDF ID: NJD002182897
 Waste Code: F003 - UNKNOWN
 Quantity: 00438
 Units: P - Pounds
 Number of Containers: 001
 Container Type: DM - Metal drums, barrels
 Handling Method: B Incineration, heat recovery, burning.
 Specific Gravity: 100
 Year: 95
 Facility Type: Generator

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

HEALTH SCIENCES INC (Continued)

1000871507

EPA ID: NY0000059642
 Facility Name: HEALTH SCIENCE
 Facility Address: 599 ALBANY AVE
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported
 Country: Not reported
 County: SUFFOLK
 Mailing Name: HEALTH SCIENCE
 Mailing Contact: CHRISTOPHER ORTIZ
 Mailing Address: 599 ALBANY AVE
 Mailing City: AMITYVILLE
 Mailing State: NY
 Mailing Zip: 11701
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 516-789-3319

[Click this hyperlink](#) while viewing on your computer to access 6 additional NY MANIFEST: record(s) in the EDR Site Report.

**B6
 ENE
 < 1/8
 587 ft.**

**ALBERT KEMPERLE INC
 176 NEW HIGHWAY
 NORTH AMITYVILLE, NY 11701**

**AST A100195559
 N/A**

Site 1 of 6 in cluster B

**Relative:
 Higher**

Suffolk County AST:	1875	Region:	Not reported
Facility ID:	011196		
Permit to Operate:	011196		
Owner:	176 NEW HIGHWAY REALTY HOLDING CORP 176 NEW HIGHWAY NORTH AMITYVILLE, NY 11701		
		Tank Key:	4916
Dispenser:	Not reported		
Location:	ABOVE, IN		
Capacity:	0000131000	Tank ID:	1
Tax Map No:	0100	Installed:	92
Tank Count:	2	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	04827
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Permitted Tank. Permit Runs Out - 2001		

**Actual:
 48 ft.**

**B7
 ENE
 < 1/8
 587 ft.**

**ALBERT KEMPERLE INC
 176 NEW HWY
 NORTH AMITYVILLE, NY 11701**

**RCRA-SQG 1000206531
 FINDS NYD001515733
 UST
 NY MANIFEST**

Site 2 of 6 in cluster B

**Relative:
 Higher**

**Actual:
 48 ft.**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

ALBERT KEMPERLE INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000206531

RCRAInfo:

Owner: RONALD KEMPERLE
 (516) 841-1241

EPA ID: NYD001515733

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 08/13/1990
 Actual Date Achieved Compliance: 08/13/1990

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900813

FINDS:

Other Pertinent Environmental Activity Identified at Site:

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NY MANIFEST:

Document ID: NJA0009722
 Manifest Status: K
 Trans1 State ID: NJSWAS632
 Trans2 State ID: Not reported
 Generator Ship Date: 850108
 Trans1 Recv Date: 850108
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 850108
 Part A Recv Date: 850311
 Part B Recv Date: 850123
 Generator EPA ID: NYD001515733
 Trans1 EPA ID: NJD048810279
 Trans2 EPA ID: Not reported
 TSDF ID: NJD048810279
 Waste Code: F001 - UNKNOWN
 Quantity: 00150
 Units: G - Gallons (liquids only)* (8.3 pounds)
 Number of Containers: 003
 Container Type: DM - Metal drums, barrels
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 100
 Year: 85
 Facility Type: Generator
 EPA ID: NYD001515733
 Facility Name: ARLEN INDUSTRIES INC
 Facility Address: 176 NEW HIGHWAY
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported
 Country: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

ALBERT KEMPERLE INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000206531

County: SUFFOLK
 Mailing Name: ARLEN INDUSTRIES INC
 Mailing Contact: Not reported
 Mailing Address: 176 NEW HIGHWAY
 Mailing City: AMITYVILLE
 Mailing State: NY
 Mailing Zip: 11701
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 516-842-7600

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

Suffolk County UST:

Facility ID:	1875		
Owner:	176 NEW HIGHWAY REALTY HOLDING CORP		
	176 NEW HIGHWAY		
	NORTH AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 002.004	Facility Ref #	04827
Tank Count:	2	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	2
Capacity:	0000002500	Installed:	Not reported
Construction:	STEEL		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Removed Tank (Date Removed - 2002)		
Unique Tank Record:	44124		
Date Removed:	090602		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

**B8
 NE
 < 1/8
 596 ft.**

**MAN PRODUCTS INC
 178 NEW HIGHWAY
 NORTH AMITYVILLE, NY 11701**

**UST U003960838
 N/A**

Site 3 of 6 in cluster B

**Relative:
 Higher**

Suffolk County UST:

**Actual:
 48 ft.**

Facility ID:	3130		
Owner:	TOB INDUSTRIAL DEVEL AGENCY		
	57 WEST SUNRISE HWY		
	LINDENHURST, NY 11757		
Tax Map No:	0100 126.00 001 002.002	Facility Ref #	08432
Tank Count:	2	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	1
Capacity:	0000002000	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Heating Oil Tanks Greater Than 1100 Gallons. Next test - 2007		
Unique Tank Record:	8117		
Date Removed:	Not reported		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B9 **LEGACY ENGRAVING DIV HISTACOUNT CORP**
NE **178 NEW HWY**
< 1/8 **NORTH AMITYVILLE, NY 11701**
596 ft.

RCRA-SQG **1000145113**
FINDS **NYD077511665**
NY MANIFEST

Site 4 of 6 in cluster B

Relative:
Higher

RCRAInfo:
 Owner: HISTACOUNT CORP DIV SCM CORP
 (212) 555-1212
 EPA ID: NYD077511665
 Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

Actual:
48 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: NYO4064427
 Manifest Status: K
 Trans1 State ID: 1A-042
 Trans2 State ID: Not reported
 Generator Ship Date: 840515
 Trans1 Recv Date: 840515
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 840515
 Part A Recv Date: 840703
 Part B Recv Date: 840523
 Generator EPA ID: NYD077511665
 Trans1 EPA ID: NYD082785429
 Trans2 EPA ID: Not reported
 TSDF ID: NYD082785429
 Waste Code: D009 - MERCURY 0.2 MG/L TCLP
 Quantity: 00110
 Units: G - Gallons (liquids only)* (8.3 pounds)
 Number of Containers: 002
 Container Type: DM - Metal drums, barrels
 Handling Method: Not reported
 Specific Gravity: 100
 Year: 84
 Facility Type: Generator
 EPA ID: NYD077511665
 Facility Name: LEGACY ENGRAVING
 Facility Address: 178 NEW HIGHWAY
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported
 Country: Not reported
 County: SUFFOLK
 Mailing Name: LEGACY ENGRAVING
 Mailing Contact: UNKNOWN
 Mailing Address: 178 NEW HIGHWAY
 Mailing City: AMITYVILLE

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

LEGACY ENGRAVING DIV HISTACOUNT CORP (Continued)

1000145113

Mailing State: NY
 Mailing Zip: 11701
 Mailing Zip4: Not reported
 Mailing Country: Not reported
 Mailing Phone: 516-842-7400

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

**B10
 NE
 < 1/8
 596 ft.**

**ULTIMATE PRECISION METAL PROD
 178 NEW HWY
 NORTH AMITYVILLE, NY 11701**

**RCRA-SQG 1000254939
 FINDS NYD982722746**

Site 5 of 6 in cluster B

**Relative:
 Higher**

RCRAInfo:
 Owner: VINCENT MALLIA
 (212) 555-1212
 EPA ID: NYD982722746
 Contact: Not reported
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

**Actual:
 48 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**B11
 NE
 < 1/8
 596 ft.**

**MAN PRODUCTS INC
 178 NEW HIGHWAY
 NORTH AMITYVILLE, NY 11701**

**AST U003535198
 N/A**

Site 6 of 6 in cluster B

**Relative:
 Higher**

Suffolk County AST:
 Facility ID: 3130 Region: Not reported
 Permit to Operate: Not reported
 Owner: TOB INDUSTRIAL DEVEL AGENCY
 57 WEST SUNRISE HWY
 LINDENHURST, NY 11757 Tank Key: 42750
 Dispenser: Not reported
 Location: ABOVE, OUT Tank ID: 2
 Capacity: 0000000330 Installed: Not reported
 Tax Map No: 0100
 Tank Count: 2 Township: BABYLON
 Fill Type: Not reported Facility Ref #: 08432
 Content: Drum Storage Date Removed: 013103
 Construction: Not reported
 Official Use: Removed Tank (Date Removed - 2003)

**Actual:
 48 ft.**

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C12 **LONG ISLAND LITHOGRAPHERS INC**
ENE **166 NEW HWY**
< 1/8 **NORTH AMITYVILLE, NY 11701**
600 ft.

FINDS **1000231915**
RCRA-LQG **NYD060321718**
NY MANIFEST
NJ MANIFEST

Site 1 of 6 in cluster C

Relative:
Higher

RCRAInfo:

Owner: RICHARD W HARTMAN
 (516) 425-1691

Actual:
48 ft.

EPA ID: NYD060321718

Contact: Not reported

Classification: Large Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: NYA7178724
 Manifest Status: C
 Trans1 State ID: 000000000
 Trans2 State ID: 000000000
 Generator Ship Date: 890526
 Trans1 Recv Date: 890526
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 890526
 Part A Recv Date: 890602
 Part B Recv Date: 890606
 Generator EPA ID: NYD060321718
 Trans1 EPA ID: NYD981182769
 Trans2 EPA ID: Not reported
 TSDF ID: NYD981182769
 Waste Code: D011 - SILVER 5.0 MG/L TCLP
 Quantity: 00165
 Units: G - Gallons (liquids only)* (8.3 pounds)
 Number of Containers: 003
 Container Type: DF - Fiberboard or plastic drums (glass)
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 100
 Year: 89
 Facility Type: Generator
 EPA ID: NYD060321718
 Facility Name: TRI TONE ISLAND LITHOGRAPHERS
 Facility Address: 166 NEW HIGHWAY
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported
 Country: Not reported
 County: SUFFOLK
 Mailing Name: TRITONE LONG ISLAND LITHOGRAPHERS
 Mailing Contact: Not reported
 Mailing Address: 3180 EXPRESS DR S - SUITE J
 Mailing City: ISLANDIA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LONG ISLAND LITHOGRAPHERS INC (Continued)

1000231915

Mailing State: NY
Mailing Zip: 11749
Mailing Zip4: 5010
Mailing Country: USA
Mailing Phone: 516-789-1500

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

NJ MANIFEST:

Manifest Code: NJA5075840
EPA ID: NYD060321718
Date Shipped: 20040112
TSDf EPA ID: NJD002200046
TSDf Received Date: 040112
Transporter EPA ID: NJ0000027193
Transporter Received Date: 040112
Waste Code: D011
Quantity Shipped: 65.00000
Unit of Measure: G
Method Code: S01

Manifest Code: NJA5075840
EPA ID: NYD060321718
Date Shipped: 20040112
TSDf EPA ID: NJD002200046
TSDf Received Date: 040112
Transporter EPA ID: NJ0000027193
Transporter Received Date: 040112
Waste Code: F003
Quantity Shipped: 55.00000
Unit of Measure: G
Method Code: S01

Manifest Code: NJA5075841
EPA ID: NYD060321718
Date Shipped: 20040112
TSDf EPA ID: NJD002200046
TSDf Received Date: 040112
Transporter EPA ID: NJ0000027193
Transporter Received Date: 040112
Waste Code: D001
Quantity Shipped: 50.00000
Unit of Measure: P
Method Code: S01

Manifest Code: NJA5075841
EPA ID: NYD060321718
Date Shipped: 20040112
TSDf EPA ID: NJD002200046
TSDf Received Date: 040112
Transporter EPA ID: NJ0000027193
Transporter Received Date: 040112
Waste Code: D011

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

LONG ISLAND LITHOGRAPHERS INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Quantity Shipped: 165.00000
 Unit of Measure: G
 Method Code: S01

1000231915

Manifest Code: NJA5009477
 EPA ID: NYD060321718
 Date Shipped: 20040206
 TSDf EPA ID: NJD002200046
 TSDf Received Date: 040206
 Transporter EPA ID: NJ0000027193
 Transporter Received Date: 040206
 Waste Code: D011
 Quantity Shipped: 55.00000
 Unit of Measure: G
 Method Code: S01

Manifest Code: NJA5009477
 EPA ID: NYD060321718
 Date Shipped: 20040206
 TSDf EPA ID: NJD002200046
 TSDf Received Date: 040206
 Transporter EPA ID: NJ0000027193
 Transporter Received Date: 040206
 Waste Code: F003
 Quantity Shipped: 165.00000
 Unit of Measure: G
 Method Code: S01

C13
ENE
< 1/8
600 ft.

BROOKS LITHO
167 NEW HWY
AMITYVILLE, NY 11701

RCRA-SQG 1001113486
FINDS NYR000024760
NY MANIFEST

Relative:
Higher

Site 2 of 6 in cluster C

RCRAInfo:
 Owner: 601 ALBANY AVENUE CORP
 (800) 827-0918
 EPA ID: NYR000024760
 Contact: DAVID BROOKS
 (516) 789-4500

Actual:
48 ft.

Classification: Small Quantity Generator
 TSDf Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
 Document ID: NJA4120815

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BROOKS LITHO (Continued)

1001113486

Manifest Status: Not reported
 Trans1 State ID: NJ0000027193
 Trans2 State ID: Not reported
 Generator Ship Date: 04/11/2003
 Trans1 Recv Date: 04/11/2003
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 04/11/2003
 Part A Recv Date: Not reported
 Part B Recv Date: Not reported
 Generator EPA ID: NYR000024760
 Trans1 EPA ID: NJD002200046
 Trans2 EPA ID: Not reported
 TSD ID: S5811
 Waste Code: D002 - NON-LISTED CORROSIVE WASTES
 Quantity: 00165
 Units: G - Gallons (liquids only)* (8.3 pounds)
 Number of Containers: 003
 Container Type: DM - Metal drums, barrels
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 01.00
 Year: 03
 Facility Type: Generator
 EPA ID: NYR000024760
 Facility Name: BROOKS LITHO
 Facility Address: 166 NEW HIGHWAY
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported
 Country: Not reported
 County: SUFFOLK
 Mailing Name: BROOKS LITHO
 Mailing Contact: RICHARD WHALEN
 Mailing Address: 166 NEW HIGHWAY
 Mailing City: AMITYVILLE
 Mailing State: NY
 Mailing Zip: 11701
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 516-789-4500

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

C14 **TRITONE**
ENE **166 NEW**
< 1/8 **NORTH AMITYVILLE, NY 11701**
600 ft.

UST **U003534969**
AST **N/A**

Relative:
Higher

Site 3 of 6 in cluster C

Suffolk County UST:
 Facility ID: 1967
 Owner: TRITONE
 166 NEW HWY
 NORTH AMITYVILLE, NY 11701
 Tax Map No: 0100 096.00 001 020.000
 Tank Count: 2
 Location: UNDER, OUT
 Capacity: 0000003000
 Construction: STEEL

Facility Ref # 05256
 Township : BABYLON
 Tank ID: 1
 Installed: Not reported

Actual:
48 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

TRITONE (Continued)

EDR ID Number
 EPA ID Number

U003534969

Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Never Installed		
Unique Tank Record:	5113		
Date Removed:	Not reported		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Suffolk County AST:			
Facility ID:	1967	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	TRITONE		
	166 NEW HWY		
	NORTH AMITYVILLE, NY 11701	Tank Key:	5114
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	2
Capacity:	0000000825	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	2	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	05256
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Unregistered Tank discovered through routine industrial inspection		

**C15
 ENE
 < 1/8
 600 ft.**

**MULTI OCCUPIED BUILDING
 167-169 NEW HIGHWAY
 AMITYVILLE, NY 11701**

**UST U003961288
 N/A**

**Relative:
 Higher**

Site 4 of 6 in cluster C

**Actual:
 48 ft.**

Suffolk County UST:			
Facility ID:	16073		
Owner:	ALBANY AVENUE MANAGEMENT LLC		
	601 ALBANY AVE		
	AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	1
Capacity:	0000001000	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2002)		
Unique Tank Record:	43809		
Date Removed:	050702		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID: 16073			
Owner: ALBANY AVENUE MANAGEMENT LLC			
601 ALBANY AVE			
AMITYVILLE, NY 11701			
Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	2
Capacity:	0000000550	Installed:	1978
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2003)		
Unique Tank Record:	43810		
Date Removed:	111703		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MULTI OCCUPIED BUILDING (Continued)

U003961288

Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID:	16073		
Owner:	ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	3
Capacity:	0000000550	Installed:	1978
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2003)		
Unique Tank Record:	43811		
Date Removed:	111703		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID:	16073		
Owner:	ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	4
Capacity:	0000000550	Installed:	1978
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2003)		
Unique Tank Record:	43812		
Date Removed:	111803		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID:	16073		
Owner:	ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	5
Capacity:	0000001000	Installed:	1978
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2003)		
Unique Tank Record:	43813		
Date Removed:	111903		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID:	16073		
Owner:	ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MULTI OCCUPIED BUILDING (Continued)

EDR ID Number
 EPA ID Number

Database(s)

U003961288

Facility ID: 16073
 Owner: ALBANY AVENUE MANAGEMENT LLC
 601 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	10
Capacity:	0000000550	Installed:	1978
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2003)		
Unique Tank Record:	43818		
Date Removed:	112103		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Facility ID: 16073
 Owner: ALBANY AVENUE MANAGEMENT LLC
 601 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	11
Capacity:	0000000550	Installed:	1978
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2003)		
Unique Tank Record:	43819		
Date Removed:	112103		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Facility ID: 16073
 Owner: ALBANY AVENUE MANAGEMENT LLC
 601 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 126.00 001 004.001	Facility Ref #	16325
Tank Count:	22	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	12
Capacity:	0000000550	Installed:	1978
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2002)		
Unique Tank Record:	43820		
Date Removed:	052202		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

C16 ENE < 1/8 600 ft.	MULTI OCCUPIED BUILDING 167-169 NEW HIGHWAY AMITYVILLE, NY 11701	AST	A100265317 N/A
Relative: Higher	Site 5 of 6 in cluster C		
Actual: 48 ft.	Suffolk County AST:		
	Facility ID: 16073	Region:	Not reported
	Permit to Operate: Not reported		
	Owner: ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701	Tank Key:	43821
	Dispenser: SUCTION		
	Location: ABOVE, IN	Tank ID:	13
	Capacity: 0000000550	Installed:	1978
	Tax Map No: 0100		
	Tank Count: 22	Township :	BABYLON
	Fill Type: PUMPED	Facility Ref #	16325
	Content: #2 FUEL OIL	Date Removed:	Not reported
	Construction: Not reported		
	Official Use: Exempt from Suffolk County Art 12 Regulation		
	Facility ID: 16073	Region:	Not reported
	Permit to Operate: Not reported		
	Owner: ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701	Tank Key:	45310
	Dispenser: SUCTION		
	Location: ABOVE, IN	Tank ID:	14
	Capacity: 0000000275	Installed:	2003
	Tax Map No: 0100		
	Tank Count: 22	Township :	BABYLON
	Fill Type: PUMPED	Facility Ref #	16325
	Content: #2 FUEL OIL	Date Removed:	Not reported
	Construction: STEEL		
	Official Use: Exempt from Suffolk County Art 12 Regulation		
	Facility ID: 16073	Region:	Not reported
	Permit to Operate: Not reported		
	Owner: ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701	Tank Key:	45311
	Dispenser: SUCTION		
	Location: ABOVE, IN	Tank ID:	15
	Capacity: 0000000275	Installed:	2003
	Tax Map No: 0100		
	Tank Count: 22	Township :	BABYLON
	Fill Type: PUMPED	Facility Ref #	16325
	Content: #2 FUEL OIL	Date Removed:	Not reported
	Construction: STEEL		
	Official Use: Exempt from Suffolk County Art 12 Regulation		
	Facility ID: 16073	Region:	Not reported
	Permit to Operate: Not reported		
	Owner: ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701	Tank Key:	45312
	Dispenser: SUCTION		
	Location: ABOVE, IN	Tank ID:	16

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MULTI OCCUPIED BUILDING (Continued)

EDR ID Number
 EPA ID Number

Database(s)

A100265317

Capacity: 0000000275 Installed: 2003
 Tax Map No: 0100
 Tank Count: 22 Township : BABYLON
 Fill Type: PUMPED Facility Ref # 16325
 Content: #2 FUEL OIL Date Removed: Not reported
 Construction: STEEL
 Official Use: Exempt from Suffolk County Art 12 Regulation

Facility ID: 16073 Region: Not reported
 Permit to Operate: Not reported
 Owner: ALBANY AVENUE MANAGEMENT LLC
 601 ALBANY AVE
 AMITYVILLE, NY 11701 Tank Key: 45313

Dispenser: SUCTION
 Location: ABOVE, IN Tank ID: 17
 Capacity: 0000000240 Installed: 2003
 Tax Map No: 0100
 Tank Count: 22 Township : BABYLON
 Fill Type: PUMPED Facility Ref # 16325
 Content: #2 FUEL OIL Date Removed: Not reported
 Construction: STEEL
 Official Use: Exempt from Suffolk County Art 12 Regulation

Facility ID: 16073 Region: Not reported
 Permit to Operate: Not reported
 Owner: ALBANY AVENUE MANAGEMENT LLC
 601 ALBANY AVE
 AMITYVILLE, NY 11701 Tank Key: 45314

Dispenser: SUCTION
 Location: ABOVE, IN Tank ID: 18
 Capacity: 0000000275 Installed: 2003
 Tax Map No: 0100
 Tank Count: 22 Township : BABYLON
 Fill Type: PUMPED Facility Ref # 16325
 Content: #2 FUEL OIL Date Removed: Not reported
 Construction: STEEL
 Official Use: Exempt from Suffolk County Art 12 Regulation

Facility ID: 16073 Region: Not reported
 Permit to Operate: Not reported
 Owner: ALBANY AVENUE MANAGEMENT LLC
 601 ALBANY AVE
 AMITYVILLE, NY 11701 Tank Key: 45315

Dispenser: SUCTION
 Location: ABOVE, IN Tank ID: 19
 Capacity: 0000000275 Installed: 2003
 Tax Map No: 0100
 Tank Count: 22 Township : BABYLON
 Fill Type: PUMPED Facility Ref # 16325
 Content: #2 FUEL OIL Date Removed: Not reported
 Construction: STEEL
 Official Use: Exempt from Suffolk County Art 12 Regulation

Facility ID: 16073 Region: Not reported
 Permit to Operate: Not reported
 Owner: ALBANY AVENUE MANAGEMENT LLC
 601 ALBANY AVE

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MULTI OCCUPIED BUILDING (Continued)

EDR ID Number
 EPA ID Number

Database(s)

A100265317

Dispenser: Location: Capacity: Tax Map No: Tank Count: Fill Type: Content: Construction: Official Use:	AMITYVILLE, NY 11701 SUCTION ABOVE, IN 0000000240 0100 22 PUMPED #2 FUEL OIL STEEL Exempt from Suffolk County Art 12 Regulation	Tank Key: Tank ID: Installed: Township : Facility Ref # Date Removed:	45316 20 2003 BABYLON 16325 Not reported
Facility ID: Permit to Operate: Owner:	16073 Not reported ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701	Region:	Not reported
Dispenser: Location: Capacity: Tax Map No: Tank Count: Fill Type: Content: Construction: Official Use:	SUCTION ABOVE, IN 0000000275 0100 22 PUMPED #2 FUEL OIL STEEL Exempt from Suffolk County Art 12 Regulation	Tank Key: Tank ID: Installed: Township : Facility Ref # Date Removed:	45317 21 2003 BABYLON 16325 Not reported
Facility ID: Permit to Operate: Owner:	16073 Not reported ALBANY AVENUE MANAGEMENT LLC 601 ALBANY AVE AMITYVILLE, NY 11701	Region:	Not reported
Dispenser: Location: Capacity: Tax Map No: Tank Count: Fill Type: Content: Construction: Official Use:	SUCTION ABOVE, IN 0000000240 0100 22 PUMPED #2 FUEL OIL STEEL Exempt from Suffolk County Art 12 Regulation	Tank Key: Tank ID: Installed: Township : Facility Ref # Date Removed:	45318 22 2003 BABYLON 16325 Not reported

D17
NNE
 < 1/8
 603 ft.

IVY HILL GRAPHICS
605 ALBANY AVE
NORTH AMITYVILLE, NY 11701

FINDS 1000117069
RCRA-LQG NYD982727729
NY MANIFEST

Relative:
Higher

Site 1 of 5 in cluster D

Actual:
 48 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

IVY HILL GRAPHICS (Continued)

1000117069

RCRAInfo:
 Owner: CAPTREE REALTY
 (800) 899-2725
 EPA ID: NYD982727729
 Contact: Not reported
 Classification: Large Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: NJA0562183
 Manifest Status: K
 Trans1 State ID: 000000000
 Trans2 State ID: 000000000
 Generator Ship Date: 890823
 Trans1 Recv Date: 890823
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 890824
 Part A Recv Date: 891003
 Part B Recv Date: 890830
 Generator EPA ID: NYD982727729
 Trans1 EPA ID: ILD051060408
 Trans2 EPA ID: Not reported
 TSDF ID: NJD002182897
 Waste Code: F001 - UNKNOWN
 Quantity: 02000
 Units: P - Pounds
 Number of Containers: 004
 Container Type: DM - Metal drums, barrels
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 100
 Waste Code: Not reported
 Quantity: 00500
 Units: P - Pounds
 Number of Containers: 001
 Container Type: DM - Metal drums, barrels
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 100
 Year: 89
 Facility Type: Generator
 EPA ID: NYD982727729
 Facility Name: IVY HILL GRAPHICS
 Facility Address: 605 ALBANY AVENUE
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

IVY HILL GRAPHICS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000117069

Country: Not reported
 County: SUFFOLK
 Mailing Name: IVY HILL GRAPHICS
 Mailing Contact: Not reported
 Mailing Address: 605 ALBANY AVENUE
 Mailing City: AMITYVILLE
 Mailing State: NY
 Mailing Zip: 11701
 Mailing Zip4: Not reported
 Mailing Country: Not reported
 Mailing Phone: 516-842-6800

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

**D18
 NNE
 < 1/8
 603 ft.**

**CAPTREE CHEMICAL CORP
 605 ALBANY AVE BLDG A
 AMITYVILLE, NY 11701**

**FINDS 1005905748
 RCRA-LQG NYR000108324
 NY MANIFEST**

Site 2 of 5 in cluster D

**Relative:
 Higher**

RCRAInfo:
 Owner: ERNEST P GONZALEZ
 (631) 841-0200
 EPA ID: NYR000108324
 Contact: BILL COLTER
 (516) 903-3384
 Classification: Large Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

**Actual:
 48 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: NJA4151211
 Manifest Status: Not reported
 Trans1 State ID: MOD095038998
 Trans2 State ID: Not reported
 Generator Ship Date: 08/27/2002
 Trans1 Recv Date: 08/27/2002
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 08/27/2002
 Part A Recv Date: Not reported
 Part B Recv Date: Not reported
 Generator EPA ID: NYR000108324
 Trans1 EPA ID: NJD002200046
 Trans2 EPA ID: Not reported
 TSDF ID: 50083
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES
 Quantity: 00400
 Units: P - Pounds

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CAPTREE CHEMICAL CORP (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1005905748

Number of Containers: 001
 Container Type: DF - Fiberboard or plastic drums (glass)
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 01.00
 Year: 02
 Facility Type: Generator
 EPA ID: NYR000108324
 Facility Name: CAPTREE CHEMICAL CORP
 Facility Address: 605 ALBANY AVE
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported
 Country: USA
 County: SUFFOLK
 Mailing Name: CAPTREE CHEMICAL CORP
 Mailing Contact: N/S
 Mailing Address: 605 ALBANY AVE
 Mailing City: AMITYVILLE
 Mailing State: NY
 Mailing Zip: 11701
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 631-841-5355

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

**D19
 NNE
 < 1/8
 603 ft.**

**CAPTREE CHEMICAL/GINCO
 605 ALBANY AVENUE
 AMITYVILLE, NY**

**NY Spills S106004512
 N/A**

Site 3 of 5 in cluster D

**Relative:
 Higher**

SPILLS:

**Actual:
 48 ft.**

DER Facility ID : 175723
 Site ID : 212060
 Spill Number: 0225086
 Investigator: DHRAYMON
 Caller Name: JIM MARCHICCA
 Caller Phone: (516) 595-1082
 Notifier Name: Not reported
 Notifier Phone: Not reported
 Spill Date: 06/13/02
 Facility Address 2: Not reported
 Facility Type: ER
 Referred To : Not reported
 Remediation Phase : 0
 Program Number : 0225086
 Spill Cause: OTHER
 Water Affected: Not reported
 Contact Name: BILL UPTON
 Spill Notifier: OTHER
 Spiller: BILL UPTON
 Spiller Company : CAPTREE CHEMICAL/GINCO
 Spiller Address: 605 ALBANY AVENUE
 AMITYVILLE, NY
 Spiller County : 001
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
 Willing Responsible Party. Corrective action taken.

CID : 02
 Region of Spill: 1
 SWIS: 5200
 Caller Agency: A-DIVERSIFIED
 Caller Extension: Not reported
 Notifier Agency: Not reported
 Notifier Extension: Not reported
 Reported to Dept: 06/13/02

DEC Region : 1
 Spill Source: COMMERCIAL/INDUSTRIAL
 Facility Tele: (631) 261-1600

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CAPTREE CHEMICAL/GINCO (Continued)

S106004512

Spill Closed Dt: 09/26/02
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std: True
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Regional Use: 02-045
Spill Record Last Update: 09/27/02
Date Spill Entered In Computer Data File: 06/13/02

Material
Material ID : 512778
Site ID : 212060
Operable Unit : 01
Operable Unit ID : 866508
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : 0.00
Units : G

Recovered : No
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
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

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "RAYMOND 02-045" 06/13/02: The Suffolk County Health Dept (Janet Gremler) was on site for the removal of 1 1K fuel oil tank and 1 2K fuel oil tank. Contaminated soil was found around the 2K. After approximately 50cy of soil was removed, endpoint samples were taken and the SCHD okayed the backfilling of the excavation. 08/01/02: An attorney (Upton?) left a message to call. 08/02/02: Left message for Gremler. 08/06/02: Upton left message. 08/06/02: Left message for Upton. 08/06/02 (A): Gremler called- two partners (Captree and Ginco?) bought the site. One (Captree) had a fire at some point. They have now had a "falling out", and the site is being sold. 08/06/02 (B): She was satisfied with the cleanup (NO STAINING NOR ODORS). She will send her report. 08/06/02 (C): CA Rich (consultant for the buyer) took endpoint samples. 08/06/02 (D): DRYWELLS here were also cleaned out. 08/06/02: Upton left message. 08/13/02: Upton called- informed him DEC needed the endpoint data, the soil disposal receipts, and the SCHD report. 08/19/02: A Diversified called- HE DID NOT TAKE ANY ENDPOINT SAMPLES. He will fax the soil disposal receipts. 08/20/02: A Diversified faxed the soil disposal receipts. 08/26/02: Upton left message. 08/26/02: Called Upton- informed him DEC still needed the SCHD report and the endpoint data. 08/27/02: Gremler left message- contact John Gladysz for her report. 08/28/02: Upton left message- HAVING A

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CAPTREE CHEMICAL/GINCO (Continued)

S106004512

CLOSING TODAY. 08/28/02: Spoke to Gladysz- requested Janet's report. 08/28/02: Spoke to Janet- BELIEVES CA RICH TOOK ENDPOINT SAMPLES. 09/05/02: Upton left message. 09/10/02 (A): Upton called- he has a bill from A Diversified for "sampling". Informed him this was probably from the soil stockpile for DISPOSAL purposes, and not ENDPOINT data. He will doublecheck with A Diversified and CA Rich to determine whether either of them took endpoint samples. 09/10/02 (B): Informed him that sampling is much more sensitive than a visual/olfactory check, and with the low levels outline in the contaminated soil guidance, it is possible that sampling might detect contamination that was still of concern. 09/10/02: Upton called- has letter from CA Rich to their client indicating that they decided NOT to take any endpoint samples, based on the SCDH's findings. 09/11/02 (A): Met A Diversified at another site- HE DID NOT PERFORM ENDPOINT SAMPLING, merely took a sample for DISPOSAL purposes. 09/11/02 (B): He seemed to recall a consultant being present; he may have scooped up soil for them. 09/11/02 (C): The SCDH was satisfied with the cleanup. 09/11/02 (D): Informed him Spills had discussed the above with Upton on 10Sept. 09/11/02 (E): He further indicated he had noted [AT WHAT TIME?] workers from Captree washing the residue of [unknown] "powdered chemicals" out of box trucks and into an adjacent drain. He had notified Upton. 09/12/02: Upton left message. 09/12/02 (A): Called Upton- he doublechecked with CA Rich, and was told they did NOT perform endpoint sampling. 09/12/02 (B): DEC to review case for closure.

Remark: EXCAVATED 2000 GAL UST. WITNESSED BY SCDH (JANET GREMLI). CONTAMINATED SOIL. 50 YARDS REMOVED. TANK INSPECTED BY SCDH. SCDH GAVE OK TO BACKFILL. BOTTOM AND SIDEWALL SAMPLES COLLECTED. WILL SEND RESULTS WHEN ANALYSIS COMPLETE. ***DEC NOTE: T
 HERE WAS ALSO A 1K FUEL OIL TANK REMOVED; IT WAS OK. THERE ARE TWO PARTNERS HERE- CAPTREE AND GINCO. THEY HAVE HAD A DISPUTE, AND THE SITE IS BEING SOLD. UPTON IS THE COURT-APPOINTED RECEIVER.

D20 ALBANY AVE LLC
NNE 605 ALBANY AVE
< 1/8 NORTH AMITYVILLE, NY 11701
603 ft.

AST A100264936
N/A

**Relative:
 Higher**

Site 4 of 5 in cluster D

**Actual:
 48 ft.**

Suffolk County AST:			
Facility ID:	3157	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	CAPTREE REALTY GROUP		
	605 ALBANY AVE		
	NORTH AMITYVILLE, NY 11701	Tank Key:	8153
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	3
Capacity:	0000001250	Installed:	90
Tax Map No:	0100		
Tank Count:	4	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	08592
Content:	Drum Storage	Date Removed:	082802
Construction:	Not reported		
Official Use:	Removed Tank (Date Removed - 2002)		
Facility ID:	3157	Region:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

ALBANY AVE LLC (Continued)

EDR ID Number
 EPA ID Number

A100264936

Permit to Operate:	Not reported		
Owner:	CAPTREE REALTY GROUP %WILLIAM UPTON 52 BROADWAY GREENLAWN, NY 11740		
	Tank Key:	43905	
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	4
Capacity:	000000250	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	4	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	08592
Content:	Drum Storage	Date Removed:	082802
Construction:	Not reported		
Official Use:	Removed Tank (Date Removed - 2002)		

**D21
 NNE
 < 1/8
 603 ft.**

**ALBANY AVE LLC
 605 ALBANY AVE
 NORTH AMITYVILLE, NY 11701**

**UST U003535204
 N/A**

Site 5 of 5 in cluster D

**Relative:
 Higher**

Suffolk County UST:

**Actual:
 48 ft.**

Facility ID:	3157		
Owner:	CAPTREE REALTY GROUP 605 ALBANY AVE NORTH AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 004.002	Facility Ref #	08592
Tank Count:	4	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	1
Capacity:	000002000	Installed:	79
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2002)		
Unique Tank Record:	8151		
Date Removed:	061302		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID:	3157		
Owner:	CAPTREE REALTY GROUP 605 ALBANY AVE NORTH AMITYVILLE, NY 11701		
Tax Map No:	0100 126.00 001 004.002	Facility Ref #	08592
Tank Count:	4	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	2
Capacity:	000001000	Installed:	79
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 2002)		
Unique Tank Record:	8152		
Date Removed:	061302		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

C22 ENE < 1/8 628 ft.	B M G PRINTING INC 169A NEW HWY NORTH AMITYVILLE, NY 11701	RCRA-SQG FINDS	1000114893 NYD154811277
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Site 6 of 6 in cluster C

Relative: Higher	RCRAInfo: Owner: TIMOTHY CHELIUS (212) 555-1212 EPA ID: NYD154811277 Contact: Not reported Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found		
Actual: 48 ft.			

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

23 ESE 1/8-1/4 766 ft.	RER/CONTINENTAL ACCESSARIES 150 NEW HIGHWAY NORTH AMITYVILLE, NY 11701	UST	U003960773 N/A
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Relative: Higher	Suffolk County UST: Facility ID: 2080 Owner: RAC INDUSTRIAL DELEVOPERS 3505 VETERANS HWY RONKONKOMA, NY 11779 Tax Map No: 0100 126.01 001 016.000 Tank Count: 1 Location: UNDER, OUT Capacity: 0000003000 Construction: STEEL Dispenser: SUCTION Tank Status: Permitted Tank. Permit Runs Out - 1991 Unique Tank Record: 5230 Date Removed: Not reported Content: #2 FUEL OIL Permit to Operate: Not reported	Facility Ref # 05517 Township : BABYLON Tank ID: 1 Installed: 86 Fill Type: PUMPED	
Actual: 47 ft.			

E24 NNE 1/8-1/4 877 ft.	CAM GRAPHICS CO INC 206 NEW HWY AMITYVILLE, NY 11701	RCRA-SQG FINDS NY MANIFEST	1004761228 NYR000082016
--	---	---	--

Site 1 of 2 in cluster E

Relative:
Higher

Actual:
49 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CAM GRAPHICS CO INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1004761228

RCRAInfo:

Owner: EMANUAL CARDINALE
(631) 842-3400

EPA ID: NYR000082016

Contact: PAUL DRAGO
(631) 842-3400

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: NYG2932272
Manifest Status: Not reported
Trans1 State ID: NYD077444263
Trans2 State ID: Not reported
Generator Ship Date: 06/29/2001
Trans1 Recv Date: 06/29/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/02/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000082016
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: 68235AK
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 01
Facility Type: Generator
EPA ID: NYR000082016
Facility Name: CAM GRAPHIC CO INC
Facility Address: 206 NEW HWY
Facility City: AMITYVILLE
Facility Zip 4: Not reported
Country: USA
County: SUFFOLK
Mailing Name: CAM GRAPHIC CO INC
Mailing Contact: B DRESHER
Mailing Address: 206 NEW HWY
Mailing City: AMITYVILLE

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CAM GRAPHICS CO INC (Continued)

EDR ID Number
 EPA ID Number

1004761228

Mailing State: NY
 Mailing Zip: 11701
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 631-842-3400

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

**E25
 NNE
 1/8-1/4
 926 ft.**

**NORTH AMITYVILLE SWIMMING POOL
 NEW HIGHWAY AT ALBANY AVENUE
 NORTH AMITYVILLE, NY 11701**

**CBS AST S103825983
 N/A**

Site 2 of 2 in cluster E

**Relative:
 Higher**

**Actual:
 49 ft.**

CBS AST:			
CBS Number:	1-000492	Telephone:	(631) 422-7600
Owner:	TOWN OF BABYLON 200 EAST SUNRISE HIGHWAY LINDENHURST, NY 11757 (631) 957-3025		
Facility Status:	Active		
Total Tanks	1		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	Not reported		
Capacity (Gal):	525		
Tank Type:	Other		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	Diking		
Pipe Type:	OTHER	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	None		
Overfill Protection:	Not reported		
Chemical:	Sodium hypochlorite		
Tank Closed:	Not reported		
PBS Number:	Not reported	SWIS Code:	4720
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	10022705
SPDES Number:	Not reported	ICS Number:	Not reported
Facility Type:	Municipality		
Operator:	TOWN OF BABYLON	Facility Town:	BABYLON
Emrgncy Contact:	JAMES A. NEMLEY	Emrgncy Phone:	(631) 422-7600
Certified Date:	04/04/2001	Expiration Date:	03/11/2003
Owner type:	Local Government		
Owner Sub Type:	Not reported		
Mail Name:	TOWN OF BABYLON		
Mail Contact:	JAMES A. HEMLEY TOWN HALL 200 EAST SUNRISE HIGHWAY LINDENHURST, NY 11757		
Mail Phone:	(631) 957-3025		
Tank Secret:	False	Date Entered:	03/10/1999 08:58:48

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NORTH AMITYVILLE SWIMMING POOL (Continued)

S103825983

Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	Not reported	Date Expired:	Not reported
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	525		
Unique Tank Id Number:	001		
Date Pre-Printed Renewal App Form Was Last Printed:		12/15/2000	

**26
 ESE
 1/8-1/4
 957 ft.**

**MAFFUCCI MOVING & STORAGE
 140 NEW HIGHWAY
 AMITYVILLE, NY 11701**

**UST U003534966
 N/A**

**Relative:
 Equal
 Actual:
 46 ft.**

Suffolk County UST:			
Facility ID:	3055		
Owner:	P S LEASING		
	140 NEW HIGHWAY		
	AMITYVILLE, NY 11701		
Tax Map No:	0100 126.01 001 016.000	Facility Ref #	08290
Tank Count:	1	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	1
Capacity:	0000003000	Installed:	86
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Permitted Tank. Permit Runs Out - 1991		
Unique Tank Record:	8019		
Date Removed:	Not reported		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

**27
 SSW
 1/8-1/4
 1173 ft.**

**SISTERS OF ST DOMINIC (QUEEN OF ROS
 555 ALBANY AVE
 NORTH AMITYVILLE, NY 11701**

**UST U003960699
 AST N/A**

**Relative:
 Lower
 Actual:
 43 ft.**

Suffolk County UST:			
Facility ID:	1206		
Owner:	SISTERS OF THE ORDER OF ST DOMINIC		
	555 ALBANY AVE		
	AMITYVILLE, NY 11701		
Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	1
Capacity:	0000006000	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1992)		
Unique Tank Record:	3472		
Date Removed:	011392		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		
Facility ID:	1206		
Owner:	SISTERS OF THE ORDER OF ST DOMINIC		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SISTERS OF ST DOMINIC (QUEEN OF ROS (Continued))

EDR ID Number
 EPA ID Number

Database(s)

U003960699

555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	2
Capacity:	0000001500	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1992)		
Unique Tank Record:	3473		
Date Removed:	011392		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC

555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	3
Capacity:	0000000550	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1992)		
Unique Tank Record:	3474		
Date Removed:	011392		
Content:	Gasoline		
Permit to Operate:	Not reported		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC

555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	4
Capacity:	0000000550	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1992)		
Unique Tank Record:	3475		
Date Removed:	011392		
Content:	Gasoline		
Permit to Operate:	Not reported		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC

555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	5
Capacity:	0000015000	Installed:	Not reported
Construction:	STEEL		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Removed Tank (Date Removed - 1992)		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SISTERS OF ST DOMINIC (QUEEN OF ROS (Continued))

EDR ID Number
 EPA ID Number

U003960699

Unique Tank Record: 3476
 Date Removed: 031692
 Content: #2 FUEL OIL
 Permit to Operate: Not reported

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC
 555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	6
Capacity:	0000005000	Installed:	Not reported
Construction:	STEEL		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Removed Tank (Date Removed - 1992)		
Unique Tank Record:	3477		
Date Removed:	031692		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC
 555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	7
Capacity:	0000005000	Installed:	Not reported
Construction:	STEEL		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Removed Tank (Date Removed - 1992)		
Unique Tank Record:	3478		
Date Removed:	031692		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC
 555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	8
Capacity:	0000002500	Installed:	92
Construction:	FRP / FRP		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Tank Status:	Permitted Tank. Permit Runs Out - 1997		
Unique Tank Record:	3479		
Date Removed:	Not reported		
Content:	Gasoline		
Permit to Operate:	082492		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC
 555 ALBANY AVE
 AMITYVILLE, NY 11701

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SISTERS OF ST DOMINIC (QUEEN OF ROS (Continued))

EDR ID Number
 EPA ID Number

Database(s)

U003960699

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	9
Capacity:	0000001000	Installed:	Not reported
Construction:	Not reported		
Dispenser:	Not reported	Fill Type:	Not reported
Tank Status:	Removed Tank (Date Removed - 1992)		
Unique Tank Record:	3480		
Date Removed:	081792		
Content:	Gasoline		
Permit to Operate:	Not reported		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC
 555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	10
Capacity:	0000002500	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1993)		
Unique Tank Record:	3481		
Date Removed:	060993		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Facility ID: 1206
 Owner: SISTERS OF THE ORDER OF ST DOMINIC
 555 ALBANY AVE
 AMITYVILLE, NY 11701

Tax Map No:	0100 123.00 002 021.002	Facility Ref #	02358
Tank Count:	13	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	11
Capacity:	0000001500	Installed:	Not reported
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1993)		
Unique Tank Record:	3482		
Date Removed:	060993		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Suffolk County AST:

Facility ID:	1206	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	SISTERS OF THE ORDER OF ST DOMINIC 555 ALBANY AVE AMITYVILLE, NY 11701		
		Tank Key:	47142
Dispenser:	Not reported		
Location:	ABOVE, OUT	Tank ID:	12
Capacity:	0000001400	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	13	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	02358
Content:	Diesel	Date Removed:	Not reported
Construction:	Not reported		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SISTERS OF ST DOMINIC (QUEEN OF ROS (Continued))

EDR ID Number
 EPA ID Number

Database(s)

U003960699

Official Use:	Not in Compliance (Date - 1985)		
Facility ID:	1206	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	SISTERS OF THE ORDER OF ST DOMINIC 555 ALBANY AVE AMITYVILLE, NY 11701		
Dispenser:	Not reported	Tank Key:	47143
Location:	ABOVE, IN	Tank ID:	13
Capacity:	0000000275	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	13	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	02358
Content:	Diesel	Date Removed:	Not reported
Construction:	STEEL		
Official Use:	Not in Compliance (Date - 1982)		

**F28
 ESE
 1/8-1/4
 1230 ft.**

**PRESTIGE SCREEN PRINTS LTD
 130 NEW HWY
 AMITYVILLE, NY 11701**

**RCRA-SQG 1000790035
 FINDS NYD987015096
 NY MANIFEST**

Site 1 of 2 in cluster F

**Relative:
 Lower**

RCRAInfo:
 Owner: JOHN DE LORENZO
 (516) 842-0225
 EPA ID: NYD987015096
 Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

**Actual:
 45 ft.**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

Document ID: NYB5384997
 Manifest Status: C
 Trans1 State ID: GE9561
 Trans2 State ID: Not reported
 Generator Ship Date: 930525
 Trans1 Recv Date: 930525
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 930525
 Part A Recv Date: 930604
 Part B Recv Date: 930615
 Generator EPA ID: NYD987015096
 Trans1 EPA ID: NYD981182769
 Trans2 EPA ID: Not reported
 TSDF ID: NYD981182769
 Waste Code: D011 - SILVER 5.0 MG/L TCLP
 Quantity: 00055
 Units: G - Gallons (liquids only)* (8.3 pounds)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PRESTIGE SCREEN PRINTS LTD (Continued)

1000790035

Number of Containers: 001
 Container Type: DF - Fiberboard or plastic drums (glass)
 Handling Method: R Material recovery of more than 75 percent of the total material.
 Specific Gravity: 100
 Year: 93
 Facility Type: Generator
 EPA ID: NYD987015096
 Facility Name: PRESTIGE SCREEN PRINTS
 Facility Address: 130 NEW HIGHWAY
 Facility City: AMITYVILLE
 Facility Zip 4: Not reported
 Country: Not reported
 County: SUFFOLK
 Mailing Name: PRESTIGE SCREEN PRINTS
 Mailing Contact: JAMES T KENNEDY
 Mailing Address: 23 CLAFFORD LN
 Mailing City: MELVILLE
 Mailing State: NY
 Mailing Zip: 11747
 Mailing Zip4: Not reported
 Mailing Country: Not reported
 Mailing Phone: 516-842-0225

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

F29 **TOPIDERM INC**
ESE **130 NEW HIGHWAY**
1/8-1/4 **NORTH AMITYVILLE, NY 11701**
1230 ft.

UST **U003843537**
N/A

Site 2 of 2 in cluster F

Relative:
Lower

Suffolk County UST: 3050
 Facility ID:
 Owner: TOPIDERM INC
 130 NEW HIGHWAY
 NORTH AMITYVILLE, NY 11701

Actual:
45 ft.

Tax Map No:	0100 126.01 001 016.007	Facility Ref #	08285
Tank Count:	1	Township :	BABYLON
Location:	UNDER, OUT	Tank ID:	1
Capacity:	0000003000	Installed:	86
Construction:	STEEL	Fill Type:	PUMPED
Dispenser:	SUCTION		
Tank Status:	Permitted Tank. Permit Runs Out - 1991		
Unique Tank Record:	8018		
Date Removed:	Not reported		
Content:	#2 FUEL OIL		
Permit to Operate:	Not reported		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

**30
 NW
 1/4-1/2
 1406 ft.**

**RESIDENCE
 37 CEDAR ROAD
 AMITYVILLE, NY**

**LTANKS S104515399
 HIST LTANKS N/A**

**Relative:
 Higher**

LTANKS:

**Actual:
 50 ft.**

Spill Number:	9815093	Region of Spill:	1
Facility ID:	9815093	DER Facility ID:	229277
Site ID:	282422	CID:	02
Spill Date:	03/20/99	Reported to Dept:	03/20/99
Referred To:	Not reported	DEC Region:	1
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING
Spill Cause:	TANK OVERFILL		
Facility Address 2:	Not reported	Facility Tele:	(516) 264-0249
Investigator:	DONOVAN	SWIS:	5200
Caller Name:	ARTIE BALDWIN	Caller Agency:	TRADEWINDS ENVIRONMENTAL
Caller Phone:	(516) 755-4000	Caller Extension:	Not reported
Notifier Name:	ANANNA FUEL	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	ARTIE BALDWIN	Spiller Phone:	(516) 755-4000
Spiller:	Not reported		
Spiller Company:	ANANNA FUEL		
Spiller Address:	ZZ		
Spiller County:	001		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Spill Closed Dt: 12/30/99

Spill Notifier: OTHER
 Cleanup Ceased: / /
 Last Inspection: / /
 Cleanup Meets Standard: True
 Recommended Penalty: Penalty Not Recommended
 UST Trust: False
 Spill Record Last Update: 01/03/00
 Date Spill Entered In Computer Data File: 03/20/99
 Remediation Phase: 0
 Program Number: 9815093
 Regional Use: Not reported
 Material
 Material ID : 308214
 Site ID : 282422
 Operable Unit : 01
 Operable Unit ID : 1076120
 Material Code : 0001
 Material Name : #2 Fuel Oil
 Case No. : Not reported
 Material FA : Petroleum
 Quantity : 0.00
 Units : G
 Recovered : No
 Resource Affected - Soil : Yes
 Resource Affected - Air : No
 Resource Affected - Indoor Air : No
 Resource Affected - Groundwater : No
 Resource Affected - Surface Water : No
 Resource Affected - Drinking Wtr : No
 Resource Affected - Sewer : No
 Resource Affected - Impervious Surface : No
 Resource Affected - Subway : No

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

RESIDENCE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S104515399

Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False
Tank Test
Spill Tank Test : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported
DEC Remarks : Not reported
Remark: DRIVER OVERFILLED TANK - APPROX 3 TO 4 GALS ON GROUND OUTSIDE AND MORE PRODUCT ON BASEMENT FLOOR - NO CLEAN UP

HIST LTANKS:

Spill Number: 9815093 Region of Spill: 1
Spill Date: 03/20/1999 12:05 Reported to Dept: 03/20/99 14:06
Water Affected: Not reported Spill Source: Private Dwelling
Resource Affectd: On Land
Spill Cause: Tank Overfill
Facility Contact: Not reported Facility Tele: (516) 264-0249
Investigator: DONOVAN SWIS: 47
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: ARTIE BALDWIN Spiller Phone: (516) 755-4000
Spiller: ANANNA FUEL
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/30/99
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 01/03/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/20/99
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: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

RESIDENCE (Continued)

S104515399

Material Class Type: 1
 Quantity Spilled: 0
 Units: Gallons
 Unknown Qty Spilled: No
 Quantity Recovered: 0
 Unknown Qty Recovered: False
 Material: #2 FUEL OIL
 Class Type: Petroleum
 Chem Abstract Service Number: #2 FUEL OIL
 Last Date: 12/07/1994
 Num Times Material Entry In File: 24464

DEC Remarks: ACAMPORA HAD TELECON WITH ARTIE BALDWIN ON SCENE. PAT ANANNA ALSO ON SITE FUEL OIL CO) AS PER BOTH, THEY HAVE BEEN REFUSE ACCESS BY RESIDENT TO PROCEED WITH CLEANUP. AS PER MR ANANNA, SITE GAUGE ON TANK FAILED CAUSING OVERFILL OUSIDE IN BASEMENT. ARTIE BALDWIN HIRED BY AMBROISE INS CO FOR FUEL OIL COMP, ASKEN THEM TO STAND BY UNTIL DEC CONTACT RESIDENT. ACAMPORA HAD TELECON WITH RESIDENT SHE IS IRATE AND HAS REFUSED ENTRY. EXPLAINED TO HER THAT A CONTRACTOR IS STANDING BY TO PROCEED BUT THEY MUST ASSESS INCIDENT. SHE INDICATED THAT HER HUSBAND IS AT HOSPITAL AND MUST BE PICKED UP. DEC ADVISED HER TO LET TRADEWINDS ASSESS AND THEY COULD RETURN AT LATER DATE TO COMPLETE CLEANUP. SHE AGREED. ACAMPORA SPOKE WITH ARTIE BALDWIN EXPLAINED TELECON. HE PROCEEDED TO HOUSE WHILE DEC ON PHONE. RESIDENT ALLOWED HIM INTO BASEMENT. AS PER ARTIE BALDWIN SPILL ON BASEMENT FLOOR AND HAS ALSO IMPACTED STORED ITEMS. NO FLOOR DRAINS. HE WILL MAKE ARRANGEMENTS FOR CLEANUP WITH RESIDENT, NO RESPONSE REQD AT THIS TIME SPILL CLEANED UP, 3 BAGS GENERATED AND PROPERLY DISPOSED OF NO FURTHER ACTION

Spill Cause: DRIVER OVERFILLED TANK - APPROX 3 TO 4 GALS ON GROUND OUTSIDE AND MORE PRODUCT ON BASEMENT FLOOR - NO CLEAN UP

**31
 East
 1/4-1/2
 1649 ft.**

**2 C CIRCUIT
 7000 NEW HORIZON BLVD
 NO AMITYVILLE, NY**

**LTANKS S100494049
 HIST LTANKS N/A**

**Relative:
 Equal**

**Actual:
 46 ft.**

LTANKS:

Spill Number: 9207235	Region of Spill: 1
Facility ID: 9207235	DER Facility ID: 100630
Site ID: 115482	CID: 02
Spill Date: 09/22/92	Reported to Dept: 09/22/92
Referred To: Not reported	DEC Region: 1
Water Affected: Not reported	Spill Source: COMMERCIAL/INDUSTRIAL
Spill Cause: TANK TEST FAILURE	
Facility Address 2: Not reported	Facility Tele: Not reported
Investigator: T/T/F	SWIS: 5200
Caller Name: PAT VOLINO	Caller Agency: A VOLINO & SONS
Caller Phone: (516) 334-0414	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: Not reported	
Spiller Company: 2 C CIRCUIT	
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: 01/14/93
 Spill Notifier: TANK TESTER
 Cleanup Ceased: 01/14/93

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

2 C CIRCUIT (Continued)

S100494049

Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Record Last Update: 03/30/04
Date Spill Entered In Computer Data File: 09/23/92
Remediation Phase: 0
Program Number: 9207235
Regional Use: Not reported
Material
Material ID : 407886
Site ID : 115482
Operable Unit : 01
Operable Unit ID : 974211
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : 0.00
Units : G
Recovered : No
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 : 15178
Site ID : 115482
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 : Not reported
Remark: 10K FAILED -.981, VOLINO & SONS TESTER, SCDH NOTIFIED

HIST LTANKS:

Spill Number: 9207235
Spill Date: 09/22/1992 16:30
Water Affected: Not reported
Resource Affect: Groundwater
Spill Cause: Tank Test Failure
Facility Contact: Not reported
Investigator: T/T/F
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Region of Spill: 1
Reported to Dept: 09/22/92 08:49
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 47
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HACKETT RESIDENCE (Continued)

S103824122

Caller Name: JOHN MARRA
Caller Phone: (516) 785-2700
Notifier Name: MR HACKETT
Notifier Phone: (516) 842-2080
Spiller Contact: MR HACKETT
Spiller: MR HACKETT
Spiller Company: HACKETT RESIDENCE
Spiller Address: 55 CEDAR ROAD
AMITYVILLE, NY
Spiller County: 001
Spill Class: Known release that creates potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.

Caller Agency: ALLIED CONTRACTORS
Caller Extension: Not reported
Notifier Agency: CUSTOMER
Notifier Extension: Not reported
Spiller Phone: (516) 842-2080

Spill Closed Dt: 05/04/99

Spill Notifier: OTHER
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Trust: False

Spill Record Last Update: 05/24/99
Date Spill Entered In Computer Data File: 02/13/99

Remediation Phase: 0
Program Number: 9813829
Regional Use: Not reported

Material
Material ID : 310534
Site ID : 80429
Operable Unit : 01
Operable Unit ID : 1074539
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : 200.00
Units : G

Recovered : No
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
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 : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HACKETT RESIDENCE (Continued)

S103824122

Last Modified : Not reported
Test Method : Not reported
DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "FORD" TELECON WITH JOHN MARRON: ATOMIC FUEL MADE A DELIVERY TO THE PIPING AT AN IMPROPERLY ABANDONED TANK, 200 GALLONS WAS SPILLED INTO THE BASEMENT, ATOMIC TRIED TO DO A CLEANUP AND NEVER REPORTED THE SPILL, ALLIED TO VAC OUT AND APPLY SPEEDI DRI
Remark: CALLER WAS CALLER FROM A SPILL THAT HAPPENED ON TUESDAY

HIST LTANKS:

Spill Number: 9813829 Region of Spill: 1
Spill Date: 02/09/1999 12:00 Reported to Dept: 02/13/99 13:35
Water Affected: Not reported Spill Source: Private Dwelling
Resource Affectd: On Land
Spill Cause: Tank Failure
Facility Contact: MR HACKETT Facility Tele: (516) 842-2080
Investigator: FORD SWIS: 47
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: MR HACKETT Spiller Phone: (516) 842-2080
Spiller: HACKETT RESIDENCE
Spiller Address: 55 CEDAR ROAD
AMITYVILLE, NY

Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Spill Closed Dt: 05/04/99
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/24/99
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/13/99
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: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: 200
Units: Gallons
Unknown Qty Spilled: 200
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

HACKETT RESIDENCE (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103824122

Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: TELECON WITH JOHN MARRON: ATOMIC FUEL MADE A DELIVERY TO THE PIPING AT A N IMPROPERLY ABANDONED TANK, 200 GALLONS WAS SPILLED INTO THE BASEMENT, , ATOMIC TRIED TO DO A CLEANUP AND NEVER REPORTED THE SPILL, ALLIED TO V AC OUT AND APPLY SPEEDI DRI
Spill Cause: CALLER WAS CALLER FROM A SPILL THAT HAPPENED ON TUESDAY

33
NW
1/4-1/2
1838 ft.

63 CEDAR ROAD
AMITYVILLE, NY

LTANKS S104619387
HIST LTANKS N/A

Relative:
Higher

Actual:
50 ft.

LTANKS:

Spill Number: 9700006
Facility ID: 9700006
Site ID: 249482
Spill Date: 04/01/97
Referred To: Not reported
Water Affected: Not reported
Spill Cause: TANK OVERFILL
Facility Address 2: Not reported
Investigator: UNASSIGNED
Caller Name: JOE SANTORO
Caller Phone: (516) 576-0254
Notifier Name: JOE SANTORO
Notifier Phone: (516) 576-0254
Spiller Contact: MARY BROOKS
Spiller: JOE SANTORO
Spiller Company: GIFFORDS OIL
Spiller Address: 171 EAST AMES COURT
PLAINVIEW, NY
Spiller County: 001
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 1
DER Facility ID: 204505
CID: 02
Reported to Dept: 04/01/97
DEC Region: 1
Spill Source: COMMERCIAL VEHICLE
Facility Tele: (516) 576-0254
SWIS: 5200
Caller Agency: GIFFORDS OIL
Caller Extension: Not reported
Notifier Agency: GIFFORDS OIL
Notifier Extension: Not reported
Spiller Phone: (516) 842-0768

Spill Closed Dt: 03/22/99

Spill Notifier: RESPONSIBLE PARTY
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Record Last Update: 03/23/99
Date Spill Entered In Computer Data File: 04/01/97
Remediation Phase: 0
Program Number: 9700006
Regional Use: Not reported
Material
Material ID : 336626
Site ID : 249482
Operable Unit : 01
Operable Unit ID : 1042609
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : 1.00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

(Continued)

S104619387

Units : G
Recovered : No
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
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 : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported

DEC Remarks : Not reported

Remark: TANK OVERFILL.

HIST LTANKS:

Spill Number: 9700006
Spill Date: 04/01/1997 10:20
Water Affected: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Facility Contact: JOE SANTORO
Investigator: UNASSIGNED
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Spiller Contact: MARY BROOKS
Spiller: GIFFORDS OIL
Spiller Address: 171 EAST AMES COURT
PLAINVIEW, NY
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/22/99
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/23/99

Region of Spill: 1
Reported to Dept: 04/01/97 10:20
Spill Source: Commercial Vehicle
Facility Tele: (516) 576-0254
SWIS: 47
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (516) 842-0768
PBS Number: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

(Continued)

S104619387

Is Updated: False
 Corrective Action Plan Submitted: / /
 Date Spill Entered In Computer Data File: 04/01/97
 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: Not reported
 Leak Rate Failed Tank: Not reported
 Gross Leak Rate: Not reported
 Material:
 Material Class Type: 1
 Quantity Spilled: 1
 Units: Gallons
 Unknown Qty Spilled: Yes
 Quantity Recovered: 0
 Unknown Qty Recovered: False
 Material: #2 FUEL OIL
 Class Type: Petroleum
 Chem Abstract Service Number: #2 FUEL OIL
 Last Date: 12/07/1994
 Num Times Material Entry In File: 24464
 DEC Remarks: 1 GAL CAME OUT OF THE VENT, TANK WAS FULL, MILRO WILL CLEANUP
 Spill Cause: TANK OVERFILL.

34
 West
 1/4-1/2
 2120 ft.

70 SCHLEIGEL BLVD
 AMITYVILLE, NY

LTANKS S106702481
 N/A

Relative:
 Lower

LTANKS:

Actual:
 42 ft.

Spill Number:	0404901	Region of Spill:	1
Facility ID:	0404901	DER Facility ID:	150387
Site ID:	179160	CID:	02
Spill Date:	08/04/04	Reported to Dept:	08/04/04
Referred To:	Not reported	DEC Region:	1
Water Affected:	Not reported	Spill Source:	UNKNOWN
Spill Cause:	TANK OVERFILL		
Facility Address 2:	Not reported	Facility Tele:	(631) 842-6840
Investigator:	BXDONOVA	SWIS:	5200
Caller Name:	JOSEPH DULTZ	Caller Agency:	LSR
Caller Phone:	(908) 685-7862	Caller Extension:	Not reported
Notifier Name:	JOSEPH DULTZ	Notifier Agency:	LSR
Notifier Phone:	(908) 685-7862	Notifier Extension:	Not reported
Spiller Contact:	DON BARRY	Spiller Phone:	(631) 842-6840
Spiller:	DON BARRY		
Spiller Company:	Not reported		
Spiller Address:	70 SCHLEIGEL BLVD AMITYVILLE, NY		
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:	/ /		
Spill Notifier:	OTHER		
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	False		
Recommended Penalty:	Penalty Not Recommended		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

(Continued)

S106702481

UST Trust: False
 Spill Record Last Update: 08/06/04
 Date Spill Entered In Computer Data File: 08/04/04
 Remediation Phase: Not reported
 Program Number: 0404901
 Regional Use: Not reported
 Material
 Material ID : 488875
 Site ID : 179160
 Operable Unit : 01
 Operable Unit ID : 887833
 Material Code : 0008
 Material Name : Diesel
 Case No. : Not reported
 Material FA : Petroleum
 Quantity : 0.00
 Units : G
 Recovered : No
 Resource Affected - Soil : Yes
 Resource Affected - Air : No
 Resource Affected - Indoor Air : No
 Resource Affected - Groundwater : No
 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 : Not reported
 Site ID : Not reported
 Tank Number : Not reported
 Tank Size : Not reported
 Test Method : Not reported
 Leak Rate : Not reported
 Gross Fail : Not reported
 Modified By : Not reported
 Last Modified : Not reported
 Test Method : Not reported

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "BRIAN D" REMOVED 10,000 DIESEL (2) CONTAMINATION WAS FOUND ONLY AROUND THE VENT PIPE, POSSIBLE OVERFILL, SAMPLES WERE TAKEN AND WILL BE FORWARDED TO THE OFFICE

Remark: contamination from ust overflow. suffolk county health was on scene.

35
 NW
 1/4-1/2
 2168 ft.

FAMILIUSI RESIDENCE
70 BIRCH ROAD
AMITYVILLE, NY

LTANKS S100491884
HIST LTANKS N/A

Relative:
 Higher

LTANKS:

Actual:
 49 ft.

Spill Number:	9208414	Region of Spill:	1
Facility ID:	9208414	DER Facility ID:	219673
Site ID:	269732	CID:	02
Spill Date:	10/21/92	Reported to Dept:	10/21/92
Referred To:	Not reported	DEC Region:	1
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

FAMILLOUSI RESIDENCE (Continued)

S100491884

Spill Cause: TANK FAILURE
Facility Address 2: Not reported
Investigator: CAMPBELL
Caller Name: MICHAEL RILEY
Caller Phone: (516) 671-7203
Notifier Name: Not reported
Notifier Phone: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Company: FAMILLOUSI RESIDENCE
Spiller Address: 70 BIRCH ROAD
AMITYVILLE, NY
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: 05/05/97
Spill Notifier: OTHER
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
UST Trust: False
Spill Record Last Update: 05/06/97
Date Spill Entered In Computer Data File: 10/22/92
Remediation Phase: 0
Program Number: 9208414
Regional Use: Not reported
Material
Material ID : 405514
Site ID : 269732
Operable Unit : 01
Operable Unit ID : 971978
Material Code : 0001
Material Name : #2 Fuel Oil
Case No. : Not reported
Material FA : Petroleum
Quantity : 40.00
Units : G
Recovered : No
Resource Affected - Soil : Yes
Resource Affected - Air : No
Resource Affected - Indoor Air : No
Resource Affected - Groundwater : No
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 : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FAMILOUSI RESIDENCE (Continued)

S100491884

Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported
DEC Remarks : Not reported
Remark: LINE LEAK, LINE RUNS ABOVE CONCRETE FLOOR IN CONCRETE SLAB, CALLER HAS BEEN RETAINED TO CLEANUP SPILL

HIST LTANKS:

Spill Number: 9208414 Region of Spill: 1
Spill Date: 10/03/1992 06:00 Reported to Dept: 10/21/92 14:33
Water Affected: Not reported Spill Source: Private Dwelling
Resource Affectd: On Land
Spill Cause: Tank Failure
Facility Contact: Not reported Facility Tele: (516) 332-3199
Investigator: CAMPBELL SWIS: 47
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: FAMILOUSI RESIDENCE
Spiller Address: 70 BIRCH ROAD
AMITYVILLE, NY

Spill Class: Known release that creates potential for fire or hazard. DEC Response.
Willing Responsible Party. Corrective action taken.

Spill Closed Dt: 05/05/97
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/06/97
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/22/92
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: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: 40
Units: Gallons
Unknown Qty Spilled: 40
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FAMILOUSI RESIDENCE (Continued)

S100491884

Chem Abstract Service Number: #2 FUEL OIL
 Last Date: 12/07/1994
 Num Times Material Entry In File: 24464
 DEC Remarks: CAMPBELL INVESTIGATED ON 10/22 AND 11/13/92, DETERMINED THAT A MAJORITYU
 OF THE OIL SPILLED ON THE CONCRETE FLOOR. RESIDUAL PETROLEUM REMAINED IN
 SUBSURFACE AT 2 TO 3 FT BENEATH THE BASEMENT TANK. SOIL WAS EXCAVATED TO
 3 FT
 Spill Cause: LINE LEAK, LINE RUNS ABOVE CONCRETE FLOOR IN CONCRETE SLAB, CALLER HAS B
 EEN RETAINED TO CLEANUP SPILL

**36
 NW
 1/4-1/2
 2460 ft.**

**VONER RESIDENCE
 68 POPLAR ROAD
 AMITYVILLE, NY**

**LTANKS S106737955
 N/A**

**Relative:
 Higher**

**Actual:
 50 ft.**

LTANKS:

Spill Number: 0411683	Region of Spill: 1
Facility ID: 0411683	DER Facility ID: 272314
Site ID: 336978	CID: 02
Spill Date: 02/01/05	Reported to Dept: 02/01/05
Referred To: Not reported	DEC Region: 1
Water Affected: Not reported	Spill Source: PRIVATE DWELLING
Spill Cause: TANK TEST FAILURE	
Facility Address 2: Not reported	Facility Tele: (631) 789-8965
Investigator: HMCIRRIT	SWIS: 5220
Caller Name: TJ OCONNOR	Caller Agency: DRY AS A BONE
Caller Phone: (516) 678-5115	Caller Extension: Not reported
Notifier Name: TJ OCONNOR	Notifier Agency: DRY AS A BONE
Notifier Phone: (516) 678-5115	Notifier Extension: Not reported
Spiller Contact: PRICSILLA VONER	Spiller Phone: (631) 789-8965
Spiller: PRICSILLA VONER	
Spiller Company: VONER RESIDENCE	
Spiller Address: 68 POPLAR ROAD AMITYVILLE, NY	
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: / /	
Spill Notifier: TANK TESTER	
Cleanup Ceased: / /	
Last Inspection: / /	
Cleanup Meets Standard: False	
Recommended Penalty: Penalty Not Recommended	
UST Trust: False	
Spill Record Last Update: 02/03/05	
Date Spill Entered In Computer Data File: 02/02/05	
Remediation Phase: Not reported	
Program Number: 0411683	
Regional Use: T/T/F	
Material	
Material ID : 579277	
Site ID : 336978	
Operable Unit : 01	
Operable Unit ID : 1098971	
Material Code : 0001	
Material Name : #2 Fuel Oil	
Case No. : Not reported	
Material FA : Petroleum	
Quantity : 0.00	

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

VONER RESIDENCE (Continued)

S106737955

Units : G
 Recovered : No
 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 : 307771
 Site ID : 336978
 Tank Number : 001
 Tank Size : 275
 Test Method : 03
 Leak Rate : 0.00
 Gross Fail : 0
 Modified By : Watchdog
 Last Modified : 02/02/05
 Test Method : Horner EZ Check I or II
 DEC Remarks : Not reported
 Remark: RECOMEND: EXCAVATION:

**37
 NNE
 1/4-1/2
 2532 ft.**

**PARKING LOT
 40 SEABRO AVENUE
 AMITYVILLE, NY**

**LTANKS S106869282
 N/A**

**Relative:
 Higher**

**Actual:
 55 ft.**

LTANKS:

Spill Number: 0501108	Region of Spill: 1
Facility ID: 0501108	DER Facility ID: 290911
Site ID: 344250	CID: 02
Spill Date: 04/27/05	Reported to Dept: 04/27/05
Referred To: Not reported	DEC Region: 1
Water Affected: Not reported	Spill Source: INSTITUTIONAL, EDUCATIONAL, GOV., OTHER
Spill Cause: TANK FAILURE	
Facility Address 2: Not reported	Facility Tele: (516) 369-4512 Ext. CELL
Investigator: WJGABIN	SWIS: 5220
Caller Name: JOE ARCURI	Caller Agency: BABYLON FIRE MARSHALLS
Caller Phone: (516) 369-4512	Caller Extension: Not reported
Notifier Name: JOE ARCURI	Notifier Agency: BABYLON FIRE MARSHALLS
Notifier Phone: (516) 369-4512	Notifier Extension: Not reported
Spiller Contact: FIREMARSHALL	Spiller Phone: (516) 369-4512 Ext. CELL
Spiller: FIREMARSHALL	
Spiller Company: PARKING LOT	
Spiller Address: 40 SEABRO AVE AMITYVILLE, NY	
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: / /	
Spill Notifier: FIRE DEPARTMENT	
Cleanup Ceased: / /	
Last Inspection: / /	

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PARKING LOT (Continued)

S106869282

Cleanup Meets Standard: False
 Recommended Penalty: Penalty Not Recommended
 UST Trust: False
 Spill Record Last Update: 04/28/05
 Date Spill Entered In Computer Data File: 04/27/05
 Remediation Phase: 1
 Program Number: 0501108
 Regional Use: Not reported
 Material
 Material ID : 583121
 Site ID : 344250
 Operable Unit : 01
 Operable Unit ID : 1102901
 Material Code : 0001
 Material Name : #2 Fuel Oil
 Case No. : Not reported
 Material FA : Petroleum
 Quantity : 25.00
 Units : G
 Recovered : No
 Resource Affected - Soil : Yes
 Resource Affected - Air : No
 Resource Affected - Indoor Air : No
 Resource Affected - Groundwater : No
 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 : Not reported
 Site ID : Not reported
 Tank Number : Not reported
 Tank Size : Not reported
 Test Method : Not reported
 Leak Rate : Not reported
 Gross Fail : Not reported
 Modified By : Not reported
 Last Modified : Not reported
 Test Method : Not reported

DEC Remarks : SPOKE WITH JOE ARCURI, VACANT BLDG, FM APPLIED SPEEDI DRI AND SECURED CAP ON TANK, UNABLE TO LOCATE AN OWNER, BUT THEY HAVE AN ADDRESS, ARCURI PLANS TO RETURN TOMORROW PHOENIX EQUIP REPAIR 53 WADSWORTH AVE PLAINEDGE 11756

Remark: A TOP OF A TANK WAS LEFT PARTIALLY OPEN AND THE RAIN PUSHED SOME OIL OVER THE TOP: IN PROCESS OF CLEANING UP;

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

38
WNW
1/4-1/2
2575 ft.

ONTIME FUEL INC
89 BIRCH ROAD
AMITYVILLE, NY

LTANKS **S102668078**
HIST LTANKS **N/A**

Relative:
Higher

Actual:
48 ft.

LTANKS:

Spill Number:	8602890	Region of Spill:	1
Facility ID:	8602890	DER Facility ID:	119488
Site ID:	139892	CID:	02
Spill Date:	08/01/86	Reported to Dept:	08/01/86
Referred To:	Not reported	DEC Region:	1
Water Affected:	Not reported	Spill Source:	TANK TRUCK
Spill Cause:	TANK OVERFILL	Facility Tele:	Not reported
Facility Address 2:	Not reported	SWIS:	5220
Investigator:	PAREJA	Caller Agency:	Not reported
Caller Name:	Not reported	Caller Extension:	Not reported
Caller Phone:	Not reported	Notifier Agency:	Not reported
Notifier Name:	Not reported	Notifier Extension:	Not reported
Notifier Phone:	Not reported	Spiller Phone:	Not reported
Spiller Contact:	Not reported		
Spiller:	Not reported		
Spiller Company:	ONTIME FUEL INC		
Spiller Address:	1971 DEER PARK AVENUE DEER PARK, NY		
Spiller County:	001		
Spill Class:	Not reported		
Spill Closed Dt:	09/30/86		
Spill Notifier:	OTHER		
Cleanup Ceased:	09/30/86		
Last Inspection:	/ /		
Cleanup Meets Standard:	True		
Recommended Penalty:	Penalty Not Recommended		
UST Trust:	False		
Spill Record Last Update:	10/13/05		
Date Spill Entered In Computer Data File:	08/04/86		
Remediation Phase:	0		
Program Number:	8602890		
Regional Use:	FILE DESTROYED		
Material			
Material ID :	475746		
Site ID :	139892		
Operable Unit :	01		
Operable Unit ID :	900153		
Material Code :	0001		
Material Name :	#2 Fuel Oil		
Case No. :	Not reported		
Material FA :	Petroleum		
Quantity :	100.00		
Units :	G		
Recovered :	No		
Resource Affected - Soil :	Yes		
Resource Affected - Air :	No		
Resource Affected - Indoor Air :	No		
Resource Affected - Groundwater :	No		
Resource Affected - Surface Water :	No		
Resource Affected - Drinking Wtr :	No		
Resource Affected - Sewer :	No		
Resource Affected - Impervious Surface :	No		
Resource Affected - Subway :	No		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

ONTIME FUEL INC (Continued)

S102668078

Resource Affected - Utility : No
Resource Affected - Impervious Surface : No
Oxygenate : False
Tank Test
Spill Tank Test : Not reported
Site ID : Not reported
Tank Number : Not reported
Tank Size : Not reported
Test Method : Not reported
Leak Rate : Not reported
Gross Fail : Not reported
Modified By : Not reported
Last Modified : Not reported
Test Method : Not reported
DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was
"PAREJA FD" / / : DEC INVEST. BOA CONSTRUCTION CLEANING
UP.9/30/86 SITE CLEAN DEC GAVE PERMISSION TO BACKFILL. FILE HAS
BEEN DESTROYED ACCORDING TO STATE ARCIVE AN
D RECORD ADMINISTRATOR RETENTION/DISPOSAL PROCEDURES
Remark: ALSO IN BASEMENT.

HIST LTANKS:

Spill Number: 8602890 Region of Spill: 1
Spill Date: 07/30/1986 12:00 Reported to Dept: 08/01/86 09:15
Water Affected: Not reported Spill Source: Tank Truck
Resource Affectd: On Land
Spill Cause: Tank Overfill
Facility Contact: Not reported Facility Tele: Not reported
Investigator: PAREJA FD SWIS: 47
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: ONTIME FUEL INC
Spiller Address: 1971 DEER PARK AVENUE
DEER PARK, NY
Spill Class: Not reported
Spill Closed Dt: 09/30/86
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: 09/30/86
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 06/22/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/04/86
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: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ONTIME FUEL INC (Continued)

S102668078

Leak Rate Failed Tank: Not reported
 Gross Leak Rate: Not reported
 Material:
 Material Class Type: 1
 Quantity Spilled: 100
 Units: Gallons
 Unknown Qty Spilled: 100
 Quantity Recovered: 0
 Unknown Qty Recovered: False
 Material: #2 FUEL OIL
 Class Type: Petroleum
 Chem Abstract Service Number: #2 FUEL OIL
 Last Date: 12/07/1994
 Num Times Material Entry In File: 24464
 DEC Remarks: / / : DEC INVEST. BOA CONSTRUCTION CLEANING UP. / / : DEC INVEST. BOA
 A CONSTRUCTION CLEANING UP.9/30/86 SITE CLEAN DEC GAVE PERMISSION TO BAC
 KFULL.
 Spill Cause: ALSO IN BASEMENT.

39 SAFETY KLEEN CORP.
NNE 80 SEABRO AVE.
1/2-1 NORTH AMITYVILLE, NY 11701
2835 ft.

**Relative:
 Higher**

**Actual:
 51 ft.**

FINDS 1000224133
RCRA-LQG NYD000708198
RCRA-TSDF
UST
CORRACTS
AST
CERC-NFRAP
NY Spills
NY MANIFEST
NY Hist Spills
CT MANIFEST
NJ MANIFEST
WI MANIFEST

CERCLIS-NFRAP Classification Data:

Federal Facility: Not a Federal Facility
 Non NPL Code: DR
 NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY	Completed: 02/28/1989
Assessment: PRELIMINARY ASSESSMENT	Completed: 03/31/1989
Assessment: ARCHIVE SITE	Completed: 01/23/1996

CERCLIS-NFRAP Alias Name(s):
 SAFETY KLEEN CORP. 2-118

CORRACTS Data:

EPA Id: NYD000708198
 Region: 02
 Area Name: SITEWIDE
 Actual Date: 01/11/2005
 Corrective Action: CA650 - Stabilization Construction Completed
 2002 NAICS Title: Hazardous Waste Collection

EPA Id: NYD000708198
 Region: 02
 Area Name: SITEWIDE
 Actual Date: 02/18/1992
 Corrective Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
 2002 NAICS Title: Hazardous Waste Collection

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000224133

EPA Id: NYD000708198
Region: 02
Area Name: SITEWIDE
Actual Date: 02/18/1992
Corrective Action: CA100 - RFI Imposition
2002 NAICS Title: Hazardous Waste Collection

EPA Id: NYD000708198
Region: 02
Area Name: SITEWIDE
Actual Date: 03/29/1996
Corrective Action: CA200 - RFI Approved
2002 NAICS Title: Hazardous Waste Collection

EPA Id: NYD000708198
Region: 02
Area Name: SITEWIDE
Actual Date: 05/25/1989
Corrective Action: CA050 - RFA Completed
2002 NAICS Title: Hazardous Waste Collection

[Click this hyperlink](#) while viewing on your computer to access
11 additional CORRACTS record(s) in the EDR Site Report.

RCRAInfo Corrective Action Summary:

Event: Stabilization Construction Completed
Event Date: 01/11/2005

Event: CMS Approved
Event Date: 08/02/2004

Event: RFI Approved
Event Date: 08/14/2003

Event: RFI Approved
Event Date: 03/29/1996

Event: Stabilization Measures Implemented, Primary measure is source removal and/or
treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site
treatment).
Event Date: 12/26/1995

Event: Stabilization Construction Completed
Event Date: 12/26/1995

Event: Stabilization Measures Evaluation, This facility is not amenable to
stabilization activity because of a lack of technical data. An evaluation
has been completed, but further data is necessary to determine stabilization
measures, feasibility or appropriateness. This status should be changed when
data becomes available.
Event Date: 09/30/1994

Event: CA Prioritization, Facility or area was assigned a medium corrective action
priority.
Event Date: 11/01/1993

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000224133

Event: RFI Workplan Approved
 Event Date: 09/30/1993

Event: RFI Imposition
 Event Date: 09/17/1993

Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity because of a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available.
 Event Date: 08/17/1993

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
 Event Date: 10/30/1992

Event: RFA Completed
 Event Date: 10/07/1992

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
 Event Date: 02/18/1992

Event: RFI Imposition
 Event Date: 02/18/1992

Event: RFA Completed
 Event Date: 05/25/1989

RCRAInfo:

Owner: SAFETY KLEEN CORP
 (847) 697-8460
 EPA ID: NYD000708198
 Contact: MARYANNE DEPEW
 (914) 353-1003

Classification: Large Quantity Generator, TSD
 TSD Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	3635687.00	D006	26800.00
D007	26800.00	D008	26800.00
D011	26800.00	D018	3557867.00
D022	26800.00	D027	26800.00
D028	26800.00	D035	26800.00
D036	26800.00	D038	782095.00
D039	3635687.00	D040	2775772.00
F001	26800.00	F002	26800.00
F003	26800.00	F005	26800.00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Violation Status: Violations exist

Regulation Violated: 373-2.8
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 03/24/2005
Actual Date Achieved Compliance: 08/31/2005

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/24/2005
Penalty Type: Not reported

Regulation Violated: Attachment 5
Area of Violation: TSD-PREPAREDNESS/PREVENTION REQUIREMENTS
Date Violation Determined: 11/24/2003
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2004
Penalty Type: Not reported

Regulation Violated: Attachment VI
Area of Violation: TSD-CONTINGENCY PLAN REQUIREMENTS
Date Violation Determined: 11/24/2003
Actual Date Achieved Compliance: 12/01/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2004
Penalty Type: Not reported

Regulation Violated: W.A.P. 4.1.1.1
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/24/2003
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2004
Penalty Type: Not reported

Regulation Violated: SC#5, ECL 03-0119
Area of Violation: TSD-OTHER REQUIREMENTS
Date Violation Determined: 11/24/2003
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2004
Penalty Type: Not reported

Regulation Violated: 373-2.10(e)(4), SC D4
Area of Violation: TSD-TANKS REQUIREMENTS
Date Violation Determined: 11/24/2003
Actual Date Achieved Compliance: Not reported

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/01/2004
Penalty Type: Not reported

Regulation Violated: Module II Condition C
Area of Violation: TSD-OTHER REQUIREMENTS
Date Violation Determined: 09/17/2002
Actual Date Achieved Compliance: Not reported

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/18/2003
Penalty Type: Final Monetary Penalty

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Regulation Violated: Module II Condition I(4)
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/21/2002
Actual Date Achieved Compliance: 12/01/2003

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/18/2003
Penalty Type: Final Monetary Penalty

Regulation Violated: Module VI Condition C(1)
Area of Violation: TSD-TANKS REQUIREMENTS
Date Violation Determined: 03/21/2002
Actual Date Achieved Compliance: 12/01/2003

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/18/2003
Penalty Type: Final Monetary Penalty

Regulation Violated: Module II Condition A
Area of Violation: TSD-PREPAREDNESS/PREVENTION REQUIREMENTS
Date Violation Determined: 03/21/2002
Actual Date Achieved Compliance: 12/01/2003

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/18/2003
Penalty Type: Final Monetary Penalty

Regulation Violated: Module II Condition I
Area of Violation: TSD-CONTAINERS REQUIREMENTS
Date Violation Determined: 03/21/2002
Actual Date Achieved Compliance: 12/01/2003

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/18/2003
Penalty Type: Final Monetary Penalty

Regulation Violated: 372.2(b)(3)
Area of Violation: TSD-MANIFEST REQUIREMENTS
Date Violation Determined: 11/05/2001
Actual Date Achieved Compliance: 11/05/2001

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/05/2001
Penalty Type: Not reported

Regulation Violated: 373-2.8
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 08/03/2000
Actual Date Achieved Compliance: 06/18/2003

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/18/2003
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/29/1999
Actual Date Achieved Compliance: 12/01/2003

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/16/2000
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Enforcement Action Date:	06/18/2003
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	TSD-MANIFEST REQUIREMENTS
Date Violation Determined:	05/28/1998
Actual Date Achieved Compliance:	03/09/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/28/1998
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	05/28/1998
Actual Date Achieved Compliance:	03/09/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/28/1998
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	04/02/1997
Actual Date Achieved Compliance:	05/15/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/02/1997
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/02/1997
Actual Date Achieved Compliance:	05/15/1997
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/02/1997
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	04/23/1996
Actual Date Achieved Compliance:	05/28/1996
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/23/1996
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	07/14/1993
Actual Date Achieved Compliance:	08/19/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/14/1993
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	07/31/1991
Actual Date Achieved Compliance:	08/19/1993
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/31/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	06/04/1991
Actual Date Achieved Compliance:	08/19/1993
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	05/09/1990
Actual Date Achieved Compliance:	11/07/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/04/1990
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	05/16/1989
Actual Date Achieved Compliance:	05/18/1989
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/16/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	01/25/1988
Actual Date Achieved Compliance:	01/27/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/25/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	01/04/1988
Actual Date Achieved Compliance:	01/06/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/04/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	12/25/1987
Actual Date Achieved Compliance:	12/27/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/25/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	12/16/1987
Actual Date Achieved Compliance:	12/18/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/16/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	10/15/1987

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000224133

Actual Date Achieved Compliance:	10/17/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/15/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	08/10/1987
Actual Date Achieved Compliance:	05/08/1988
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	08/10/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	06/03/1987
Actual Date Achieved Compliance:	06/05/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/03/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	04/24/1987
Actual Date Achieved Compliance:	04/26/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/24/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	04/13/1987
Actual Date Achieved Compliance:	04/15/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	04/13/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	03/30/1987
Actual Date Achieved Compliance:	04/01/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/30/1987
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/05/1986
Actual Date Achieved Compliance:	04/15/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/02/1987
Penalty Type:	Not reported

Penalty Summary:			
Penalty Description	Penalty Date	Penalty Amount	Lead Agency
-----	-----	-----	-----
Final Monetary Penalty	6/18/2003	75000	STATE

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

1000224133

Proposed Monetary Penalty 2/16/2000 19000 STATE

There are 35 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	20050831
Compliance Evaluation Inspection	TSD-PREPAREDNESS/PREVENTION REQUIREMENTS	
	TSD-CONTINGENCY PLAN REQUIREMENTS	20031201
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	
	TSD-TANKS REQUIREMENTS	
	TSD-OTHER REQUIREMENTS	
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	20031201
	TSD-TANKS REQUIREMENTS	20031201
	TSD-PREPAREDNESS/PREVENTION REQUIREMENTS	20031201
	TSD-CONTAINERS REQUIREMENTS	20031201
Compliance Evaluation Inspection	TSD-MANIFEST REQUIREMENTS	20011105
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	20030618
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	20031201
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	20031201
Compliance Evaluation Inspection	TSD-MANIFEST REQUIREMENTS	19990309
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19990309
Compliance Evaluation Inspection	TSD-LAND BAN REQUIREMENTS	19970515
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19970515
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19960528
Compliance Evaluation Inspection	TSD-LAND BAN REQUIREMENTS	19930819
Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19930819
Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19930819
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19901107
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19890518
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19880127
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19880106
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19871227
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19871218
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19871017
Non-Financial Record Review	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19880508
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19870605
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19870426
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19870415
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19870401
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19870415

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SPILLS:

DER Facility ID :	137310	CID :	02
Site ID :	162783	Region of Spill:	1
Spill Number:	9910042	SWIS:	5200
Investigator:	UNASSIGNED	Caller Agency:	SAFETY KLEEN
Caller Name:	MARWAN FANEK	Caller Extension:	Not reported
Caller Phone:	(516) 842-6311	Notifier Agency:	SAFETY KLEEN
Notifier Name:	MARK JOHNSON		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Notifier Phone: (516) 842-6311
 Spill Date: 11/18/99
 Facility Address 2: Not reported
 Facility Type: ER
 Referred To : Not reported
 Remediation Phase : 0
 Program Number : 9910042
 Spill Cause: OTHER
 Water Affected: Not reported
 Contact Name: CALLER
 Spill Notifier: RESPONSIBLE PARTY
 Spiller: CALLER
 Spiller Company : SAFETY KLEEN
 Spiller Address: 80 SEABRO AVENUE
 NORTH AMITYVILLE, NY -
 Spiller County : 001
 Spill Class: No spill occurred. No DEC Response. No corrective action required.
Spill Closed Dt: 11/18/99
 Cleanup Ceased: / /
 Last Inspection: / /
 Recommended Penalty: Penalty Not Recommended
 UST Trust: False
 Regional Use: Not reported
 Spill Record Last Update: 04/05/04
 Date Spill Entered In Computer Data File: 11/18/99
 Material
 Material ID : 299104
 Site ID : 162783
 Operable Unit : 01
 Operable Unit ID : 1084803
 Material Code : 0014A
 Material Name : MINERAL SPIRITS
 Case No. : Not reported
 Material FA : Other
 Quantity : 0.00
 Units : G
 Recovered : No
 Resource Affected - Soil : Yes
 Resource Affected - Air : No
 Resource Affected - Indoor Air : No
 Resource Affected - Groundwater : No
 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

 Material ID : 299105
 Site ID : 162783
 Operable Unit : 01
 Operable Unit ID : 1084803
 Material Code : 0039A
 Material Name : SULFURIC ACID
 Case No. : 07664939

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Material FA : Hazardous Material
 Quantity : 0.00
 Units : G
 Recovered : No
 Resource Affected - Soil : Yes
 Resource Affected - Air : No
 Resource Affected - Indoor Air : No
 Resource Affected - Groundwater : No
 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

DEC Remarks : Prior to Sept, 2004 data translation this spill Lead DEC Field was "NONE" CONFIRMED DATE WAS 11/16, SULFURIC ACID INADVERTENTLY ADDED TO 16 GAL DRUM, CONTAINING MINERAL SPIRITS, CAUSING SLIGHT EXOTHERMIC REACTION, CONTAINER WAS NOT COMPROMISED, NO SPILL OR RELEASE. NEUTRALIZED THE CONTENTS AND OVERPACKED THE CONTAINER

Remark: CALLER REPORTING A REACTION OF MATERIALS INSIDE A CONTAINER WITH NO SPILL RELEASE CALLER WOULD LIKE THIS REPORTED TO THE STATE NO CLEAN UP TO BE DONE NO CALLBACK NECESSARY
 This is the most recent NY SPILLS record for this site.

[Click this hyperlink](#) while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

HIST SPILLS:

Spill Number:	9910042	Region of Spill:	1
Investigator:	NONE	SWIS:	47
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
Spill Date:	11/16/1999 10:00	Reported to Dept:	11/18/99 12:06
Spill Cause:	Other	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	CALLER	Facility Tele:	() -
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Spiller Contact:	CALLER	Spiller Phone:	Not reported
Spiller:	SAFETY KLEEN		
Spiller Address:	80 SEABROW AVENUE NORTH AMITYVILLE, NY -		

DEC Remarks : CONFIRMED DATE WAS 11/16, SULFURIC ACID INADVERTENTLY ADDED TO 16 GAL DRUM, CONTAINING MINERAL SPIRITS, CAUSING SLIGHT EXOTHERMIC REACTION, CONTAINER WAS NOT COMPROMISED, NO SPILL OR RELEASE. NEUTRALIZED THE CONTENTS AND OVERPACKED THE CONTAINER

Remark: CALLER REPORTING A REACTION OF MATERIALS INSIDE A CONTAINER WITH NO SPILL RELEASE CALLER WOULD LIKE THIS REPORTED TO THE STATE NO CLEAN UP TO BE DONE NO CALLBACK NECESSARY

Spill Class: No spill occurred. No DEC Response. No corrective action required.

Material:
 Material Class Type: 1
 Quantity Spilled: 0
 Units: Gallons
 Unknown Qty Spilled: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Quantity Recovered: 0
Unknown Qty Recovered: False
Material: MINERAL SPIRITS
Class Type: Petroleum
Chem Abstract Service Number: MINERAL SPIRITS
Last Date: Not reported
Num Times Material Entry In File: 369
Material Class Type: 2
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: SULFURIC ACID
Class Type: Hazardous
Chem Abstract Service Number: SULFURIC ACID
Last Date: Not reported
Num Times Material Entry In File: 0
Spill Closed Dt: 11/18/99
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / / Enforcement Date: / /
Invstgn Complete: / / UST Involvement: False
Spill Record Last Update: 11/19/99
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/18/99
Date Region Sent Summary to Central Office: / /

This is the most recent NY HISTORIC SPILLS record for this site.

[Click this hyperlink](#) while viewing on your computer to access additional NY HIST SPILLS detail in the EDR Site Report.

NY MANIFEST:

Document ID: NYC5784671
Manifest Status: Not reported
Trans1 State ID: NJD054126164
Trans2 State ID: Not reported
Generator Ship Date: 07/07/2000
Trans1 Recv Date: 07/07/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/10/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD000708198
Trans1 EPA ID: OHD980587364
Trans2 EPA ID: Not reported
TSD ID: ME0454814
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 18330
Units: P - Pounds
Number of Containers: 094
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 01340

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000224133

Units:	P - Pounds
Number of Containers:	022
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F001 - UNKNOWN
Quantity:	00808
Units:	P - Pounds
Number of Containers:	008
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	00
Facility Type:	Both Generator and TSD
EPA ID:	NYD000708198
Facility Name:	SAFETY-KLEEN CORP
Facility Address:	80 SEABRO AVE
Facility City:	NORTH AMITYVILLE
Facility Zip 4:	1202
Country:	Not reported
County:	SUFFOLK
Mailing Name:	SAFETY-KLEEN CORP
Mailing Contact:	DENIS M PADOVANI
Mailing Address:	80 SEABRO AVE
Mailing City:	AMITYVILLE
Mailing State:	NY
Mailing Zip:	11701
Mailing Zip4:	1202
Mailing Country:	USA
Mailing Phone:	631-842-6311
Mailing Name:	SAFETY-KLEEN CORP 2-118-08
Mailing Contact:	SIMPSON JEFFREY ENVIR ENG
Mailing Address:	80 SEABRO AVE
Mailing City:	AMITYVILLE
Mailing State:	NY
Mailing Zip:	11701
Mailing Zip4:	1202
Mailing Country:	USA
Mailing Phone:	312-697-8460

[Click this hyperlink](#) while viewing on your computer to access
 6125 additional NY MANIFEST: record(s) in the EDR Site Report.

Suffolk County UST:

Facility ID:	12488		
Owner:	EASTERN WELDING INC		
	274 MILL RD		
	RIVERHEAD, NY 11901		
Tax Map No:	0600 119.00 001 013.000	Facility Ref #	05490
Tank Count:	6	Township :	RIVERHEAD
Location:	UNDER, OUT	Tank ID:	1
Capacity:	0000000275	Installed:	76
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Tank Status:	Removed Tank (Date Removed - 1990)		
Unique Tank Record:	34197		
Date Removed:	021390		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000224133

Content:	Gasoline		
Permit to Operate:	Not reported		
Facility ID:	12488		
Owner:	EASTERN WELDING INC 274 MILL RD RIVERHEAD, NY 11901		
Tax Map No:	0600 119.00 001 013.000	Facility Ref #	05490
Tank Count:	6	Township :	RIVERHEAD
Location:	UNDER, OUT	Tank ID:	2
Capacity:	000000275	Installed:	76
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	PUMPED
Tank Status:	Removed Tank (Date Removed - 1990)		
Unique Tank Record:	34198		
Date Removed:	021390		
Content:	Kerosene		
Permit to Operate:	Not reported		
Facility ID:	12488		
Owner:	EASTERN WELDING INC 274 MILL RD RIVERHEAD, NY 11901		
Tax Map No:	0600 119.00 001 013.000	Facility Ref #	05490
Tank Count:	6	Township :	RIVERHEAD
Location:	UNDER, OUT	Tank ID:	3
Capacity:	000000275	Installed:	76
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Tank Status:	Removed Tank (Date Removed - 1990)		
Unique Tank Record:	34199		
Date Removed:	021390		
Content:	Other Oil		
Permit to Operate:	Not reported		
Facility ID:	12488		
Owner:	EASTERN WELDING INC 274 MILL RD RIVERHEAD, NY 11901		
Tax Map No:	0600 119.00 001 013.000	Facility Ref #	05490
Tank Count:	6	Township :	RIVERHEAD
Location:	UNDER, OUT	Tank ID:	4
Capacity:	000000275	Installed:	76
Construction:	STEEL		
Dispenser:	SUCTION	Fill Type:	GRAVITY
Tank Status:	Removed Tank (Date Removed - 1990)		
Unique Tank Record:	34200		
Date Removed:	021390		
Content:	Other Oil		
Permit to Operate:	Not reported		
Suffolk County AST:			
Facility ID:	1248	Region:	Not reported
Permit to Operate:	042391		
Owner:	SAFETY KLEEN CORP ENVIRONMENTAL DEPT 1000 NORTH RANDALL RD ELGIN, IL 60123	Tank Key:	3624
Dispenser:	SUCTION		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000224133

Location: ABOVE, OUT Capacity: 000006000 Tax Map No: 0100 Tank Count: 10 Fill Type: PUMPED Content: Organic Solvent Construction: STEEL Official Use: Permitted Tank. Permit Runs Out - 1996	Tank ID: 1 Installed: 91 Township : BABYLON Facility Ref # 02491 Date Removed: Not reported
Facility ID: 1248 Permit to Operate: 042391 Owner: SAFETY KLEEN CORP ENVIRONMENTAL DEPT 1000 NORTH RANDALL RD ELGIN, IL 60123	Region: Not reported Tank Key: 3625
Dispenser: SUCTION Location: ABOVE, OUT Capacity: 000006000 Tax Map No: 0100 Tank Count: 10 Fill Type: PUMPED Content: Organic Solvent Construction: STEEL Official Use: Permitted Tank. Permit Runs Out - 1996	Tank ID: 2 Installed: 91 Township : BABYLON Facility Ref # 02491 Date Removed: Not reported
Facility ID: 1248 Permit to Operate: 042391 Owner: SAFETY KLEEN CORP ENVIRONMENTAL DEPT 1000 NORTH RANDALL RD ELGIN, IL 60123	Region: Not reported Tank Key: 3626
Dispenser: SUCTION Location: ABOVE, OUT Capacity: 000006000 Tax Map No: 0100 Tank Count: 10 Fill Type: PUMPED Content: Organic Solvent Construction: STEEL Official Use: Permitted Tank. Permit Runs Out - 1996	Tank ID: 3 Installed: 91 Township : BABYLON Facility Ref # 02491 Date Removed: Not reported
Facility ID: 1248 Permit to Operate: 042391 Owner: SAFETY KLEEN CORP ENVIRONMENTAL DEPT 1000 NORTH RANDALL RD ELGIN, IL 60123	Region: Not reported Tank Key: 3627
Dispenser: SUCTION Location: ABOVE, OUT Capacity: 000006000 Tax Map No: 0100 Tank Count: 10 Fill Type: PUMPED Content: Organic Solvent Construction: STEEL Official Use: Permitted Tank. Permit Runs Out - 1996	Tank ID: 4 Installed: 91 Township : BABYLON Facility Ref # 02491 Date Removed: Not reported
Facility ID: 1248 Permit to Operate: 092085 Owner: SAFETY KLEEN CORP ENVIRONMENTAL DEPT	Region: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000224133

	1000 NORTH RANDALL RD ELGIN, IL 60123	Tank Key:	3628
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	5
Capacity:	0000002250	Installed:	84
Tax Map No:	0100		
Tank Count:	10	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	02491
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Permitted Tank. Permit Runs Out - 1990		
Facility ID:	1248	Region:	Not reported
Permit to Operate:	042391		
Owner:	SAFETY KLEEN CORP ENVIRONMENTAL DEPT 1000 NORTH RANDALL RD ELGIN, IL 60123		
		Tank Key:	3630
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	7
Capacity:	0000004320	Installed:	91
Tax Map No:	0100		
Tank Count:	10	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	02491
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Permitted Tank. Permit Runs Out - 1996		
Facility ID:	1248	Region:	Not reported
Permit to Operate:	042391		
Owner:	SAFETY KLEEN CORP ENVIRONMENTAL DEPT 1000 NORTH RANDALL RD ELGIN, IL 60123		
		Tank Key:	3631
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	8
Capacity:	0000002800	Installed:	91
Tax Map No:	0100		
Tank Count:	10	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	02491
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Permitted Tank. Permit Runs Out - 1996		
Facility ID:	1248	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	SAFETY KLEEN CORP ENVIRONMENTAL DEPT 1000 NORTH RANDALL RD ELGIN, IL 60123		
		Tank Key:	3633
Dispenser:	Not reported		
Location:	ABOVE, IN	Tank ID:	10
Capacity:	0000005500	Installed:	Not reported
Tax Map No:	0100		
Tank Count:	10	Township :	BABYLON
Fill Type:	Not reported	Facility Ref #	02491
Content:	Drum Storage	Date Removed:	Not reported
Construction:	Not reported		
Official Use:	Plans have been approved and awaiting construction		

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number

EDR ID Number
EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

CT MANIFEST:

Year: 2004
Manifest ID: MAQ937496
TSDf EPA ID: MAD096287354
TSDf Name: SAFETY KLEEN SYSTEMS INC
TSDf Address: PO BOX 11393
TSDf City,St,Zip: COLUMBIA, SC 29211
TSDf Country: USA
TSDf Telephone: 2038759599
Transport Date: 07/14/04
Transporter EPA ID: TXR000050930
Transporter Name: SAFETY-KLEEN SYSTEMS, INC. C/O J.J. KELLER & ASSOC
Transporter Country: USA
Transporter Phone: (800)558-5011
Trans 2 Date: / /
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
Trans 2 Address: Not reported
Trans 2 City,St,Zip: CT
Trans 2 Country: USA
Trans 2 Phone: Not reported
Generator EPA ID: CT5000001883
Generator Phone: 2032995400
Generator Address: 320 MARTIN LUTHER KING DR
Generator City,State,Zip: NORWALK, CT 06854
Generator Country: USA
Special Handling: Not reported
Discrepancies: Not reported
Date Shipped: 07/14/04
Date Received: 07/15/04
Last modified date: 07/22/05
Last modified by: DMG
Comments: Not reported

[Click this hyperlink](#) while viewing on your computer to access
31 additional CT MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

Manifest Code: NJA4006055
EPA ID: NYD000708198
Date Shipped: 20040107
TSDf EPA ID: NJD002182897
TSDf Received Date: 040107
Transporter EPA ID: TXR000050930
Transporter Received Date: 040107
Waste Code: D001
Quantity Shipped: 6277.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006056
EPA ID: NYD000708198
Date Shipped: 20040105
TSDf EPA ID: NJD002182897
TSDf Received Date: 040106

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

Transporter EPA ID: TXR000050930
Transporter Received Date: 040105
Waste Code: D001
Quantity Shipped: 7964.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006057
EPA ID: NYD000708198
Date Shipped: 20040114
TSDf EPA ID: NJD002182897
TSDf Received Date: 040114
Transporter EPA ID: TXR000050930
Transporter Received Date: 040114
Waste Code: D001
Quantity Shipped: 7739.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006058
EPA ID: NYD000708198
Date Shipped: 20040112
TSDf EPA ID: NJD002182897
TSDf Received Date: 040112
Transporter EPA ID: TXR000050930
Transporter Received Date: 040112
Waste Code: D001
Quantity Shipped: 2628.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006060
EPA ID: NYD000708198
Date Shipped: 20040129
TSDf EPA ID: NJD002182897
TSDf Received Date: 040129
Transporter EPA ID: TXR000050930
Transporter Received Date: 040129
Waste Code: D001
Quantity Shipped: 6943.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006061
EPA ID: NYD000708198
Date Shipped: 20040126
TSDf EPA ID: NJD002182897
TSDf Received Date: 040126
Transporter EPA ID: TXR000050930
Transporter Received Date: 040126
Waste Code: D001
Quantity Shipped: 4797.00000
Unit of Measure: G

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000224133

Method Code: T04

Manifest Code: NJA4006062
EPA ID: NYD000708198
Date Shipped: 20040205
TSDf EPA ID: NJD002182897
TSDf Received Date: 040205
Transporter EPA ID: TXR000050930
Transporter Received Date: 040205
Waste Code: D001
Quantity Shipped: 6611.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006063
EPA ID: NYD000708198
Date Shipped: 20040202
TSDf EPA ID: NJD002182897
TSDf Received Date: 040202
Transporter EPA ID: TXR000050930
Transporter Received Date: 040202
Waste Code: D001
Quantity Shipped: 4927.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006068
EPA ID: NYD000708198
Date Shipped: 20040225
TSDf EPA ID: NJD002182897
TSDf Received Date: 040225
Transporter EPA ID: TXR000050930
Transporter Received Date: 040225
Waste Code: D001
Quantity Shipped: 6475.00000
Unit of Measure: G
Method Code: T04

Manifest Code: NJA4006069
EPA ID: NYD000708198
Date Shipped: 20040223
TSDf EPA ID: NJD002182897
TSDf Received Date: 040223
Transporter EPA ID: TXR000050930
Transporter Received Date: 040223
Waste Code: D001
Quantity Shipped: 2352.00000
Unit of Measure: G
Method Code: T04

WI MANIFEST:
Year: 05

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SAFETY KLEEN CORP. (Continued)

1000224133

EPA ID: NYD000708198
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: 0
Contact Telephone: 0
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Year: 05
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: NYD000708198
Gen Date: 07/12/2005
TSD Date: 07/12/2005
TSD EPA ID: KYD053348108
GEN Copy Revd Date: / /
TSG Copy Revd Date: 09/22/2005
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 05
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: NYD000708198
Gen Date: 07/12/2005
TSD Date: 07/12/2005
TSD EPA ID: KYD053348108
GEN Copy Revd Date: / /
TSG Copy Revd Date: 08/29/2005
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST TRANS: -
Year: Not reported
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

SAFETY KLEEN CORP. (Continued)

EDR ID Number
 EPA ID Number

1000224133

TRAN ORDER NO: Not reported
 TRAN Date: Not reported

 Year: Not reported
 Manifest DOC ID: Not reported
 Waste Page No: Not reported
 Waste Line No: Not reported
 Waste Code: Not reported
 Waste Amount: Not reported
 Unit of Measure: Not reported
 Waste LBS: Not reported

**40
 NW
 1/2-1
 3568 ft.**

**POLYCOM HUNTSMAN INC.
 100 ADAMS BOULEVARD
 EAST FARMINGDALE, NY 11735**

**FINDS 1000441242
 RCRA-LQG NYD047663505
 CORRACTS
 AST
 CERC-NFRAP
 HSWDS
 NY MANIFEST**

**Relative:
 Higher**

**Actual:
 50 ft.**

CERCLIS-NFRAP Classification Data:
 Federal Facility: Not a Federal Facility
 Non NPL Code: DR
 NPL Status: Not on the NPL
 CERCLIS-NFRAP Assessment History:
 Assessment: DISCOVERY Completed: 06/01/1988
 Assessment: PRELIMINARY ASSESSMENT Completed: 12/29/1988
 Assessment: SITE INSPECTION Completed: 06/23/1993
 Assessment: ARCHIVE SITE Completed: 01/31/1997
 CERCLIS-NFRAP Alias Name(s):
 POLYCOM HUNTSMAN INC.(NYD119266187)

CORRACTS Data:

EPA Id: NYD047663505
 Region: 02
 Area Name: SITEWIDE
 Actual Date: 04/10/1995
 Corrective Action: CA050 - RFA Completed
 2002 NAICS Title: Not reported

EPA Id: NYD047663505
 Region: 02
 Area Name: SITEWIDE
 Actual Date: 05/19/1995
 Corrective Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
 2002 NAICS Title: Not reported

EPA Id: NYD047663505
 Region: 02
 Area Name: SITEWIDE
 Actual Date: 06/21/1995
 Corrective Action: CA210T - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority
 2002 NAICS Title: Not reported

EPA Id: NYD047663505

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

POLYCOM HUNTSMAN INC. (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000441242

Region: 02
Area Name: SITEWIDE
Actual Date: 09/19/1996
Corrective Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
2002 NAICS Title: Not reported

RCRAInfo Corrective Action Summary:

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
Event Date: 09/19/1996
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action referred to another non-RCRA Federal Authority.
Event Date: 06/21/1995
Event: RFA Determination Of Need For An RFI, RFI is Necessary;
Event Date: 05/19/1995
Event: RFA Completed
Event Date: 04/10/1995

RCRAInfo:

Owner: GEORGIA-PACIFIC CORP
(503) 222-5561
EPA ID: NYD047663505
Contact: WALTER SHINOSKI
(516) 694-8252

Classification: Large Quantity Generator
TSD Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/17/1987
Actual Date Achieved Compliance: 05/17/1988
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/06/1988
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/16/1986
Actual Date Achieved Compliance: 03/20/1987
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/15/1987
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/13/1985
Actual Date Achieved Compliance: 08/07/1986
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/08/1986
Penalty Type: Not reported
Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

POLYCOM HUNTSMAN INC. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000441242

Date Violation Determined: 09/17/1984
 Actual Date Achieved Compliance: 06/10/1985

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 02/13/1985
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

Date Violation Determined: 08/03/1984
 Actual Date Achieved Compliance: 06/10/1985

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 02/13/1985
 Penalty Type: Not reported

There are 5 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19880517
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19870320
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19860807
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850610
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850610

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY HSWDS:

Facility ID:	HS1028	EPA ID:	NYD047663505
Facility Status:	None		
Owner Type:	Puplic		
Owner:	Michael Adams Co.		
Owner Address:	Unknown		
Owner Phone:	Unknown		
Operator Type:	Same		
Operator:	Unknown		
Operator Address:	Unknown		
Operator Phone:	Unknown		
Registry:	D		
Registry Site ID:	152127	RCRA Permitted:	Unknown
Quadrangle:	Amityville	Lat/Long:	Unknown / Unknown
Acres:	4.00		
Operator Date:	1969	Close Date:	1988
Completed:	5-other	Active:	Unknown
Region:	1		
Volatile Organic Compounds Disposed:	Yes		
Semi Volatile Organic Compounds Disposed:	Yes		
PCB's Disposed:	No		
Pesticides Disposed:	No		
Metals Disposed:	Yes		
Asbestos Disposed:	No		
Analytical Info Exists for Air:	Not reported		
Analytical Info Exists for Ground:	Groundwater		
Analytical Info Exists for Surface:	Not reported		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

POLYCOM HUNTSMAN INC. (Continued)

1000441242

Analytical Info Exists for Sediments:	Sediment
Analytical Info Exists for Surface Soil:	Surface Soil
Analytical Info Exists for Substance:	Subsurface Soil
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	EPTox
Analytical Info Exists for TCLP:	Not reported
Site Poses Threat to Environment/Public Health:	E/P
Surface Water Contamination:	Unknown
Surface Water Body Class:	Unknown
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	No
Hazardous Exposure:	Yes
Site Has Controlled Access:	Unknown
Ambient Air Contamination:	Yes
Direct Contact:	Yes
EPA Hazardous Ranking System Score:	Unknown
Agencies:	NYSDEC
Air:	Not reported
Building:	Not reported
Site Description:	THE SITE WAS ENGAGED IN THE PRODUCTION OF COLOR CONCENTRATED POLYMERS. BOTH INDOOR AND OUTDOOR FACILITIES WERE UTILIZED FOR THE STORAGE OF RAW MATERIALS. OUTDOOR FACILITIES INCLUDED ABOVE AND BELOW GROUND STORAGE FACILITIES WHICH WERE UTILIZED EXCLUSIVELY FOR RAW MATERIALS. ALL WASTE MATERIALS WERE STORED INDOORS.
Drink:	Not reported
Eptox:	2/87 - LEAD 5 MG/L, 5/87 - 6 OUT OF 30 SAMPLES FROM RECHARGE BASIN FAILED EPTOX FOR LEAD, DRY LEACHING POOL IN BACK AREA - SEDIMENT FAILED FOR LEAD AT 25.2 MG/L, STORMWATER DRY WELL SEDIMENT - 6.9 MG/L FOR LEAD. 6/90 SOILS PASSED EPTOX AND GROUNDWATER WAS BELOW STANDARDS.
Fish:	Not reported
Ground:	-
	12 FT
Hazardous Threat:	CADMIUM, CHROMIUM, LEAD, DIETHYL PHTHALATE, PHENOLS THE PRIMARY SOURCE OF ON-SITE CONTAMINATION APPEARS TO BE HEAVY METALS CONTAINED IN THE VARIOUS PIGMENTS UTILIZED IN THE FACILITY. THE LEVELS OF CONTAMINATION EVIDENCED ARE SIGNIFICANT TO WARRANT CONCERN AND REMEDIATION.
Leachate:	Not reported
Preparer:	JULIA SLACK (SJS) ENV. ENGINEERING TECH AUGUST 15, 1994
Sediment:	SOIL/SEDIMENT SAMPLING RESULTS: CADMIUM 42.8 MG/KG, CHROMIUM 396 MG/KG, COPPER 670 MG/KG, LEAD 2210 MG/KG, MERCURY 20.1 MG/KG
Soil:	-
Surface:	Not reported
Status:	Not reported
Surface Soil:	-
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

NY MANIFEST:
 Document ID: NJA0005035
 Manifest Status: K
 Trans1 State ID: NJSWAS-18
 Trans2 State ID: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

POLYCOM HUNTSMAN INC. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000441242

Generator Ship Date: 840921
 Trans1 Recv Date: 840921
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 840924
 Part A Recv Date: 841019
 Part B Recv Date: 840929
 Generator EPA ID: NYD047663505
 Trans1 EPA ID: NJD089216790
 Trans2 EPA ID: Not reported
 TSDF ID: NJD089216790
 Waste Code: D006 - CADMIUM 1.0 MG/L TCLP
 Quantity: 05000
 Units: G - Gallons (liquids only)* (8.3 pounds)
 Number of Containers: 001
 Container Type: TT - Cargo tank, tank trucks
 Handling Method: T Chemical, physical, or biological treatment.
 Specific Gravity: 100
 Year: 84
 Facility Type: Both Generator and TSD
 EPA ID: NYD047663505
 Facility Name: PERGAMENT
 Facility Address: 100 ADAMS BLVD #120
 Facility City: FARMINGDALE
 Facility Zip 4: 6614
 Country: Not reported
 County: NASSAU
 Mailing Name: PERGAMENT
 Mailing Contact: ROBERT CLERKE
 Mailing Address: 100 ADAMS BLVD #120
 Mailing City: FARMINGDALE
 Mailing State: NY
 Mailing Zip: 11735
 Mailing Zip4: 6614
 Mailing Country: USA
 Mailing Phone: 516-694-5110
 Mailing Name: GEORGIA PACIFIC CHEMICAL INC
 Mailing Contact: Not reported
 Mailing Address: 100 ADAMS BLVD #120
 Mailing City: FARMINGDALE
 Mailing State: NY
 Mailing Zip: 11735
 Mailing Zip4: 6614
 Mailing Country: USA
 Mailing Phone: 999-999-9999

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

Suffolk County AST:			
Facility ID:	1185	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	MICHAEL ADAMOWICZ 195 MARINE ST FARMINGDALE, NY 11735	Tank Key:	3360
Dispenser:	SUCTION	Tank ID:	3
Location:	ABOVE, IN	Installed:	76
Capacity:	000007000		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

POLYCOM HUNTSMAN INC. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000441242

Tax Map No:	0100	Township :	BABYLON
Tank Count:	7	Facility Ref #	02285
Fill Type:	PUMPED	Date Removed:	040593
Content:	Industrial Waste		
Construction:	STEEL		
Official Use:	Removed Tank (Date Removed - 1993)		
Facility ID:	1185	Region:	Not reported
Permit to Operate:	Not reported		
Owner:	MICHAEL ADAMOWICZ 195 MARINE ST FARMINGDALE, NY 11735		
Dispenser:	Not reported	Tank Key:	3362
Location:	ABOVE, IN	Tank ID:	5
Capacity:	0000001320	Installed:	86
Tax Map No:	0100	Township :	BABYLON
Tank Count:	7	Facility Ref #	02285
Fill Type:	PUMPED	Date Removed:	040593
Content:	Drum Storage		
Construction:	Not reported		
Official Use:	Removed Tank (Date Removed - 1993)		

**41
 NNE
 1/2-1
 3754 ft.**

**KBF POLLUTION MANAGEMENT INC
 1110 FARMINGDALE RD
 NORTH LINDENHURST, NY 11757**

**RCRA-SQG 1000128056
 FINDS NYD981182769
 RCRA-TSDF
 CBS AST
 CORRACTS
 NY MANIFEST
 CT MANIFEST**

**Relative:
 Higher**

**Actual:
 49 ft.**

CORRACTS Data:

EPA Id:	NYD981182769
Region:	02
Area Name:	SITEWIDE
Actual Date:	01/05/1994
Corrective Action:	CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
2002 NAICS Title:	Not reported
EPA Id:	NYD981182769
Region:	02
Area Name:	SITEWIDE
Actual Date:	02/18/1999
Corrective Action:	CA550 - Certification Of Remedy Completion Or Construction Completion
2002 NAICS Title:	Not reported
EPA Id:	NYD981182769
Region:	02
Area Name:	SITEWIDE
Actual Date:	05/07/1998
Corrective Action:	CA350 - CMS Approved
2002 NAICS Title:	Not reported
EPA Id:	NYD981182769
Region:	02
Area Name:	SITEWIDE
Actual Date:	06/12/1995
Corrective Action:	CA050 - RFA Completed
2002 NAICS Title:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

KBF POLLUTION MANAGEMENT INC (Continued)

1000128056

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/17/1998
Actual Date Achieved Compliance: 06/06/2000

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 04/03/1998
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/06/2000
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/17/1998
Actual Date Achieved Compliance: 06/06/2000

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 04/03/1998
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/06/2000
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/26/1997
Actual Date Achieved Compliance: 06/06/2000

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 04/03/1998
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/06/2000
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-MANIFEST REQUIREMENTS
Date Violation Determined: 03/26/1997
Actual Date Achieved Compliance: 06/06/2000

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 04/03/1998
Penalty Type: Final Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 06/06/2000
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS
Date Violation Determined: 05/12/1993
Actual Date Achieved Compliance: 10/19/1993

Enforcement Action: CIVIL ACTION FOR MONETARY PENALTIES
Enforcement Action Date: 10/19/1993
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

KBF POLLUTION MANAGEMENT INC (Continued)

EDR ID Number
 EPA ID Number

1000128056

Date Violation Determined: 10/23/1986
 Actual Date Achieved Compliance: 03/17/1987
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 01/20/1987
 Penalty Type: Not reported

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	6/6/2000	11000	STATE
Proposed Monetary Penalty	4/3/1998	29500	STATE
Final Monetary Penalty	10/19/1993	4000	STATE

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

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	20000606
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	20000606
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	20000606
Other Evaluation	TSD-MANIFEST REQUIREMENTS	20000606
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19931019
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19870317

FINDS:

Other Pertinent Environmental Activity Identified at Site:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CBS AST:

CBS Number: 1-000333 Telephone: (516) 225-0007
 Owner: KBF POLLUTION MANAGEMENT, INC.
 1 KBF PLAZA
 PATTERSON, NJ 07522
 (973) 942-7700

Facility Status: Active
 Total Tanks: 2
 Tank Status: In Service
 Tank Error Status: No Missing Data
 Tank Location: Aboveground
 Install Date: 09/89
 Capacity (Gal): 1000
 Tank Type: Plastic
 Substance: Single Hazardous Substance on DEC List
 Extrnl Protection: None
 Intrnl Protection: None
 Tank Containment: Diking
 Pipe Type: STEEL/IRON Pipe Location: Aboveground
 Pipe Internal: None
 Pipe External: None
 Pipe Containment: Other Haz Percent: 50
 Leak Detection: Concrete Pad w/channels
 Overfill Protection: Not reported
 Chemical: Sodium hydroxide
 Tank Closed: 06/92
 PBS Number: Not reported SWIS Code: 4720

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

KBF POLLUTION MANAGEMENT INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000128056

Federal ID:	Not reported	CAS Number:	1310732
MOSF Number:	Not reported	ICS Number:	1-700722
SPDES Number:	Not reported	Facility Town:	BABYLON
Facility Type:	Other	Emrgncy Phone:	(516) 472-9685
Operator:	LARRY KREISLER	Expiration Date:	09/15/1999
Emrgncy Contact:	LARRY KREISLER	Owner type:	Corporate/Commercial
Certified Date:	08/26/1997	Owner Sub Type:	Not reported
Owner type:	Corporate/Commercial	Mail Name:	KBF POLLUTION MANAGEMENT, INC.
Owner Sub Type:	Not reported	Mail Contact:	LARRY KREISLER
Mail Name:	KBF POLLUTION MANAGEMENT, INC.		
Mail Contact:	LARRY KREISLER		
	1 KBF PLAZA		
	PATTERSON, NJ 07522		
Mail Phone:	(973) 942-7700		
Tank Secret:	False	Date Entered:	09/15/1989 08:24:05
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	08/31/93	Date Expired:	09/15/95
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	725		
Unique Tank Id Number:	020		
Date Pre-Printed Renewal App Form Was Last Printed:			06/01/1999
CBS Number:	1-000333	Telephone:	(516) 225-0007
Owner:	KBF POLLUTION MANAGEMENT, INC.		
	1 KBF PLAZA		
	PATTERSON, NJ 07522		
	(973) 942-7700		
Facility Status:	Active		
Total Tanks	2		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	09/89		
Capacity (Gal):	225		
Tank Type:	Fiberglass reinforced plastic [FRP]		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	Diking		
Pipe Type:	PLASTIC	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	Other	Haz Percent:	50
Leak Detection:	Concrete Pad w/channels		
Overfill Protection:	Not reported		
Chemical:	Sodium hydroxide		
Tank Closed:	00/00		
PBS Number:	Not reported	SWIS Code:	4720
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	1310732
SPDES Number:	Not reported	ICS Number:	1-700722
Facility Type:	Other		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

KBF POLLUTION MANAGEMENT INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000128056

Operator:	LARRY KREISLER	Facility Town:	BABYLON
Emrgncy Contact:	LARRY KREISLER	Emrgncy Phone:	(516) 472-9685
Certified Date:	08/26/1997	Expiration Date:	09/15/1999
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	KBF POLLUTION MANAGEMENT, INC.		
Mail Contact:	LARRY KREISLER		
	1 KBF PLAZA		
	PATTERSON, NJ 07522		
Mail Phone:	(973) 942-7700		
Tank Secret:	False	Date Entered:	09/15/1989 08:24:30
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	08/31/93	Date Expired:	09/15/95
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	725		
Unique Tank Id Number:	013		
Date Pre-Printed Renewal App Form Was Last Printed:			06/01/1999
CBS Number:	1-000333	Telephone:	(516) 225-0007
Owner:	KBF POLLUTION MANAGEMENT, INC.		
	1 KBF PLAZA		
	PATTERSON, NJ 07522		
	(973) 942-7700		
Facility Status:	Active		
Total Tanks	2		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	05/94		
Capacity (Gal):	225		
Tank Type:	Fiberglass reinforced plastic [FRP]		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	None		
Intrnl Protection:	None		
Tank Containment:	Diking		
Pipe Type:	PLASTIC	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None		
Pipe Containment:	Other	Haz Percent:	13
Leak Detection:	Other		
Overfill Protection:	Not reported		
Chemical:	Sodium hypochlorite		
Tank Closed:	Not reported		
PBS Number:	Not reported	SWIS Code:	4720
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	7681529
SPDES Number:	Not reported	ICS Number:	1-700722
Facility Type:	Other		
Operator:	LARRY KREISLER	Facility Town:	BABYLON
Emrgncy Contact:	LARRY KREISLER	Emrgncy Phone:	(516) 472-9685
Certified Date:	08/26/1997	Expiration Date:	09/15/1999
Owner type:	Corporate/Commercial		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

KBF POLLUTION MANAGEMENT INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000128056

Owner Sub Type:	Not reported		
Mail Name:	KBF POLLUTION MANAGEMENT, INC.		
Mail Contact:	LARRY KREISLER		
	1 KBF PLAZA		
	PATTERSON, NJ 07522		
Mail Phone:	(973) 942-7700		
Tank Secret:	False	Date Entered:	09/15/1989 08:24:59
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	08/31/93	Date Expired:	09/15/95
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	725		
Unique Tank Id Number:	014		
Date Pre-Printed Renewal App Form Was Last Printed:		06/01/1999	
CBS Number:	1-000333	Telephone:	(516) 225-0007
Owner:	KBF POLLUTION MANAGEMENT, INC.		
	1 KBF PLAZA		
	PATTERSON, NJ 07522		
	(973) 942-7700		
Facility Status:	Active		
Total Tanks:	2		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	06/92		
Capacity (Gal):	3000		
Tank Type:	Steel/carbon steel		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Other		
Intrnl Protection:	None		
Tank Containment:	Diking		
Pipe Type:	STEEL/IRON	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	Other		
Pipe Containment:	None	Haz Percent:	50
Leak Detection:	Other		
Overfill Protection:	Not reported		
Chemical:	Sodium hydroxide		
Tank Closed:	08/97		
PBS Number:	Not reported	SWIS Code:	4720
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	1310732
SPDES Number:	Not reported	ICS Number:	1-700722
Facility Type:	Other		
Operator:	LARRY KREISLER	Facility Town:	BABYLON
Emrgncy Contact:	LARRY KREISLER	Emrgncy Phone:	(516) 472-9685
Certified Date:	08/26/1997	Expiration Date:	09/15/1999
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	KBF POLLUTION MANAGEMENT, INC.		
Mail Contact:	LARRY KREISLER		
	1 KBF PLAZA		

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

KBF POLLUTION MANAGEMENT INC (Continued)

1000128056

Mail Phone:	PATTERSON, NJ 07522		
	(973) 942-7700		
Tank Secret:	False	Date Entered:	05/19/1992 08:44:04
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	08/31/93	Date Expired:	09/15/95
Is it There:	False	Is Updated:	False
Owner Status:	F		
Certificate Needs to be Printed:	False		
Fiscal Amt for Registration Fee Correct:	True		
Renewal Has Been Printed for Facility:	True		
Total Capacity of All Active Tanks(gal):	725		
Unique Tank Id Number:	029		
Date Pre-Printed Renewal App Form Was Last Printed:		06/01/1999	

This is the most recent NY CBS AST data for this site.

[Click this hyperlink](#) while viewing on your computer to access 1 additional NY CBS AST record(s) in the EDR Site Report.

NY MANIFEST:

Document ID:	NYB7756515
Manifest Status:	C
Trans1 State ID:	GE9561
Trans2 State ID:	Not reported
Generator Ship Date:	951208
Trans1 Recv Date:	951208
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951208
Part A Recv Date:	960104
Part B Recv Date:	951219
Generator EPA ID:	NYD981182769
Trans1 EPA ID:	NYD981182769
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95
Facility Type:	Both Generator and TSD
EPA ID:	NYD981182769
Facility Name:	KBF POLLUTION MANAGEMENT INC
Facility Address:	1110 FARMINGDALE RD
Facility City:	LINDENHURST
Facility Zip 4:	Not reported
Country:	Not reported
County:	SUFFOLK
Mailing Name:	KBF POLLUTION MANAGEMENT INC
Mailing Contact:	LARRY KREISLER
Mailing Address:	1110 FARMINGDALE RD
Mailing City:	LINDENHURST
Mailing State:	NY
Mailing Zip:	11757
Mailing Zip4:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

KBF POLLUTION MANAGEMENT INC (Continued)

1000128056

Mailing Country: USA
Mailing Phone: 516-225-0007
Mailing Name: KBF INC
Mailing Contact: LARRY KREISLER
Mailing Address: 1110 FARMINGDALE
Mailing City: NORTH LINDENHURST
Mailing State: NY
Mailing Zip: 11757
Mailing Zip4: Not reported
Mailing Country: Not reported
Mailing Phone: 516-225-0007

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

CT MANIFEST:

Year: 2002
Manifest ID: NJA4041308
TSDf EPA ID: NJR000022442
TSDf Name: AMERICAN METALS RECOVERY CORP
TSDf Address: 1 KBF PLZ END OF JASPER ST
TSDf City,St,Zip: PATERSON, NJ 07505
TSDf Country: USA
TSDf Telephone: Not reported
Transport Date: 02/14/02
Transporter EPA ID: NJR000023325
Transporter Name: METAL RECOVERY TRANSPORTATION CORP
Transporter Country: USA
Transporter Phone: Not reported
Trans 2 Date: / /
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
Trans 2 Address: Not reported
Trans 2 City,St,Zip: CT
Trans 2 Country: USA
Trans 2 Phone: Not reported
Generator EPA ID: CT5000000273
Generator Phone: 2032896047
Generator Address: Not reported
Generator City,State,Zip: Not reported
Generator Country: Not reported
Special Handling: Not reported
Discrepancies: No
Date Shipped: 02/14/02
Date Received: 02/18/02
Last modified date: 04/27/04
Last modified by: IG
Comments: Not reported

[Click this hyperlink](#) while viewing on your computer to access
1 additional CT MANIFEST: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LOUIS SORRENTINO PROPERTY (Continued)

S105973012

Operator Phone : Not reported
Operator Contact Name :
Latitude : Not reported
Site Type : Not reported
Owner(s) During Disposal : Not reported
Operator(s) During Disposal : Not reported
Haz Waste Disposal Period : Not reported
Analytical Data Available For : Not reported
Applicable Std Exceeded In : Not reported
Geotech Info: Soil/rock Type : Not reported
Depth To Groundwater : Not reported
Status : Not reported
Nature Of Action : Not reported
Site Description : Not Reported
Confirmed Hazardous Waste : Not Reported
Environment Assesment : Not Reported
Health Assesment : Not Reported
Disposal Start Date : Not reported
Disposal Terminated Date : Not reported
Air Violation : Not reported
Groundwater Violation : Not reported
Drink Water Violation : Not reported
Surface Water Violation : Not reported
Legal New York State : Not reported
Legal Federal : Not reported
Legal State : Not reported
Remedial Action Active : Not reported
Remedial Action Done : Not reported
NPL Status : Not reported
Count Operator : Not reported
Count Owner : Not reported
Lat/Long Decimal : Not reported
Co Name : Not reported
Co Addr : Not reported
Operator Addr : Not reported
Operator Addr 2 : Not reported
Operator Addr 3 : Not reported
Operator Addr 4 : Not reported
HWDP From : Not reported
From To: Not reported
Assessment Of Health : Not reported
Environmental Assessment : Not reported
Haz Waste Disposed / Quantity : Not reported
Description : Not reported
Assessment of Env Programs : Not reported
Assessment of Health Problems : Not reported
Site Description : Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
AMITYVILLE	U003960631	BRUNSWICK HOSPITAL CENTER	366 RTE 110 BROADWAY	11701	UST
AMITYVILLE	U003960810	MI JOE X CELLO AUTOMOTIVE S/S	632 RTE 110 BROADWAY	11701	UST
AMITYVILLE	U003534570	GETTY S/S #00454	315 RTE 27 A MONTAUK HWY MERR	11701	UST
AMITYVILLE	U003534896	LEGEND AUTORAMA	158 RTE 27 A MONTAUK HWY MERR	11701	AST
AMITYVILLE	U003535061	PASTIME PUB	140 RTE 27 A MONTAUK HWY MERR	11701	UST
AMITYVILLE	U003843882	DMA AUTOMOTIVE INC	340 RTE 27 A MONTAUK HWY MERR	11701	AST
AMITYVILLE	U003961173	MERRICK ROAD CORP WAREHOUSE	200 RTE 27 A MONTAUK HWY MERR	11701	UST
AMITYVILLE	U004004630	BODY DESIGNS TLC	137 RTE 27 SUNRISE HWY	11701	UST
AMITYVILLE	1009226884	ISLAND MEDICAL WASTE REMOVAL INC	172 NEW HIGHWAY	11701	NY MANIFEST
AMITYVILLE	1009235438	NYSDEC OIL SPILLS	150 NEW HIGHWAY	11701	NY MANIFEST
AMITYVILLE	A100197496	TRANS AMERICA TRANSMISSION	111 B RTE 27 SUNRISE HWY	11701	AST
AMITYVILLE	U003844828	NICKS AUTOMOTIVE	111 A RTE 27 SUNRISE HWY	11701	AST
AMITYVILLE	1009226367	SOUTH OAK HOSPITAL	400 SUNRISE HIGHWAY	11701	NY MANIFEST
AMITYVILLE	1009232232	GETTY PETROLEUM	189 SUNRISE HIGHWAY	11701	NY MANIFEST
AMITYVILLE	S106003039		SUNRISE HIGHWAY / RT 110		NY Spills
COPIAGUE	U003534815	ROMANELLI S/S	1201 RTE 27 A MONTAUK HWY	11726	UST, AST
COPIAGUE	U003960800	EXXON #70233	1310 RTE 27 SUNRISE HWY	11726	UST
COPIAGUE	U003960807	SPIFFY LUBE REPAIR	990 RTE 27 A MONTAUK HWY	11726	UST
COPIAGUE	U003960915	HESS	1201 RTE 27 SUNRISE WHY	11726	UST
COPIAGUE	U003961009	WRIGHT MARINE BASIN	1160 RTE 27 A MONTAUK HWY	11726	UST
COPIAGUE	U003961080	KALLASH PROPERTY	830 RTE 27 A MONTAUK HWY MERR	11726	UST
COPIAGUE	U003961230	NAPA AUTO PARTS	1187 RTE 27 SUNRISE HWY	11726	UST
COPIAGUE	U003961235	CVS(FORMER)	901 RTE 27 A MONTAUK HWY	11726	UST
COPIAGUE	S102140839		1151 SUNRISE HWY/W/O GREA	11726	NY Spills, NY Hist Spills
FARMINGDALE	S106905131	LOUIS SORRENTINO PROPERTY	115 MARINE STREET	11735	SHWS
LINDENHURST	S106737422	INDIAN TAJ	127 EAST MONTAUK HIGHWAY	11757	LTANKS
LINDENHURST	S106869297	STRIP MALL	168 -188 MONTAUK HWY	11757	LTANKS
LINDENHURST	S107487870	JERICHO MARINE	269 E. MONTAUK HIGHWAY	11757	VCP
NORTH AMITYVILLE	U003960898	NORTH AMITYVILLE FIRE DEPT	601 RTE 110 BROADWAY	11701	UST
NORTH AMITYVILLE	A100264876	ROUTE 110 SERVICE/US PETROLEUM	616 RTE 110 BROADWAY	11701	AST
NORTH AMITYVILLE	A100264878	MILLENNIUM S/S	725 RTE 110 BROADWAY AVE	11701	AST
NORTH AMITYVILLE	U003843317	LINROSS S/S	624 RTE 110	11701	UST
NORTH AMITYVILLE	U003843358	MILLENNIUM S/S	725 RTE 110 BROADWAY AVE	11701	UST
NORTH AMITYVILLE	U003960781	LUMART/AMOCO S/S #1336	648 RTE 110	11701	UST
NORTH AMITYVILLE	S106018267	NORTH AMITYVILLE FIRE DEPARTMENT	601 RTE 110/HARRISON AVENUE	11701	NY Spills

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D011	SILVER
D018	BENZENE
D022	CHLOROFORM
D027	1,4-DICHLOROENZENE
D028	1,2-DICHLOROETHANE
D035	METHYL ETHYL KETONE
D036	NITROBENZENE
D038	PYRIDINE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

EPA Waste Codes Addendum

Code	Description
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/14/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	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

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: 07/03/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/13/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/24/2006
	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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/12/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	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

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: 03/06/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/17/2006
	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: 04/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/30/2006
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
Date Data Arrived at EDR: 10/15/2002
Date Made Active in Reports: 10/30/2002
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/30/2006
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

Date of Government Version: 12/30/2005
Date Data Arrived at EDR: 01/23/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 15

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: 12/30/2005
Date Data Arrived at EDR: 01/23/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 15

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWTIRE: Registered Waste Tire Storage & Facility List

Date of Government Version: 04/01/2004	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/19/2004	Telephone: 518-402-8694
Date Made Active in Reports: 06/25/2004	Last EDR Contact: 05/19/2006
Number of Days to Update: 37	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: 04/05/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/06/2006	Telephone: 518-402-9549
Date Made Active in Reports: 05/17/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 41	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.

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

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: 01/01/2002	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 06/02/2006
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/24/2006
	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	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: 10/24/2005
Number of Days to Update: 30	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	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: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

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: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/02/2006
Next Scheduled EDR Contact: 07/24/2006
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

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
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

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
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: 04/05/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 41

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 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
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 12/30/2005	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/23/2006	Telephone: 518-402-9553
Date Made Active in Reports: 02/07/2006	Last EDR Contact: 06/15/2006
Number of Days to Update: 15	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: 12/30/2005	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/23/2006	Telephone: 518-402-9553
Date Made Active in Reports: 02/07/2006	Last EDR Contact: 06/15/2006
Number of Days to Update: 15	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: 12/30/2005	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/05/2006	Telephone: 518-402-9711
Date Made Active in Reports: 02/07/2006	Last EDR Contact: 06/15/2006
Number of Days to Update: 33	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/15/2004	Telephone: 518-402-8403
Date Made Active in Reports: 07/29/2004	Last EDR Contact: 05/21/2004
Number of Days to Update: 44	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: 12/30/2005	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/23/2006	Telephone: 518-402-9764
Date Made Active in Reports: 02/07/2006	Last EDR Contact: 06/15/2006
Number of Days to Update: 15	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/11/2006	Telephone: 518-402-8233
Date Made Active in Reports: 06/27/2006	Last EDR Contact: 05/09/2006
Number of Days to Update: 47	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: 07/11/2006
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

AMITYVILLE AFRC, NY
600 ALBANY AVE
AMITYVILLE, NY 11701

TARGET PROPERTY COORDINATES

Latitude (North):	40.70730 - 40° 42' 26.3"
Longitude (West):	73.4032 - 73° 24' 11.5"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	634891.9
UTM Y (Meters):	4507280.0
Elevation:	46 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40073-F4 AMITYVILLE, NY
Most Recent Revision:	1994

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).

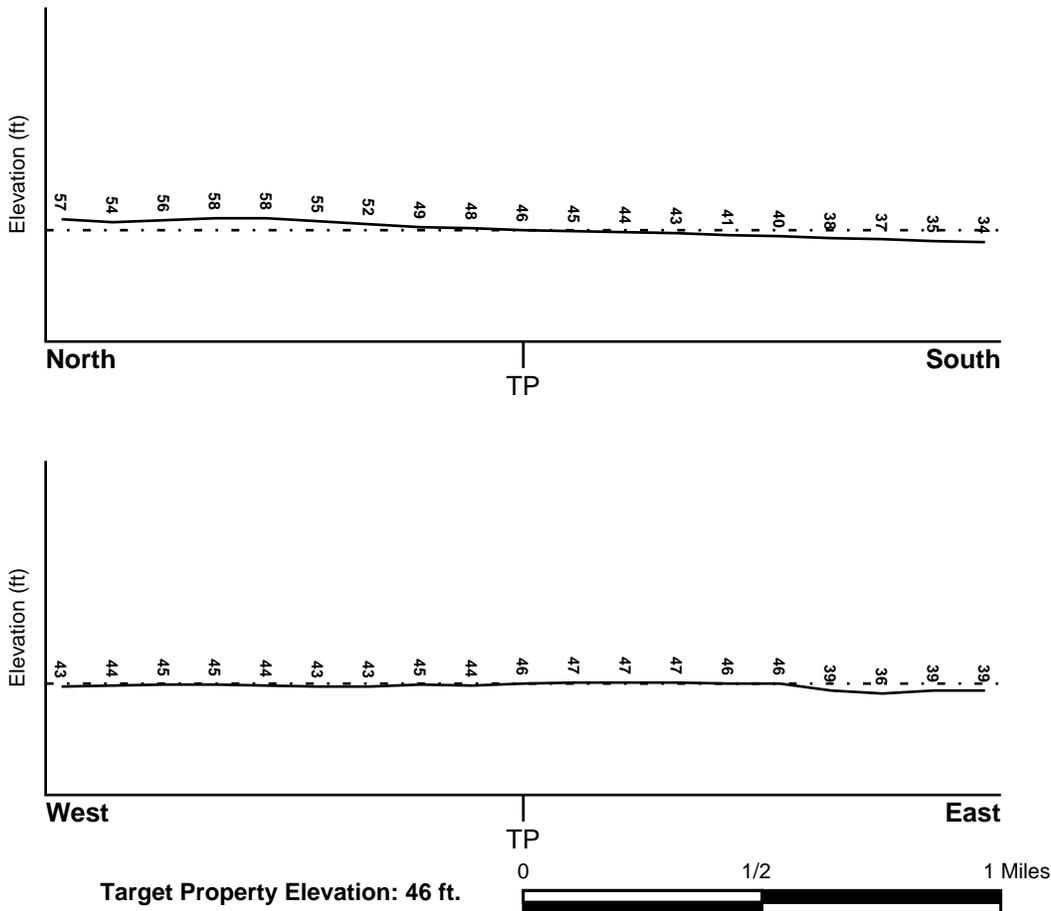
TOPOGRAPHIC INFORMATION

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 SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

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>
SUFFOLK, NY	YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	36103C0835G
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
AMITYVILLE	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
Location Relative to TP:	1/2 - 1 Mile WNW
Site Name:	Louis Sorrentino Property
Site EPA ID Number:	NYD982531154
Groundwater Flow Direction:	GENERALLY SSE.
Inferred Depth to Water:	25 feet.
Hydraulic Connection:	One or two confining clay layers separate the three aquifers that underlie the site.
Sole Source Aquifer:	A sole source aquifer is present at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

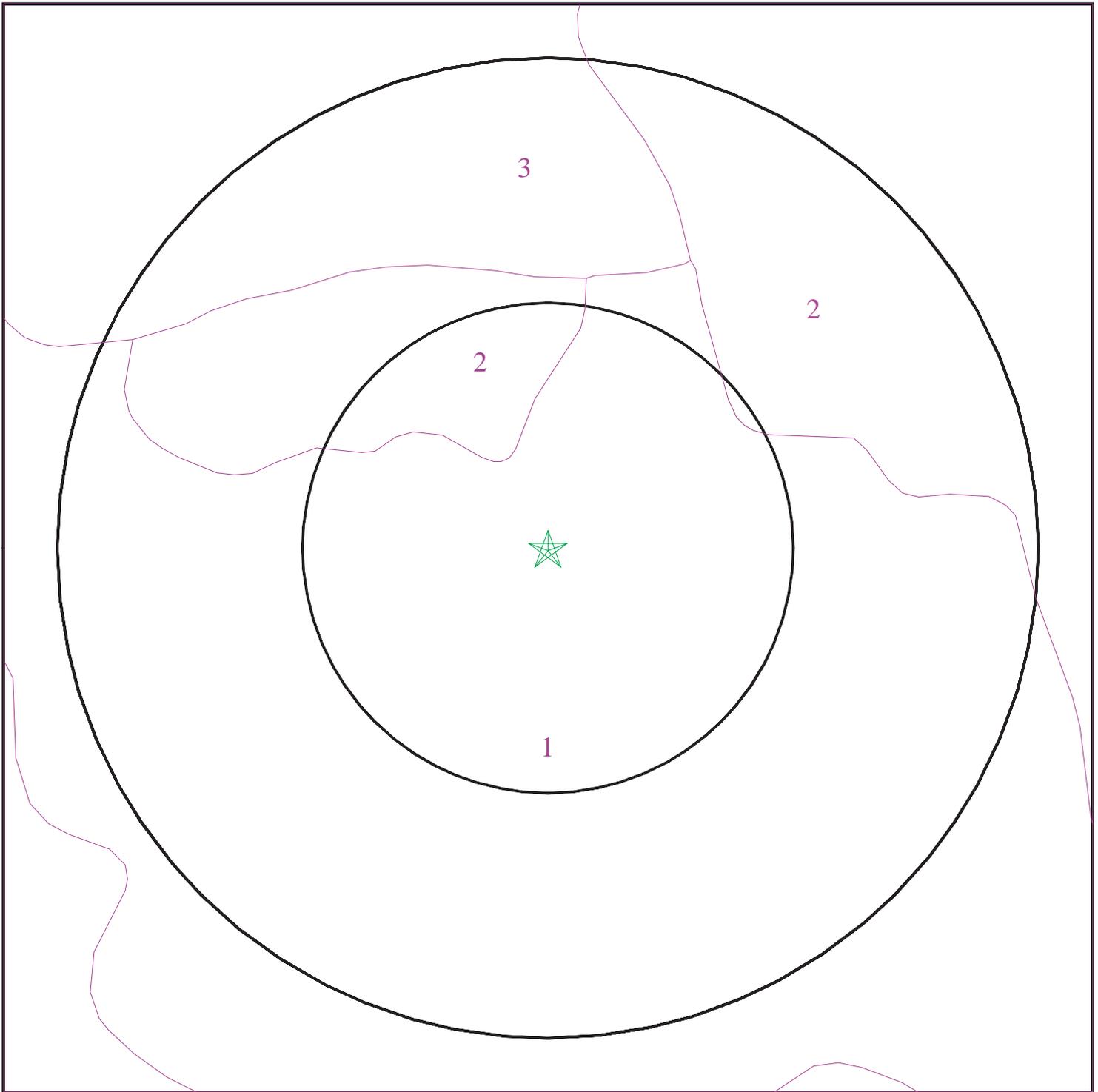
Era: Cenozoic
System: Quaternary
Series: Pleistocene
Code: Qp (*decoded above as Era, System & Series*)

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).

SSURGO SOIL MAP - 01714247.14r



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Amityville AFRC, NY
ADDRESS: 600 ALBANY AVE
AMITYVILLE NY 11701
LAT/LONG: 40.7073 / 73.4032

CLIENT: CH2M Hill
CONTACT: Mary Beth Jacques
INQUIRY #: 01714247.14r
DATE: July 12, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: RIVERHEAD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

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	12 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 6.00 Min: 3.60
2	12 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 3.60
3	27 inches	35 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 4.50

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		
4	35 inches	65 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 20.00	Max: 7.30 Min: 4.50

Soil Map ID: 2

Soil Component Name: RIVERHEAD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

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	12 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 6.00 Min: 3.60

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		
2	12 inches	27 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 3.60
3	27 inches	35 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 6.00 Min: 4.50
4	35 inches	65 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 20.00	Max: 7.30 Min: 4.50

Soil Map ID: 3

Soil Component Name: HAVEN

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 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	19 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	19 inches	28 inches	gravelly - loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	28 inches	60 inches	stratified	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.	Max: 20.00 Min: 20.00	Max: 6.00 Min: 4.50

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>
A1	USGS2118263	1/8 - 1/4 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS2118262	1/8 - 1/4 Mile North
3	USGS2118455	1/4 - 1/2 Mile SE
B5	USGS2118590	1/4 - 1/2 Mile SSW
B18	USGS2118577	1/4 - 1/2 Mile SSW
B19	USGS2118576	1/4 - 1/2 Mile South
20	USGS2118378	1/4 - 1/2 Mile East
B21	USGS2118560	1/4 - 1/2 Mile SSW
B22	USGS2118759	1/4 - 1/2 Mile SSW
23	USGS2118389	1/4 - 1/2 Mile West
24	USGS2118561	1/2 - 1 Mile SSW
25	USGS2118713	1/2 - 1 Mile SSE
C26	USGS2118098	1/2 - 1 Mile North
C27	USGS2118099	1/2 - 1 Mile North
C28	USGS2118100	1/2 - 1 Mile North
C29	USGS2118097	1/2 - 1 Mile North
D30	USGS2118631	1/2 - 1 Mile WSW
D31	USGS2118616	1/2 - 1 Mile WSW
D32	USGS2118615	1/2 - 1 Mile WSW
E33	USGS2118665	1/2 - 1 Mile WSW
E34	USGS2118664	1/2 - 1 Mile WSW
39	USGS2117982	1/2 - 1 Mile NNW
40	USGS2118851	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B4	NY0010526	1/4 - 1/2 Mile SSW

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B6	NYWS006404	1/4 - 1/2 Mile SSW
B7	NYWS006403	1/4 - 1/2 Mile SSW
B8	NYWS006402	1/4 - 1/2 Mile SSW
B9	NYWS006407	1/4 - 1/2 Mile SSW
B10	NYWS006406	1/4 - 1/2 Mile SSW
B11	NYWS006405	1/4 - 1/2 Mile SSW
B12	NYWS006398	1/4 - 1/2 Mile SSW
B13	NYWS006397	1/4 - 1/2 Mile SSW
B14	NYWS006396	1/4 - 1/2 Mile SSW
B15	NYWS006401	1/4 - 1/2 Mile SSW
B16	NYWS006400	1/4 - 1/2 Mile SSW
B17	NYWS006399	1/4 - 1/2 Mile SSW
E35	NYWS006391	1/2 - 1 Mile WSW
E36	NYWS006392	1/2 - 1 Mile WSW
E37	NYWS006389	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID

E38

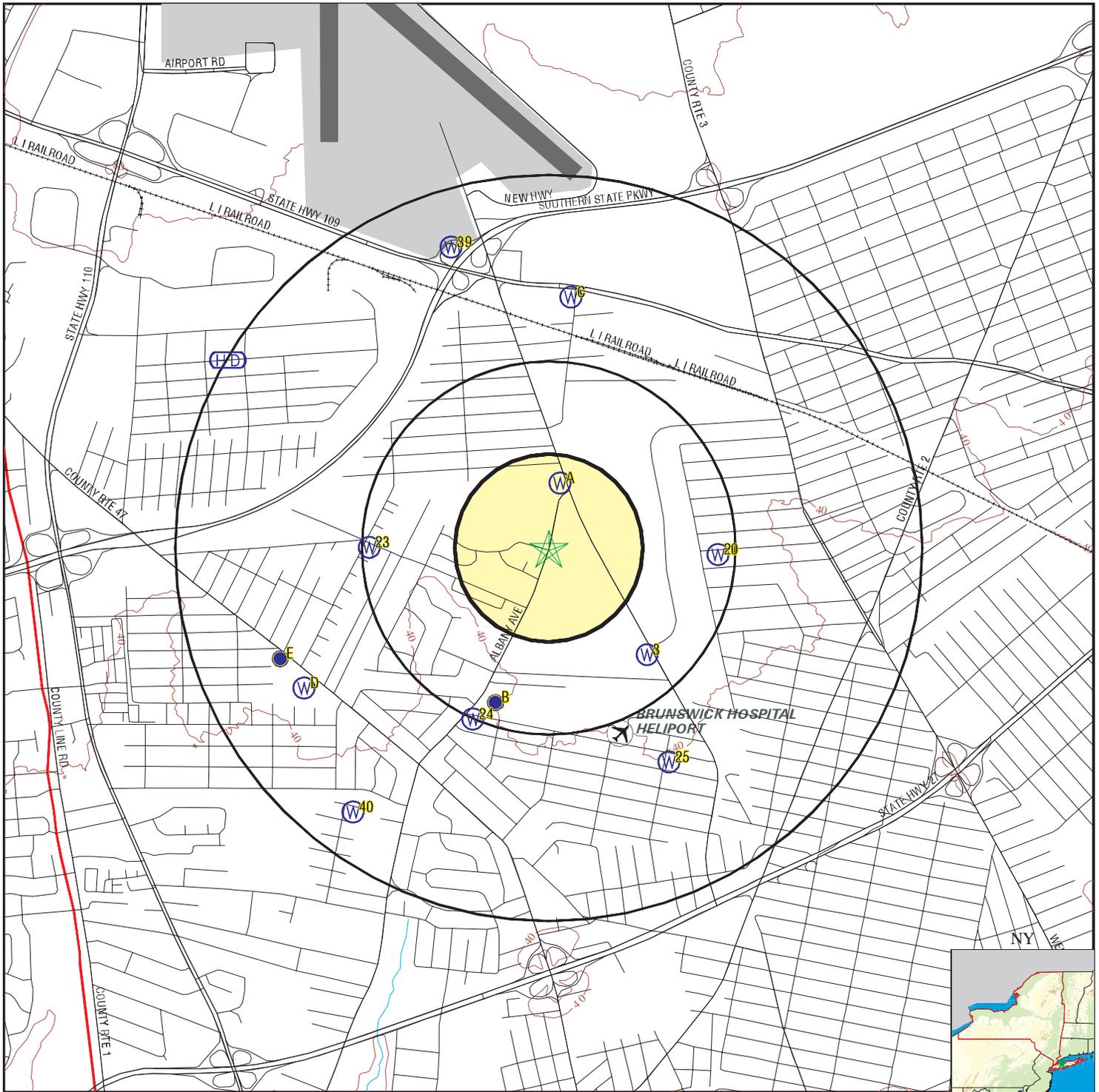
WELL ID

NYWS006390

LOCATION
FROM TP

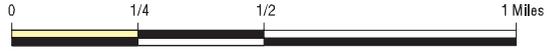
1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 01714247.14r



- 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: Amityville AFRC, NY
 ADDRESS: 600 ALBANY AVE
 AMITYVILLE NY 11701
 LAT/LONG: 40.7073 / 73.4032

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.14r
 DATE: July 12, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
North
1/8 - 1/4 Mile
Higher

FED USGS USGS2118263

Agency cd:	USGS	Site no:	404235073241102
Site name:	S 67535. 1		
Latitude:	404235		
Longitude:	0732411	Dec lat:	40.70982205
Dec lon:	-73.40262209	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 302	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
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	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1990-03-01	Ground water data end date:	1994-03-23
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----			-----		
1994-03-23		35.77	1990-03-01		36.99

A2
North
1/8 - 1/4 Mile
Higher

FED USGS USGS2118262

Agency cd:	USGS	Site no:	404235073241101
Site name:	S 66134. 1		
Latitude:	404235		
Longitude:	0732411	Dec lat:	40.70982205
Dec lon:	-73.40262209	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 302 4163	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	50.0	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:	MAGOTHY AQUIFER		
Well depth:	150.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1980-01-17	Ground water data end date:	1994-03-23
Ground water data count:	14		

Ground-water levels, Number of Measurements: 14

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-03-23		32.63	1990-03-01		33.51
1983-03-07		31.16	1982-12-03		31.36
1982-09-13		31.60	1982-06-30		34.23
1982-03-12		33.35	1981-12-14		31.65
1981-06-15		31.84	1980-12-11		32.84
1980-09-27		32.97	1980-06-24		33.97
1980-03-06		33.09	1980-01-17		33.45

3

SE

1/4 - 1/2 Mile

Lower

FED USGS

USGS2118455

Agency cd:	USGS	Site no:	404211073235501
Site name:	S 23856. 1		
Latitude:	404211		
Longitude:	0732355	Dec lat:	40.70315547
Dec lon:	-73.39817757	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 316	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Northern Long Island. New York. Area = 915 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:	GLACIAL AQUIFER,UPPER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1973-08-15
 Ground water data begin date: 0000-00-00
 Ground water data count: 0

Water quality data begin date: 1973-08-15
 Water quality data count: 2
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

B4
SSW
1/4 - 1/2 Mile
Lower

FRDS PWS NY0010526

PWS ID: NY0010526 PWS Status: Active
 Date Initiated: Not Reported Date Deactivated: Not Reported
 PWS Name: SUFFOLK COUNTY WATER AUTHORITY
 POND ROAD
 OAKDALE, NY 11769

Addressee / Facility: System Owner/Responsible Party
 SUFFOLK COUNTY WATER AUTHORITY
 POND ROAD
 OAKDALE, NY 11769

Facility Latitude:	40 44 28	Facility Longitude:	073 07 40
Facility Latitude:	40 44 28	Facility Longitude:	073 07 40
Facility Latitude:	40 44 28	Facility Longitude:	073 07 40
Facility Latitude:	40 43 17	Facility Longitude:	073 15 36
Facility Latitude:	40 43 18	Facility Longitude:	073 15 38
Facility Latitude:	40 46 16	Facility Longitude:	073 12 33
Facility Latitude:	40 46 16	Facility Longitude:	073 12 33
Facility Latitude:	40 46 16	Facility Longitude:	073 12 33
Facility Latitude:	40 46 16	Facility Longitude:	073 12 33
Facility Latitude:	40 45 26	Facility Longitude:	073 15 05
Facility Latitude:	40 45 26	Facility Longitude:	073 15 05
Facility Latitude:	40 45 26	Facility Longitude:	073 15 05
Facility Latitude:	40 48 11	Facility Longitude:	073 11 33
Facility Latitude:	40 48 11	Facility Longitude:	073 11 33
Facility Latitude:	40 48 11	Facility Longitude:	073 11 33
Facility Latitude:	40 45 37	Facility Longitude:	073 16 33
Facility Latitude:	40 45 37	Facility Longitude:	073 16 33
Facility Latitude:	40 43 04	Facility Longitude:	073 16 19
Facility Latitude:	40 43 04	Facility Longitude:	073 16 19
Facility Latitude:	40 43 04	Facility Longitude:	073 16 19
Facility Latitude:	40 45 49	Facility Longitude:	073 10 44
Facility Latitude:	40 45 49	Facility Longitude:	073 10 44
Facility Latitude:	40 45 49	Facility Longitude:	073 10 44
Facility Latitude:	40 45 05	Facility Longitude:	073 13 14
Facility Latitude:	40 45 05	Facility Longitude:	073 13 14
Facility Latitude:	40 45 05	Facility Longitude:	073 13 14
Facility Latitude:	40 45 05	Facility Longitude:	073 13 14
Facility Latitude:	40 43 57	Facility Longitude:	073 18 14
Facility Latitude:	40 43 57	Facility Longitude:	073 18 14
Facility Latitude:	40 46 59	Facility Longitude:	073 16 37
Facility Latitude:	40 46 59	Facility Longitude:	073 16 37
Facility Latitude:	40 46 59	Facility Longitude:	073 16 37

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	40 48 02	Facility Longitude:	073 10 02
Facility Latitude:	40 48 02	Facility Longitude:	073 10 02
Facility Latitude:	40 47 52	Facility Longitude:	073 13 14
Facility Latitude:	40 47 52	Facility Longitude:	073 13 14
Facility Latitude:	40 47 52	Facility Longitude:	073 13 14
Facility Latitude:	40 45 11	Facility Longitude:	073 11 23
Facility Latitude:	40 45 11	Facility Longitude:	073 11 23
Facility Latitude:	40 43 07	Facility Longitude:	073 08 52
Facility Latitude:	40 44 32	Facility Longitude:	073 15 11
Facility Latitude:	40 44 32	Facility Longitude:	073 15 11
Facility Latitude:	40 48 02	Facility Longitude:	073 12 27
Facility Latitude:	40 48 02	Facility Longitude:	073 12 27
Facility Latitude:	40 43 26	Facility Longitude:	073 17 38
Facility Latitude:	40 43 26	Facility Longitude:	073 17 38
Facility Latitude:	40 44 20	Facility Longitude:	073 17 18
Facility Latitude:	40 44 20	Facility Longitude:	073 17 18
Facility Latitude:	40 42 23	Facility Longitude:	073 19 03
Facility Latitude:	40 42 23	Facility Longitude:	073 19 03
Facility Latitude:	40 42 23	Facility Longitude:	073 19 03
Facility Latitude:	40 42 23	Facility Longitude:	073 19 03
Facility Latitude:	40 41 58	Facility Longitude:	073 21 22
Facility Latitude:	40 42 00	Facility Longitude:	073 21 25
Facility Latitude:	40 42 00	Facility Longitude:	073 21 25
Facility Latitude:	40 40 46	Facility Longitude:	073 25 20
Facility Latitude:	40 40 46	Facility Longitude:	073 25 20
Facility Latitude:	40 40 46	Facility Longitude:	073 25 20
Facility Latitude:	40 42 05	Facility Longitude:	073 24 22
Facility Latitude:	40 42 05	Facility Longitude:	073 24 22
Facility Latitude:	40 42 05	Facility Longitude:	073 24 22
Facility Latitude:	40 42 05	Facility Longitude:	073 24 22
Facility Latitude:	40 42 05	Facility Longitude:	073 24 22
Facility Latitude:	40 42 05	Facility Longitude:	073 24 22
Facility Latitude:	40 44 02	Facility Longitude:	073 19 34
Facility Latitude:	40 44 02	Facility Longitude:	073 19 34
Facility Latitude:	40 44 02	Facility Longitude:	073 19 34
Facility Latitude:	40 44 02	Facility Longitude:	073 19 34
Facility Latitude:	40 42 32	Facility Longitude:	073 20 43
Facility Latitude:	40 42 32	Facility Longitude:	073 20 43
Facility Latitude:	40 42 32	Facility Longitude:	073 20 43
Facility Latitude:	40 42 32	Facility Longitude:	073 20 43
Facility Latitude:	40 47 07	Facility Longitude:	073 18 58
Facility Latitude:	40 47 07	Facility Longitude:	073 18 58
Facility Latitude:	40 40 50	Facility Longitude:	073 22 56
Facility Latitude:	40 40 50	Facility Longitude:	073 22 56
Facility Latitude:	40 40 50	Facility Longitude:	073 22 56
Facility Latitude:	40 43 24	Facility Longitude:	073 22 25
Facility Latitude:	40 43 24	Facility Longitude:	073 22 25
Facility Latitude:	40 43 24	Facility Longitude:	073 22 25
Facility Latitude:	40 43 24	Facility Longitude:	073 22 25
Facility Latitude:	40 43 24	Facility Longitude:	073 22 25
Facility Latitude:	40 45 21	Facility Longitude:	073 22 39
Facility Latitude:	40 45 21	Facility Longitude:	073 22 39
Facility Latitude:	40 40 49	Facility Longitude:	073 23 23
Facility Latitude:	40 48 20	Facility Longitude:	073 07 40
Facility Latitude:	40 48 20	Facility Longitude:	073 07 40
Facility Latitude:	40 51 04	Facility Longitude:	073 05 11
Facility Latitude:	40 51 04	Facility Longitude:	073 05 11

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	40 47 53	Facility Longitude:	073 02 50
Facility Latitude:	40 47 53	Facility Longitude:	073 02 50
Facility Latitude:	40 47 53	Facility Longitude:	073 02 50
Facility Latitude:	40 48 05	Facility Longitude:	073 05 14
Facility Latitude:	40 48 05	Facility Longitude:	073 05 14
Facility Latitude:	40 47 37	Facility Longitude:	072 56 52
Facility Latitude:	40 47 37	Facility Longitude:	072 56 52
Facility Latitude:	40 47 37	Facility Longitude:	072 56 52
Facility Latitude:	40 50 38	Facility Longitude:	073 03 30
Facility Latitude:	40 50 38	Facility Longitude:	073 03 30
Facility Latitude:	40 49 03	Facility Longitude:	073 03 31
Facility Latitude:	40 46 16	Facility Longitude:	073 03 57
Facility Latitude:	40 46 16	Facility Longitude:	073 03 57
Facility Latitude:	40 46 16	Facility Longitude:	073 03 57
Facility Latitude:	40 47 15	Facility Longitude:	072 59 59
Facility Latitude:	40 47 15	Facility Longitude:	072 59 59
Facility Latitude:	40 47 15	Facility Longitude:	072 59 59
Facility Latitude:	40 47 15	Facility Longitude:	072 59 59
Facility Latitude:	40 46 32	Facility Longitude:	073 07 06
Facility Latitude:	40 46 32	Facility Longitude:	073 07 06
Facility Latitude:	40 46 32	Facility Longitude:	073 07 06
Facility Latitude:	40 46 32	Facility Longitude:	073 07 06
Facility Latitude:	40 49 45	Facility Longitude:	072 59 15
Facility Latitude:	40 49 55	Facility Longitude:	072 58 39
Facility Latitude:	40 49 51	Facility Longitude:	073 04 30
Facility Latitude:	40 49 51	Facility Longitude:	073 04 30
Facility Latitude:	40 49 36	Facility Longitude:	073 06 04
Facility Latitude:	40 49 36	Facility Longitude:	073 06 04
Facility Latitude:	40 49 36	Facility Longitude:	073 06 04
Facility Latitude:	40 49 36	Facility Longitude:	073 06 04
Facility Latitude:	40 49 36	Facility Longitude:	073 06 04
Facility Latitude:	40 52 44	Facility Longitude:	072 58 50
Facility Latitude:	40 44 55	Facility Longitude:	073 03 33
Facility Latitude:	40 44 55	Facility Longitude:	073 03 33
Facility Latitude:	40 45 54	Facility Longitude:	072 56 19
Facility Latitude:	40 45 54	Facility Longitude:	072 56 19
Facility Latitude:	41 02 28	Facility Longitude:	071 56 31
Facility Latitude:	41 02 42	Facility Longitude:	071 55 44
Facility Latitude:	40 53 32	Facility Longitude:	072 24 22
Facility Latitude:	41 02 00	Facility Longitude:	071 57 36
Facility Latitude:	41 03 26	Facility Longitude:	071 56 49
Facility Latitude:	41 03 22	Facility Longitude:	071 56 43
Facility Latitude:	40 59 00	Facility Longitude:	072 06 24
Facility Latitude:	40 59 00	Facility Longitude:	072 06 24
Facility Latitude:	40 59 20	Facility Longitude:	072 17 05
Facility Latitude:	40 59 20	Facility Longitude:	072 17 05
Facility Latitude:	40 59 20	Facility Longitude:	072 17 05
Facility Latitude:	41 03 16	Facility Longitude:	071 56 47
Facility Latitude:	40 58 16	Facility Longitude:	072 10 06
Facility Latitude:	40 58 39	Facility Longitude:	072 11 45
Facility Latitude:	40 58 39	Facility Longitude:	072 11 45
Facility Latitude:	41 02 56	Facility Longitude:	071 57 18
Facility Latitude:	41 03 05	Facility Longitude:	071 57 02
Facility Latitude:	40 57 18	Facility Longitude:	072 12 29
Facility Latitude:	40 57 18	Facility Longitude:	072 12 29
Facility Latitude:	40 51 58	Facility Longitude:	073 25 48
Facility Latitude:	40 54 11	Facility Longitude:	072 23 28

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	40 54 13	Facility Longitude:	072 23 28
Facility Latitude:	40 54 13	Facility Longitude:	072 23 28
Facility Latitude:	40 54 13	Facility Longitude:	072 23 28
Facility Latitude:	40 54 13	Facility Longitude:	072 23 28
Facility Latitude:	40 58 44	Facility Longitude:	072 08 24
Facility Latitude:	40 58 44	Facility Longitude:	072 08 24
Facility Latitude:	40 53 57	Facility Longitude:	073 18 27
Facility Latitude:	40 53 16	Facility Longitude:	073 23 41
Facility Latitude:	40 53 16	Facility Longitude:	073 23 41
Facility Latitude:	40 51 40	Facility Longitude:	073 19 07
Facility Latitude:	40 51 40	Facility Longitude:	073 19 07
Facility Latitude:	40 54 36	Facility Longitude:	073 19 47
Facility Latitude:	40 54 36	Facility Longitude:	073 19 47
Facility Latitude:	40 52 54	Facility Longitude:	073 26 36
Facility Latitude:	40 54 13	Facility Longitude:	073 20 51
Facility Latitude:	40 53 35	Facility Longitude:	073 20 24
Facility Latitude:	40 53 35	Facility Longitude:	073 20 24
Facility Latitude:	40 49 57	Facility Longitude:	073 17 04
Facility Latitude:	40 49 57	Facility Longitude:	073 17 04
Facility Latitude:	40 52 56	Facility Longitude:	073 20 28
Facility Latitude:	40 52 56	Facility Longitude:	073 20 28
Facility Latitude:	40 51 35	Facility Longitude:	073 23 56
Facility Latitude:	40 51 35	Facility Longitude:	073 23 56
Facility Latitude:	40 51 35	Facility Longitude:	073 23 56
Facility Latitude:	40 54 01	Facility Longitude:	073 27 59
Facility Latitude:	40 53 05	Facility Longitude:	073 17 49
Facility Latitude:	40 53 05	Facility Longitude:	073 17 49
Facility Latitude:	40 53 43	Facility Longitude:	073 20 39
Facility Latitude:	40 53 43	Facility Longitude:	073 20 39
Facility Latitude:	40 52 32	Facility Longitude:	073 22 15
Facility Latitude:	40 52 32	Facility Longitude:	073 22 15
Facility Latitude:	40 51 17	Facility Longitude:	073 26 15
Facility Latitude:	40 51 17	Facility Longitude:	073 26 15
Facility Latitude:	40 51 21	Facility Longitude:	073 27 32
Facility Latitude:	40 53 09	Facility Longitude:	073 22 34
Facility Latitude:	40 52 57	Facility Longitude:	073 23 03
Facility Latitude:	40 52 57	Facility Longitude:	073 23 03
Facility Latitude:	40 52 48	Facility Longitude:	073 25 18
Facility Latitude:	40 52 48	Facility Longitude:	073 25 18
Facility Latitude:	40 52 48	Facility Longitude:	073 25 18
Facility Latitude:	40 42 11	Facility Longitude:	073 25 01
Facility Latitude:	40 42 11	Facility Longitude:	073 25 01
Facility Latitude:	40 43 05	Facility Longitude:	073 21 57
Facility Latitude:	40 43 50	Facility Longitude:	073 21 57
Facility Latitude:	40 46 05	Facility Longitude:	073 17 46
Facility Latitude:	40 46 05	Facility Longitude:	073 17 46
Facility Latitude:	40 45 39	Facility Longitude:	073 21 01
Facility Latitude:	40 45 39	Facility Longitude:	073 21 01
Facility Latitude:	40 41 18	Facility Longitude:	073 22 45
Facility Latitude:	40 43 20	Facility Longitude:	073 20 19
Facility Latitude:	40 43 20	Facility Longitude:	073 20 19
Facility Latitude:	40 43 20	Facility Longitude:	073 20 19
Facility Latitude:	40 44 30	Facility Longitude:	073 21 16
Facility Latitude:	40 44 30	Facility Longitude:	073 21 16
Facility Latitude:	40 45 01	Facility Longitude:	073 18 22
Facility Latitude:	40 45 01	Facility Longitude:	073 18 22

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Facility Latitude:	40 45 01	Facility Longitude:	073 18 22
Facility Latitude:	40 45 01	Facility Longitude:	073 18 22
City Served:	ISLIP (T)		
Treatment Class	Not Reported	Population:	Not Reported
PWS currently has or had major violation(s) or enforcement:		No	

B5
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2118590

Agency cd:	USGS	Site no:	404204073242001
Site name:	S 47886. 1		
Latitude:	404204		
Longitude:	0732420	Dec lat:	40.7012111
Dec lon:	-73.40512226	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 286 4	Map scale:	Not Reported
Altitude:	43.0	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:	19730813
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:	MAGOTHY AQUIFER		
Well depth:	509.	Hole depth:	523.
Source of depth data:	Not Reported		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1973-07-18
Water quality data end date:	1996-02-27	Water quality data count:	10
Ground water data begin date:	1979-03-19	Ground water data end date:	1985-04-12
Ground water data count:	4		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-04-12		24.64	1985-04-12		24.67
1982-03-09		23.94	1979-03-19		20.49

B6
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006404

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Id: NY5110526
System Id: 062
Type: WL
County: SUFFOLK COUNTY
Longitude: 732422 000
Agency: RANDAZZO, KAREN
Address: PO BOX 18043
City/State/Zip: HAUPPAUGUE NY 11788
Phone: 631-563-0258

System name: SUFFOLK COUNTY WATER AUTHORITY
Well name: ALBANY AVENUE WELL # 1 S-12016
Active?: A
Latitude: 404205 000
Slec_type_: AC

B7
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006403

Well Id: NY5110526
System Id: 065
Type: WL
County: SUFFOLK COUNTY
Longitude: 732422 000
Agency: RANDAZZO, KAREN
Address: PO BOX 18043
City/State/Zip: HAUPPAUGUE NY 11788
Phone: 631-563-0258

System name: SUFFOLK COUNTY WATER AUTHORITY
Well name: ALBANY AVENUE WELL # 4 S-34595
Active?: A
Latitude: 404205 000
Slec_type_: AC

B8
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006402

Well Id: NY5110526
System Id: 067
Type: WL
County: SUFFOLK COUNTY
Longitude: 732422 000
Agency: MURRAY, ROBERT L.
Address: 180 Fifth Avenue
City/State/Zip: BAYSHORE NY 11706
Phone: 631-665-0662

System name: SUFFOLK COUNTY WATER AUTHORITY
Well name: ALBANY AVENUE WELL #6 S-63205
Active?: A
Latitude: 404205 000
Slec_type_: AC

B9
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006407

Well Id: NY5110526
System Id: 063
Type: WL
County: SUFFOLK COUNTY
Longitude: 732422 000
Agency: RANDAZZO, KAREN
Address: PO BOX 18043
City/State/Zip: HAUPPAUGUE NY 11788
Phone: 631-563-0258

System name: SUFFOLK COUNTY WATER AUTHORITY
Well name: ALBANY AVENUE. WELL # 2 S-14218
Active?: A
Latitude: 404205 000
Slec_type_: AC

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B10
SSW
 1/4 - 1/2 Mile
 Lower

NY WELLS NYWS006406

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	062	Well name:	ALBANY AVENUE WELL # 1 S-12016
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

B11
SSW
 1/4 - 1/2 Mile
 Lower

NY WELLS NYWS006405

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	063	Well name:	ALBANY AVENUE. WELL # 2 S-14218
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

B12
SSW
 1/4 - 1/2 Mile
 Lower

NY WELLS NYWS006398

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	066	Well name:	ALBANY AVENUE WELL #5 S-47886
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	RANDAZZO, KAREN		
Address:	PO BOX 18043		
City/State/Zip:	HAUPPAUGUE NY 11788		
Phone:	631-563-0258		

B13
SSW
 1/4 - 1/2 Mile
 Lower

NY WELLS NYWS006397

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	066	Well name:	ALBANY AVENUE WELL #5 S-47886
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

B14
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006396

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	067	Well name:	ALBANY AVENUE WELL #6 S-63205
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	RANDAZZO, KAREN		
Address:	PO BOX 18043		
City/State/Zip:	HAUPPAUGUE NY 11788		
Phone:	631-563-0258		

B15
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006401

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	065	Well name:	ALBANY AVENUE WELL # 4 S-34595
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

B16
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006400

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	064	Well name:	ALBANY AVENUE WELL # 3 S-15499
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	RANDAZZO, KAREN		
Address:	PO BOX 18043		
City/State/Zip:	HAUPPAUGUE NY 11788		
Phone:	631-563-0258		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B17
SSW
1/4 - 1/2 Mile
Lower

NY WELLS NYWS006399

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	064	Well name:	ALBANY AVENUE WELL # 3 S-15499
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404205 000
Longitude:	732422 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

B18
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2118577

Agency cd:	USGS	Site no:	404203073242202
Site name:	S 34595. 1		
Latitude:	404204		
Longitude:	0732422	Dec lat:	40.7012111
Dec lon:	-73.40567783	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 286 4156	Map scale:	Not Reported
Altitude:	43.6	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:	196904
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:	MAGOTHY AQUIFER		
Well depth:	482.	Hole depth:	513.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1972-09-21
Water quality data end date:	1985-05-07	Water quality data count:	13
Ground water data begin date:	1976-00-00	Ground water data end date:	1982-03-09
Ground water data count:	5		

Ground-water levels, Number of Measurements: 5

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----			-----		
1982-03-09		22.40			

Note: A nearby site that taps the same aquifer was being pumped.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-03-09		17.40			
1980-03-10		18.05			
Note: A nearby site that taps the same aquifer was being pumped.					
1978-08-13		17.10			
Note: A nearby site that taps the same aquifer was being pumped.					
1976		25.07			

B19
South
1/4 - 1/2 Mile
Lower

FED USGS USGS2118576

Agency cd:	USGS	Site no:	404203073242201
Site name:	S 15499. 1		
Latitude:	404203		
Longitude:	0732419	Dec lat:	40.70093332
Dec lon:	-73.40484448	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 286 4166	Map scale:	Not Reported
Altitude:	42.0	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:	19570111
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:	GLACIAL AQUIFER,UPPER		
Well depth:	87.	Hole depth:	89.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1959-01-23
Water quality data end date:	1979-11-04	Water quality data count:	113
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

20
East
1/4 - 1/2 Mile
Higher

FED USGS USGS2118378

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	404225073234201
Site name:	S 10314. 1		
Latitude:	404225		
Longitude:	0732342	Dec lat:	40.70704427
Dec lon:	-73.3945663	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 334	Map scale:	Not Reported
Altitude:	48.0	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:	GLACIAL AQUIFER,UPPER		
Well depth:	44.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1958-01-29	Ground water data end date:	2004-03-16
Ground water data count:	260		

Ground-water levels, Number of Measurements: 260

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-16		31.08	2003-03-20		31.80
2002-03-21		27.07	2001-03-19		31.38
2000-03-20		30.61	1999-03-23		32.32
1998-03-20		34.09	1997-03-12		32.37
1996-03-13		30.29	1995-03-24		29.56
1994-03-30		32.53	1992-03-16		30.87
1991-03-20		34.34	1990-03-28		32.81
1986-01-02		29.46	1985-11-07		29.56
1985-08-22		29.66	1985-07-08		31.66
1985-01-31		31.86	1984-09-10		36.56
1984-05-23		35.95	1984-04-09		36.33
1984-03-26		36.31	1983-11-01		31.43
1983-10-05		31.36	1983-09-02		31.89
1983-08-02		33.03	1983-06-27		34.55
1983-06-01		36.45	1983-05-02		36.27
1983-04-07		32.62	1983-03-03		30.58
1983-02-04		30.67	1983-01-03		30.20
1982-11-03		30.90	1982-09-30		31.72
1982-03-30		32.92	1981-09-12		30.89
1981-06-27		31.56	1981-05-30		30.90
1981-03-09		31.76	1981-01-27		30.96
1980-12-10		31.56	1980-09-23		31.90
1980-08-29		32.48	1980-07-30		33.36
1980-06-14		34.93	1980-04-22		36.83
1980-02-26		30.91	1980-01-17		32.59

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-11-20		32.92	1979-10-29		33.32
1979-08-23		33.50	1979-06-27		35.15
1979-06-05		35.90	1979-04-16		35.65
1979-03-19		36.63	1978-11-29		31.14
1978-09-29		32.18	1978-08-03		32.54
1978-05-30		34.51	1978-05-01		33.91
1978-03-31		35.34	1978-02-03		36.00
1977-11-15		30.60	1977-08-29		30.63
1977-07-27		31.06	1977-06-21		31.81
1977-03-19		31.04	1976-12-04		31.01
1976-10-30		21.53	1976-08-07		31.23
1976-06-19		32.30	1976-05-22		32.63
1976-04-24		33.39	1976-03-20		33.83
1976-03-03		89.61	1976-02-14		34.14
1976-01-17		33.25	1975-12-06		32.16
1975-11-15		32.04	1975-10-04		32.04
1975-08-30		32.11	1975-07-26		33.26
1975-06-21		33.76	1975-05-31		32.26
1975-05-03		31.96	1975-03-22		31.76
1975-01-25		30.01	1974-12-29		28.61
1974-10-26		29.71	1974-09-28		30.16
1974-08-31		30.26	1974-07-27		31.16
1974-06-22		32.16	1974-05-25		32.96
1974-04-27		33.56	1974-04-06		33.06
1974-03-02		32.06	1974-01-19		31.76
1973-12-22		31.56	1973-11-16		31.41
1973-10-27		30.61	1973-09-29		31.16
1973-08-25		32.26	1973-07-28		33.88
1973-06-23		34.16	1973-05-26		34.96
1973-05-05		35.46	1973-03-31		34.46
1973-01-20		33.01	1972-12-23		32.61
1972-11-18		31.46	1972-10-28		30.86
1972-09-23		30.86	1972-08-26		31.86
1972-07-22		33.26	1972-06-24		33.56
1972-05-27		33.21	1972-04-22		32.61
1972-03-25		32.47	1972-03-04		31.75
1972-01-21		31.15	1971-12-18		31.01
1971-11-20		29.56	1971-10-31		29.71
1971-09-25		30.06	1971-08-21		29.75
1971-07-24		30.05	1971-06-12		31.11
1971-05-15		32.50	1971-04-10		31.61
1971-03-13		31.21	1970-09-26		30.36
1970-03-02		31.26	1970-01-04		30.96
1969-11-29		30.16	1969-10-25		30.36
1969-09-27		30.91	1969-08-29		31.16
1969-07-26		30.36	1969-06-28		30.86
1969-05-24		31.56	1969-04-25		31.61
1969-03-29		31.01	1969-02-21		30.26
1969-01-18		30.56	1968-12-21		30.61
1968-11-23		29.76	1968-10-26		29.36
1968-09-21		29.86	1968-08-17		30.01
1968-07-20		30.56	1968-06-22		31.16
1968-05-25		30.76	1968-04-20		31.41
1968-03-18		30.88	1968-02-17		30.86
1968-01-20		30.61	1967-12-16		30.21

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1967-11-18		30.26	1967-10-21		30.93
1967-09-23		31.51	1967-08-19		31.76
1967-07-21		31.46	1967-06-17		31.01
1967-05-20		31.51	1967-04-22		30.76
1967-03-25		29.81	1967-02-25		28.21
1967-01-20		28.26	1966-12-17		28.06
1966-11-19		28.26	1966-10-21		28.31
1966-09-17		27.83	1966-08-20		27.92
1966-07-23		28.43	1966-06-25		29.16
1966-05-21		28.81	1966-04-23		28.51
1966-03-19		28.86	1966-02-19		28.36
1966-01-18		27.76	1965-12-27		27.93
1965-11-20		28.15	1965-10-02		28.73
1965-09-15		28.99	1965-08-07		29.36
1965-07-10		26.97	1965-06-05		30.78
1965-05-08		31.34	1965-04-10		31.11
1965-03-13		31.31	1965-01-23		30.11
1964-12-19		29.96	1964-11-14		29.46
1964-10-19		29.87	1964-09-12		30.06
1964-08-08		30.96	1964-07-11		31.60
1964-06-13		32.13	1964-05-08		33.13
1964-04-11		31.74	1964-03-07		31.88
1964-01-18		30.40	1963-12-14		30.38
1963-11-15		30.22	1963-10-12		30.11
1963-09-21		30.44	1963-07-29		31.01
1963-07-07		32.36	1963-06-01		32.41
1963-04-26		32.99	1963-03-09		33.24
1963-02-02		32.12	1963-01-05		32.04
1962-12-08		32.29	1962-11-01		31.24
1962-09-08		31.31	1962-07-28		31.66
1962-07-02		32.37	1962-06-06		32.74
1961-12-09		31.81	1961-10-21		33.58
1961-09-16		33.64	1961-06-23		34.97
1961-05-20		35.74	1961-02-25		33.85
1961-01-14		33.62	1960-11-19		33.58
1960-09-24		34.14	1960-08-04		32.66
1960-06-25		32.69	1960-06-04		33.18
1960-04-30		33.62	1960-03-19		33.49
1960-02-13		32.70	1960-01-09		31.74
1959-12-05		31.59	1959-10-31		31.73
1959-09-26		32.44	1959-08-29		33.26
1959-07-25		33.61	1959-06-27		32.96
1959-06-02		33.28	1959-05-02		34.09
1959-03-27		33.79	1959-02-28		33.06
1959-01-31		33.10	1958-12-30		33.29
1958-10-30		33.54	1958-09-30		33.16
1958-09-02		33.66	1958-07-28		34.42
1958-06-27		35.33	1958-05-26		36.42
1958-05-01		36.03	1958-03-28		35.37
1958-02-24		32.95	1958-01-29		32.87

B21
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2118560

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	404202073242301
Site name:	S 12016. 1		
Latitude:	404203		
Longitude:	0732422	Dec lat:	40.70093333
Dec lon:	-73.40567784	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 286	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Southern Long Island. New York. Area = 1660 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19540611
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:	GLACIAL AQUIFER,UPPER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1972-09-27
Water quality data end date:	1976-04-21	Water quality data count:	10
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

B22
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS2118759

Agency cd:	USGS	Site no:	404201073242301
Site name:	S 14218. 1		
Latitude:	404203		
Longitude:	0732424	Dec lat:	40.70093333
Dec lon:	-73.40623341	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 286 4156	Map scale:	Not Reported
Altitude:	35.0	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:	19550517
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:	GLACIAL AQUIFER,UPPER		
Well depth:	85.	Hole depth:	87.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1979-11-09
 Ground water data begin date: 0000-00-00
 Ground water data count: 0

Water quality data begin date: 1959-01-23
 Water quality data count: 113
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

23
West
1/4 - 1/2 Mile
Lower

FED USGS USGS2118389

Agency cd:	USGS	Site no:	404226073244601
Site name:	S 16479. 1		
Latitude:	404226		
Longitude:	0732446	Dec lat:	40.70732215
Dec lon:	-73.41234465	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 272	Map scale:	Not Reported
Altitude:	44.0	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:	GLACIAL AQUIFER,UPPER		
Well depth:	44.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1958-01-30	Water quality data count:	0
Ground water data count:	219	Ground water data end date:	1986-01-02

Ground-water levels, Number of Measurements: 219

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1986-01-02		31.54	1985-11-07		32.34
1985-08-22		34.04	1985-07-08		35.24
1985-01-31		35.74	1984-09-10		40.04
1984-05-23		39.41	1984-04-09		40.19
1984-03-26		39.18	1983-11-01		35.42
1983-10-05		35.37	1983-09-02		36.96
1983-08-02		37.04	1983-06-27		37.56
1983-06-01		40.08	1983-05-02		40.01
1983-04-07		36.78	1983-03-03		34.51
1983-02-04		34.08	1983-01-03		33.78
1982-11-03		34.26	1982-09-30		35.05
1982-03-30		36.58	1981-09-12		34.40
1981-06-27		35.34	1981-05-30		35.23

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-03-09		35.34	1981-01-27		34.74
1980-12-10		35.39	1980-09-23		36.07
1980-08-29		36.71	1980-07-30		36.94
1980-06-14		38.53	1980-04-22		39.54
1980-02-26		35.55	1980-01-17		36.19
1979-11-20		36.53	1979-10-29		37.10
1979-08-23		36.76	1979-06-27		44.53
1979-06-05		39.69	1979-04-16		39.18
1979-03-19		40.03	1978-11-29		33.42
1978-09-29		34.87	1978-08-03		35.85
1978-05-30		38.07	1978-05-01		38.29
1978-03-31		39.18	1978-02-03		39.86
1977-11-15		34.91	1977-08-29		34.40
1977-07-27		35.02	1977-06-21		35.27
1977-03-19		34.47	1976-12-04		34.52
1976-10-30		35.10	1976-08-07		34.85
1976-06-19		36.17	1976-05-22		36.84
1976-04-24		36.53	1976-03-20		37.81
1976-02-14		38.14	1976-01-17		37.29
1975-12-06		36.26	1975-11-15		36.06
1975-10-04		36.37	1975-08-30		36.64
1975-07-26		37.47	1975-06-21		38.64
1975-05-31		36.84	1975-05-03		31.84
1975-03-22		36.34	1975-01-25		34.89
1974-12-29		34.34	1974-10-26		33.99
1974-09-28		34.19	1974-08-31		34.04
1974-07-27		35.04	1974-06-22		36.09
1974-05-25		37.29	1974-04-27		37.29
1974-04-06		37.04	1974-03-02		35.84
1974-01-19		35.59	1973-12-22		34.34
1973-11-16		34.39	1973-10-27		34.64
1973-09-29		35.54	1973-08-25		36.79
1973-07-28		38.09	1973-06-23		38.14
1973-05-26		38.84	1973-05-05		39.24
1973-03-31		38.59	1973-01-20		37.54
1972-12-23		37.34	1972-11-18		36.34
1972-10-28		35.24	1972-09-23		35.34
1972-08-26		36.24	1972-07-22		37.79
1972-06-24		37.74	1972-05-27		37.24
1972-04-22		35.39	1972-03-25		36.27
1972-03-04		35.33	1972-01-21		34.64
1971-12-18		34.54	1971-11-20		33.02
1971-10-31		33.19	1971-09-25		33.34
1971-08-21		33.61	1971-07-24		33.89
1971-06-12		34.89	1971-05-15		35.24
1971-04-10		35.34	1971-03-13		34.96
1970-09-26		33.99	1970-03-02		35.14
1969-09-27		34.09	1969-03-29		34.39
1968-09-21		33.29	1968-03-16		34.14
1967-08-19		34.79	1967-07-21		34.74
1967-06-17		34.34	1967-05-20		34.79
1967-04-22		33.94	1967-03-25		32.84
1967-02-27		30.89	1967-01-20		30.87
1966-12-17		30.59	1966-10-21		30.84
1966-09-17		30.64	1966-08-20		26.37

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1966-07-23		31.34	1966-06-25		32.09
1966-05-21		31.59	1966-04-23		31.18
1966-03-19		31.49	1966-02-19		30.94
1966-01-18		30.54	1965-12-27		30.89
1965-11-20		31.12	1965-10-02		31.79
1965-09-05		32.09	1965-08-07		32.68
1965-07-10		33.24	1965-06-05		34.14
1965-05-08		34.69	1965-04-10		34.34
1965-03-13		34.34	1965-01-23		33.18
1964-12-19		32.79	1964-11-14		32.67
1964-10-19		31.11	1964-09-12		33.24
1964-08-08		34.24	1964-07-11		34.90
1964-06-13		35.64	1964-05-08		36.54
1964-04-11		35.70	1964-03-07		35.16
1964-01-18		33.85	1963-12-14		33.36
1963-11-15		33.24	1963-10-12		33.29
1963-09-21		33.69	1963-07-09		35.94
1963-06-01		35.86	1963-04-26		36.19
1963-03-09		36.61	1963-02-02		35.40
1963-01-05		35.36	1962-11-01		34.48
1962-09-29		34.48	1962-09-08		34.67
1962-07-28		34.98	1962-07-02		35.69
1962-06-06		36.27	1962-01-20		36.82
1961-12-09		35.19	1961-10-21		36.69
1961-09-16		36.86	1961-08-09		37.92
1961-05-20		38.84	1961-03-04		38.29
1961-01-14		37.27	1960-11-19		37.17
1960-09-24		37.27	1960-08-04		35.77
1960-06-25		36.27	1960-06-04		36.77
1960-04-30		37.00	1960-03-19		36.92
1960-02-13		36.11	1960-01-09		35.77
1959-12-05		34.96	1959-10-31		35.04
1959-09-26		36.76	1959-08-29		36.52
1959-07-25		37.07	1959-06-27		36.21
1959-06-02		36.75	1959-05-02		37.57
1959-03-27		36.89	1959-02-28		36.58
1959-02-14		36.55	1958-12-29		36.92
1958-10-30		37.14	1958-09-30		36.57
1958-07-28		37.92	1958-06-27		38.97
1958-05-26		40.20	1958-04-30		39.66
1958-03-27		38.74	1958-02-24		36.15
1958-01-30		35.86			

24
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2118561

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	404202073242302
Site name:	S 63205. 1		
Latitude:	404202		
Longitude:	0732427	Dec lat:	40.70065557
Dec lon:	-73.40706677	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 276 4156	Map scale:	Not Reported
Altitude:	40.0	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:	MAGOTHY AQUIFER		
Well depth:	419.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	1985-05-08	Water quality data begin date:	1979-11-11
Ground water data begin date:	0000-00-00	Water quality data count:	6
Ground water data count:	0	Ground water data end date:	0000-00-00

Ground-water levels, Number of Measurements: 0

25
SSE
1/2 - 1 Mile
Lower

FED USGS USGS2118713

Agency cd:	USGS	Site no:	404156073235101
Site name:	S 16481. 1		
Latitude:	404156		
Longitude:	0732351	Dec lat:	40.69898886
Dec lon:	-73.39706647	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 318	Map scale:	Not Reported
Altitude:	41.0	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:	GLACIAL AQUIFER,UPPER		
Well depth:	45.	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
		Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1958-01-29
 Ground water data count: 144

Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1974-05-25

Ground-water levels, Number of Measurements: 144

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1974-05-25		27.33	1974-04-27		28.18
1974-04-06		27.63	1974-03-02		26.63
1974-01-19		26.28	1973-12-22		25.03
1973-11-16		25.03	1973-10-27		25.13
1973-09-29		25.68	1973-08-25		26.58
1973-07-28		28.28	1973-06-23		28.83
1973-05-26		29.63	1973-05-05		30.23
1973-03-31		29.33	1973-01-20		28.03
1972-12-23		27.88	1972-11-18		26.33
1972-10-28		25.83	1972-09-23		25.78
1972-08-26		26.78	1972-07-22		28.48
1972-06-24		28.38	1972-05-27		28.28
1972-04-22		27.23	1972-03-25		27.63
1972-03-04		26.80	1972-01-21		26.25
1971-12-18		26.13	1971-11-20		24.59
1971-10-31		24.71	1971-09-25		24.88
1971-08-21		24.82	1971-07-24		25.00
1971-06-12		26.18	1971-05-15		26.63
1971-04-10		26.73	1971-03-13		26.46
1970-09-26		25.08	1970-03-02		26.13
1969-09-27		25.93	1969-03-29		26.23
1968-09-21		24.78	1968-03-16		25.93
1967-12-16		25.03	1967-11-18		25.03
1967-10-21		25.68	1967-09-23		26.28
1967-08-19		26.48	1967-07-21		26.53
1967-06-17		26.46	1967-05-20		26.88
1967-04-22		26.03	1967-03-25		25.53
1967-02-25		23.63	1967-01-20		23.61
1966-12-17		23.23	1966-11-19		23.53
1966-10-21		23.23	1966-09-17		22.83
1966-07-23		23.47	1966-06-25		24.41
1966-05-21		23.93	1966-04-23		23.73
1966-03-19		23.98	1966-02-19		23.18
1966-01-18		22.83	1965-12-27		22.93
1965-11-20		23.07	1965-10-02		23.56
1965-09-15		23.83	1965-08-07		24.23
1965-07-10		24.79	1965-06-05		25.68
1965-05-08		26.28	1965-04-10		25.88
1965-03-13		26.23	1965-01-23		25.18
1964-11-14		24.58	1964-10-19		24.60
1964-09-12		24.59	1964-08-08		25.49
1964-07-11		25.99	1964-06-13		26.73
1964-05-08		27.79	1964-04-11		27.07
1964-03-07		26.55	1964-01-18		25.23
1963-12-14		25.37	1963-11-15		24.61
1963-10-12		24.66	1963-09-21		24.84
1963-07-29		25.33	1963-07-07		26.13
1963-06-01		26.68	1963-04-26		27.76
1963-03-09		27.85	1963-02-02		26.60
1963-01-05		26.51	1962-12-08		26.83

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1962-11-01		25.64	1962-09-08		25.66
1962-07-28		25.89	1962-07-02		26.58
1962-06-06		27.10	1961-12-09		26.22
1961-10-21		27.51	1961-09-16		27.68
1961-08-09		28.62	1961-06-23		29.31
1961-05-20		30.24	1961-03-04		29.33
1961-01-14		28.31	1960-11-19		27.16
1960-09-24		28.55	1960-08-04		26.93
1960-06-25		27.31	1960-06-04		27.96
1960-04-30		28.35	1960-03-19		28.26
1960-02-13		27.49	1960-01-09		27.21
1959-12-05		26.25	1959-10-31		26.37
1959-09-26		27.10	1959-08-29		27.90
1959-07-25		28.26	1959-06-27		27.56
1959-06-02		28.08	1959-05-02		28.82
1959-03-27		28.55	1959-02-28		27.92
1959-01-31		27.83	1958-12-30		28.03
1958-10-30		28.10	1958-09-30		27.53
1958-08-26		28.14	1958-07-28		28.68
1958-06-27		29.73	1958-05-26		30.99
1958-05-01		30.55	1958-03-28		30.21
1958-02-24		27.91	1958-01-29		28.08

**C26
North
1/2 - 1 Mile
Higher**

FED USGS USGS2118098

Agency cd:	USGS	Site no:	404301073240902
Site name:	S 1805. 2		
Latitude:	404301		
Longitude:	0732409	Dec lat:	40.71704414
Dec lon:	-73.40206644	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SM 329 4 99	Map scale:	Not Reported
Altitude:	57.0	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:	GLACIAL AQUIFER,UPPER		
Well depth:	33.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1937-12-25
 Ground water data count: 32

Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1940-07-20

Ground-water levels, Number of Measurements: 32

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1940-07-20		43.12	1940-06-29		43.58
1940-05-25		43.72	1940-04-27		43.86
1940-03-30		42.57	1940-02-24		41.18
1940-01-27		41.42	1939-12-30		41.54
1939-11-25		42.21	1939-10-28		41.56
1939-09-30		41.77	1939-08-26		42.73
1939-07-29		43.50	1939-06-24		44.62
1939-05-27		45.46	1939-04-29		46.43
1939-03-31		46.33	1939-02-24		45.53
1939-01-27		44.18	1938-12-30		44.65
1938-11-25		44.63	1938-10-28		44.97
1938-09-30		46.01	1938-09-02		44.35
1938-07-29		45.42	1938-06-24		41.94
1938-05-28		42.03	1938-04-30		42.33
1938-03-26		42.06	1938-02-26		41.84
1938-01-29		41.60	1937-12-25		41.33

C27
North
1/2 - 1 Mile
Higher

FED USGS USGS2118099

Agency cd:	USGS	Site no:	404301073240903
Site name:	S 1805. 3		
Latitude:	404301		
Longitude:	0732409	Dec lat:	40.71704414
Dec lon:	-73.40206644	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SM 329 4 99	Map scale:	Not Reported
Altitude:	57.0	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:	GLACIAL AQUIFER,UPPER		
Well depth:	23.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1941-08-30	Ground water data end date:	1956-12-17
Ground water data count:	182		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 182

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1956-12-17		41.38	1956-11-28		41.31
1956-11-01		41.52	1956-09-28		42.07
1956-08-29		42.74	1956-07-30		43.53
1956-06-20		44.35	1956-05-29		44.72
1956-04-25		45.54	1956-03-27		44.97
1956-02-27		44.08	1956-01-26		43.07
1955-12-27		43.93	1955-11-29		44.68
1955-11-02		43.41	1955-09-30		42.42
1955-08-26		43.22	1955-07-26		41.16
1955-06-27		41.87	1955-05-27		42.64
1955-04-27		43.25	1955-03-24		43.10
1955-02-21		42.84	1955-01-25		43.34
1954-12-22		43.04	1954-11-22		41.88
1954-10-20		42.00	1954-09-27		42.53
1954-08-25		41.29	1954-07-28		41.59
1954-07-01		42.34	1954-05-28		43.09
1954-04-28		43.00	1954-03-26		42.57
1954-02-26		42.17	1954-01-28		42.46
1953-12-18		42.89	1953-11-27		41.53
1953-10-30		41.95	1953-08-25		43.87
1953-08-03		44.33	1953-06-24		45.57
1953-05-26		46.42	1953-04-28		47.17
1953-03-31		46.15	1953-02-27		43.51
1953-02-03		43.01	1952-12-22		41.80
1952-12-03		41.43	1952-11-05		42.04
1952-09-23		43.20	1952-08-26		43.95
1952-07-22		44.64	1952-06-23		45.56
1952-05-26		44.89	1952-04-22		44.01
1952-03-24		44.00	1952-02-25		43.41
1952-01-24		42.30	1951-12-17		40.78
1951-11-26		40.34	1951-10-30		39.69
1951-09-25		40.29	1951-08-28		40.97
1951-07-25		41.77	1951-06-28		42.44
1951-05-29		42.81	1951-04-24		43.18
1951-03-27		42.36	1951-02-20		40.94
1951-01-22		40.01	1950-12-21		39.43
1950-11-27		39.56	1950-10-25		40.11
1950-09-25		40.68	1950-08-31		41.11
1950-07-24		41.79	1950-06-26		42.26
1950-05-23		41.08	1950-04-25		41.24
1950-03-28		41.28	1950-02-21		41.23
1950-01-30		39.82	1949-12-27		39.90
1949-11-29		40.30	1949-10-24		42.19
1949-09-27		42.93	1949-08-22		43.21
1949-07-26		43.31	1949-06-28		44.25
1949-05-26		45.18	1949-04-27		45.15
1949-03-28		45.47	1949-02-23		45.15
1949-01-26		44.33	1948-12-28		41.65
1948-12-02		41.84	1948-10-25		42.57
1948-09-28		43.51	1948-08-26		44.66
1948-07-29		45.34	1948-06-29		45.25
1948-05-26		45.34	1948-04-28		44.89
1948-03-29		44.62	1948-02-26		43.60
1948-01-29		42.22	1947-12-22		41.52
1947-11-26		41.59	1947-10-27		40.54

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1947-10-01		41.19	1947-09-08		41.81
1947-07-28		42.85	1947-07-03		42.13
1947-06-03		42.59	1947-05-01		42.30
1947-04-01		40.85	1947-03-03		40.58
1947-01-30		40.70	1946-12-31		40.35
1946-11-29		40.79	1946-10-31		41.45
1946-09-27		42.09	1946-08-30		42.78
1946-07-26		43.39	1946-06-27		44.14
1946-06-05		43.99	1946-05-01		43.05
1946-04-04		43.43	1946-03-07		43.20
1946-02-06		43.10	1945-12-28		41.96
1945-11-27		40.84	1945-11-01		40.66
1945-10-03		41.28	1945-09-07		41.90
1945-08-01		42.42	1945-06-28		43.10
1945-05-30		43.67	1945-05-02		43.16
1945-03-28		43.35	1945-03-02		42.76
1945-02-02		42.47	1944-12-29		42.59
1944-11-30		41.29	1944-11-02		40.88
1944-09-29		41.66	1944-08-30		41.91
1944-06-29		44.00	1944-06-01		44.94
1944-04-29		45.62	1944-03-28		44.09
1944-03-03		42.63	1944-02-07		42.89
1943-12-31		41.92	1943-11-29		42.57
1943-11-01		41.61	1943-09-27		41.10
1943-08-30		41.16	1943-07-31		41.95
1943-06-26		42.73	1943-05-29		43.01
1943-05-01		41.18	1943-03-27		43.76
1943-02-27		42.88	1943-01-02		41.85
1942-11-28		41.03	1942-10-31		39.82
1942-10-03		42.24	1942-08-29		43.05
1942-08-01		41.69	1942-06-27		41.35
1942-05-30		41.40	1942-05-02		41.81
1942-03-28		41.62	1942-02-28		40.06
1942-01-31		39.22	1941-12-27		39.52
1941-11-29		39.64	1941-10-25		40.30
1941-09-27		40.94	1941-08-30		41.65

**C28
North
1/2 - 1 Mile
Higher**

FED USGS USGS2118100

Agency cd:	USGS	Site no:	404301073240904
Site name:	S 1805. 4		
Latitude:	404301		
Longitude:	0732409	Dec lat:	40.71704414
Dec lon:	-73.40206644	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SM 329 4 99	Map scale:	Not Reported
Altitude:	57.2	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	Hole depth:	Not Reported
Type of ground water site:	Single well, other than collector or Ranney type	Project number:	Not Reported
Aquifer Type:	Not Reported	Daily flow data begin date:	0000-00-00
Aquifer:	GLACIAL AQUIFER,UPPER	Daily flow data count:	0
Well depth:	33.	Peak flow data begin date:	0000-00-00
Source of depth data:	Not Reported	Peak flow data end date:	0000-00-00
Real time data flag:	0	Water quality data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Water quality data count:	0
Peak flow data begin date:	0000-00-00	Ground water data begin date:	1957-01-30
Peak flow data count:	0	Ground water data end date:	2005-02-23
Water quality data end date:	0000-00-00	Ground water data count:	773

Ground-water levels, Number of Measurements: 773

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-23		40.81	2005-01-19		40.69
2004-12-14		40.04	2004-11-16		40.20
2004-10-20		40.50	2004-09-23		39.87
2004-08-18		40.06	2004-07-20		40.34
2004-06-15		41.23	2004-05-21		41.35
2004-04-20		40.64	2004-03-16		39.30
2004-02-17		40.66	2004-01-20		40.14
2003-12-16		39.80	2003-11-20		39.99
2003-10-20		40.52	2003-09-15		41.39
2003-08-18		42.07	2003-07-16		42.90
2003-06-19		42.12	2003-05-22		40.35
2003-04-16		40.48	2003-03-18		40.47
2003-02-26		39.38	2003-01-15		39.36
2002-12-21		38.07	2002-11-21		37.49
2002-10-17		38.03	2002-09-20		36.44
2002-08-19		35.17	2002-06-20		36.15
2002-05-15		35.72	2002-03-19		35.19
2002-02-20		35.57	2002-01-15		35.99
2001-12-26		36.26	2001-11-16		37.52
2001-10-19		37.71	2001-09-18		38.32
2001-08-28		38.85	2001-07-18		40.34
2001-06-27		40.77	2001-05-15		41.45
2001-04-23		41.76	2001-03-20		39.47
2001-02-15		38.77	2001-01-16		38.29
2000-12-19		38.42	2000-11-15		38.85
2000-10-17		39.58	2000-09-25		40.51
2000-08-22		40.14	2000-07-18		40.62
2000-06-15		41.21	2000-05-15		41.19
2000-04-19		39.12	2000-03-23		38.73
2000-02-28		38.29	2000-01-27		38.34
2000-01-20		38.43	2000-01-04		38.49
1999-11-16		38.59	1999-10-19		38.64
1999-09-28		38.72	1999-08-18		38.07
1999-07-20		39.74	1999-06-25		40.48
1999-05-27		41.18	1999-04-28		41.51
1999-03-30		41.22	1999-02-26		40.56
1999-01-26		39.55	1998-12-17		39.65
1998-11-19		40.61	1998-10-29		41.10
1998-09-25		42.31	1998-08-24		43.52
1998-07-22		45.01	1998-05-22		45.38
1998-05-20		44.65	1998-04-22		43.43

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1998-03-17		41.70	1998-02-27		40.67
1998-01-21		38.58	1997-12-16		38.03
1997-11-21		38.18	1997-10-23		38.50
1997-09-16		39.52	1997-08-25		39.98
1997-07-31		40.63	1997-06-20		41.91
1997-05-29		42.26	1997-04-16		41.94
1997-03-12		41.27	1997-02-19		41.14
1997-01-22		40.52	1996-12-23		40.09
1996-11-25		39.02	1996-10-28		39.03
1996-09-26		38.89	1996-08-22		39.43
1996-07-30		39.61	1996-06-24		39.99
1996-05-16		40.00	1996-04-26		39.33
1996-03-13		38.18	1996-03-11		38.11
1996-02-20		37.75	1996-01-11		36.52
1995-11-21		36.15	1995-10-26		36.03
1995-09-28		36.13	1995-08-30		36.50
1995-07-24		37.05	1995-06-15		37.56
1995-05-15		37.86	1995-04-18		38.11
1995-03-24		38.20	1995-03-13		38.12
1995-02-27		38.08	1995-01-17		37.92
1994-12-28		37.90	1994-12-09		37.92
1994-10-17		38.59	1994-09-20		38.86
1994-08-20		39.36	1994-07-20		40.10
1994-06-16		41.23	1994-05-23		41.74
1994-04-18		41.79	1994-03-31		41.28
1994-02-16		39.69	1994-01-24		39.23
1993-12-22		38.98	1993-11-16		38.77
1993-10-19		38.90	1993-09-20		39.23
1993-08-23		39.96	1993-07-14		41.48
1993-06-15		42.54	1993-05-18		43.37
1993-04-20		43.88	1993-03-31		42.65
1993-03-26		42.14	1993-02-18		41.24
1993-01-14		41.25	1992-12-21		40.65
1992-11-19		39.67	1992-10-19		40.08
1992-09-15		40.54	1992-08-31		40.43
1992-07-17		39.85	1992-06-25		40.12
1992-05-15		40.06	1992-04-28		40.25
1992-04-23		40.32	1992-03-16		40.13
1992-03-12		40.08	1992-02-27		40.13
1992-01-28		40.45	1991-12-16		40.88
1991-11-18		42.02	1991-10-22		41.58
1991-09-17		41.98	1991-08-22		41.72
1991-07-18		42.28	1991-06-14		43.24
1991-05-21		43.73	1991-04-24		43.82
1991-03-22		44.22	1991-03-13		44.20
1991-02-25		44.01	1991-01-25		44.36
1990-12-12		43.52	1990-11-19		44.04
1990-10-17		43.03	1990-09-19		43.19
1990-08-15		42.45	1990-07-13		43.38
1990-06-11		44.20	1990-05-23		43.76
1990-04-19		42.92	1990-03-27		42.57
1990-02-20		43.36	1990-01-19		43.11
1989-12-19		44.39	1989-11-29		44.39
1989-10-23		43.63	1989-09-18		43.74
1989-08-18		44.39	1989-07-18		44.66

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-06-23		44.91	1989-05-26		43.68
1989-04-26		40.97	1989-03-16		39.25
1989-02-27		39.07	1989-01-24		38.91
1988-12-19		39.25	1988-11-23		38.26
1988-10-26		37.93	1988-09-26		38.20
1988-08-25		38.44	1988-07-25		38.75
1988-06-21		39.16	1988-05-26		39.39
1988-04-26		39.39	1988-03-16		39.62
1988-02-16		38.17	1988-01-28		38.04
1987-12-23		38.11	1987-11-23		38.35
1987-10-29		38.81	1987-09-30		39.35
1987-08-25		39.95	1987-07-29		40.60
1987-06-24		41.25	1987-05-26		42.66
1987-04-30		42.19	1987-03-27		41.11
1987-02-26		41.02	1987-01-30		39.62
1986-12-23		38.65	1986-11-26		38.02
1986-10-29		37.84	1986-10-01		38.31
1986-08-21		38.63	1986-07-24		39.04
1986-06-27		39.49	1986-05-19		39.93
1986-04-22		39.93	1986-03-27		39.94
1986-02-27		40.18	1986-01-16		39.76
1985-12-17		39.53	1985-11-18		39.43
1985-10-23		39.23	1985-09-25		39.59
1985-08-21		40.28	1985-07-25		40.33
1985-06-20		40.92	1985-05-20		40.98
1985-04-22		41.22	1985-03-22		41.61
1985-02-21		42.11	1985-01-30		42.32
1984-12-19		42.77	1984-11-26		43.02
1984-10-23		43.57	1984-09-24		44.52
1984-08-27		46.47	1984-07-23		46.24
1984-06-20		46.27	1984-05-23		44.29
1984-04-23		46.22	1984-03-22		43.32
1984-03-01		43.70	1984-01-23		43.22
1983-12-19		42.52	1983-11-21		41.54
1983-10-21		41.17	1983-09-20		41.19
1983-08-22		43.29	1983-07-25		43.92
1983-06-21		44.34	1983-05-23		44.86
1983-04-21		44.87	1983-03-21		41.07
1983-02-25		39.56	1983-01-24		39.18
1982-12-30		39.35	1982-11-26		39.68
1982-10-20		41.62	1982-09-20		41.03
1982-08-19		41.99	1982-07-21		42.87
1982-06-23		43.56	1982-05-18		42.38
1982-04-22		42.72	1982-03-22		42.27
1982-02-24		42.52	1982-01-25		41.55
1981-12-21		40.70	1981-11-20		40.02
1981-10-27		40.17	1981-09-21		40.52
1981-08-24		40.37	1981-07-20		41.00
1981-06-22		40.79	1981-05-21		41.13
1981-04-21		41.42	1981-03-23		41.49
1981-02-25		41.17	1981-01-26		41.38
1980-12-28		42.17	1980-11-20		41.80
1980-10-21		41.59	1980-09-22		42.18
1980-08-20		43.20	1980-07-21		43.68
1980-06-20		44.53	1980-05-21		45.14

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-05-06		45.37	1980-04-22		45.40
1980-03-20		42.09	1980-02-21		41.89
1980-01-22		42.19	1979-12-21		42.22
1979-11-21		42.70	1979-10-22		43.16
1979-09-24		43.14	1979-08-27		43.73
1979-07-23		44.67	1979-06-20		45.52
1979-05-21		45.25	1979-04-24		45.16
1979-04-18		45.37	1979-03-19		46.19
1979-02-27		45.34	1979-01-29		44.88
1979-01-22		43.72	1978-12-21		41.08
1978-12-18		41.04	1978-11-24		40.73
1978-11-20		40.75	1978-10-24		41.44
1978-09-26		42.02	1978-08-28		42.64
1978-07-24		43.05	1978-06-22		43.94
1978-05-24		44.30	1978-04-24		44.63
1978-03-21		45.24	1978-02-23		45.08
1978-01-25		44.59	1977-12-23		43.77
1977-11-25		42.15	1977-10-25		40.02
1977-09-27		40.03	1977-08-24		40.26
1977-07-26		40.68	1977-07-12		40.89
1977-06-24		41.26	1977-05-23		41.58
1977-04-26		41.90	1977-03-21		40.43
1977-02-22		39.95	1977-01-27		40.24
1976-12-27		40.36	1976-11-22		40.89
1976-10-29		41.31	1976-09-27		41.48
1976-08-24		42.20	1976-07-26		41.62
1976-06-21		42.38	1976-05-25		42.96
1976-04-27		43.47	1976-04-14		44.99
1976-03-24		43.88	1976-02-24		44.02
1976-02-14		44.15	1976-01-28		43.47
1976-01-17		43.22	1975-12-23		41.94
1975-12-06		42.12	1975-11-25		42.19
1975-11-15		42.16	1975-10-29		41.80
1975-10-22		41.88	1975-10-04		42.42
1975-09-29		42.27	1975-08-30		42.42
1975-08-26		42.48	1975-08-25		43.77
1975-07-28		43.19	1975-07-26		44.22
1975-07-10		43.25	1975-06-25		43.77
1975-06-21		43.52	1975-06-08		43.85
1975-05-31		42.04	1975-05-27		42.15
1975-05-16		42.16	1975-05-03		41.82
1975-04-24		41.94	1975-04-08		42.10
1975-03-22		40.92	1975-03-17		41.60
1975-02-24		41.15	1975-02-20		40.80
1975-01-28		40.32	1975-01-25		40.32
1975-01-15		39.85	1974-12-28		39.77
1974-12-24		39.64	1974-11-25		39.08
1974-11-22		39.24	1974-10-26		39.77
1974-10-24		39.77	1974-09-28		40.02
1974-09-24		40.08	1974-08-31		40.32
1974-08-27		40.28	1974-07-27		41.07
1974-07-23		41.17	1974-06-24		42.07
1974-06-22		42.17	1974-05-25		42.82
1974-05-23		42.59	1974-04-27		43.12
1974-04-24		43.12	1974-04-06		42.82

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1974-03-22		42.07	1974-03-02		41.62
1974-02-22		41.75	1974-01-28		41.73
1974-01-19		41.47	1973-12-22		40.62
1973-12-21		40.15	1973-11-26		40.09
1973-11-16		40.37	1973-10-27		40.77
1973-10-24		40.79	1973-09-29		41.72
1973-09-24		41.89	1973-08-28		42.82
1973-08-25		43.07	1973-08-07		43.75
1973-07-28		44.32	1973-07-25		44.23
1973-06-25		44.32	1973-06-23		44.12
1973-05-29		44.62	1973-05-26		44.87
1973-05-05		45.07	1973-04-27		45.06
1973-03-31		44.32	1973-03-27		43.88
1973-02-22		43.71	1973-02-07		43.75
1973-01-26		42.41	1973-01-20		43.57
1972-12-26		42.53	1972-12-23		42.47
1972-11-27		41.64	1972-11-18		41.12
1972-10-29		40.57	1972-10-26		40.58
1972-09-26		40.63	1972-09-23		40.72
1972-08-26		41.77	1972-08-25		41.77
1972-07-26		43.12	1972-06-29		42.67
1972-06-28		43.03	1972-05-27		42.32
1972-05-26		42.33	1972-04-26		41.54
1972-04-22		40.17	1972-03-27		38.56
1972-03-25		41.35	1972-03-04		40.31
1972-02-24		38.46	1972-01-26		38.23
1972-01-21		39.67	1971-12-21		38.32
1971-12-18		39.62	1971-11-23		38.16
1971-11-20		38.27	1971-10-31		38.47
1971-10-26		38.53	1971-09-28		38.72
1971-09-25		38.67	1971-08-30		38.84
1971-08-21		38.90	1971-07-24		39.31
1971-06-28		39.66	1971-06-12		39.92
1971-05-26		40.19	1971-05-15		40.27
1971-04-22		40.48	1971-04-10		40.17
1971-03-13		39.74	1971-03-12		39.72
1971-02-24		39.13	1971-02-13		39.07
1971-01-26		38.52	1971-01-16		38.55
1970-12-21		38.42	1970-12-07		38.32
1970-11-24		38.65	1970-11-07		39.72
1970-10-28		38.92	1970-09-26		39.87
1970-09-22		39.72	1970-08-25		40.52
1970-07-25		41.12	1970-07-23		41.08
1970-06-23		41.76	1970-06-20		41.87
1970-06-01		42.12	1970-05-23		42.12
1970-04-29		42.49	1970-04-25		42.47
1970-04-04		42.20	1970-03-24		41.32
1970-03-02		40.62	1970-02-25		41.58
1970-01-31		40.32	1970-01-26		40.27
1970-01-04		39.62	1969-12-29		39.94
1969-11-29		38.77	1969-11-26		38.82
1969-10-27		39.11	1969-10-25		39.02
1969-09-27		39.47	1969-09-26		39.48
1969-08-29		39.72	1969-08-26		39.73
1969-07-29		39.77	1969-07-26		39.57

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1969-06-28		39.72	1969-06-24		39.80
1969-05-27		40.26	1969-05-24		39.82
1969-04-25		40.02	1969-04-24		39.96
1969-03-29		39.17	1969-03-26		39.49
1969-02-25		38.93	1969-02-21		38.57
1969-01-27		38.98	1969-01-18		39.32
1968-12-24		39.12	1968-12-21		38.57
1968-11-25		38.16	1968-11-23		38.02
1968-10-26		38.02	1968-10-23		37.89
1968-09-24		38.38	1968-09-21		38.62
1968-08-26		38.68	1968-08-17		38.92
1968-07-26		39.23	1968-07-20		39.37
1968-06-24		39.72	1968-06-22		39.57
1968-05-25		39.42	1968-05-23		39.22
1968-04-24		39.79	1968-04-20		39.87
1968-03-25		40.07	1968-03-16		39.42
1968-02-26		39.05	1968-02-17		39.42
1968-01-25		39.61	1968-01-20		39.57
1967-12-28		39.02	1967-12-16		38.87
1967-11-27		38.70	1967-11-18		38.92
1967-10-24		39.43	1967-10-21		39.82
1967-09-27		40.30	1967-09-23		40.02
1967-08-29		40.35	1967-08-19		40.12
1967-07-24		39.99	1967-07-21		40.02
1967-06-26		39.88	1967-06-17		39.32
1967-05-24		39.61	1967-05-20		39.42
1967-04-28		38.68	1967-04-22		38.32
1967-03-30		37.94	1967-03-25		37.67
1967-02-27		36.23	1967-02-25		36.12
1967-01-25		36.05	1967-01-20		36.12
1966-12-28		35.79	1966-12-17		35.95
1966-11-29		36.14	1966-11-19		36.12
1966-10-26		36.17	1966-10-21		36.35
1966-09-27		36.28	1966-09-17		36.27
1966-08-29		36.21	1966-08-20		36.42
1966-07-23		37.07	1966-07-12		37.06
1966-06-29		37.29	1966-06-25		37.52
1966-05-25		35.85	1966-05-21		36.82
1966-04-26		36.60	1966-04-23		36.92
1966-03-28		36.84	1966-03-19		36.82
1966-02-25		36.53	1966-02-19		36.47
1966-01-26		37.02	1966-01-18		36.32
1965-12-27		36.57	1965-11-29		36.71
1965-11-20		37.32	1965-10-29		37.17
1965-10-02		37.67	1965-09-30		37.63
1965-09-15		37.97	1965-08-31		38.07
1965-08-07		38.52	1965-07-27		38.76
1965-07-10		39.09	1965-06-25		39.35
1965-06-05		39.72	1965-05-26		39.79
1965-05-08		40.12	1965-04-28		40.07
1965-04-10		39.92	1965-03-30		39.96
1965-03-13		39.97	1965-02-26		39.73
1965-01-27		38.71	1965-01-23		38.72
1964-12-30		38.56	1964-12-19		38.62
1964-11-24		38.44	1964-11-14		38.62

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1964-10-29		38.80	1964-10-19		39.32
1964-09-29		39.23	1964-09-12		39.57
1964-09-01		39.83	1964-08-08		40.50
1964-07-28		40.70	1964-07-11		41.20
1964-07-01		41.19	1964-06-13		41.72
1964-05-26		42.09	1964-05-08		42.52
1964-04-27		42.47	1964-04-11		41.54
1964-03-27		41.24	1964-03-07		41.03
1964-02-26		40.95	1964-02-08		40.58
1964-01-29		40.30	1964-01-18		39.54
1963-12-26		39.33	1963-12-14		39.42
1963-12-02		39.38	1963-11-15		39.52
1963-10-29		39.40	1963-10-12		39.59
1963-09-26		39.96	1963-09-21		39.92
1963-09-03		40.37	1963-07-30		41.06
1963-07-29		41.07	1963-07-01		41.63
1963-05-27		41.99	1963-04-26		42.55
1963-04-25		42.70	1963-03-26		43.07
1963-03-09		43.14	1963-02-25		42.14
1963-02-02		42.18	1963-01-28		41.96
1963-01-05		42.01	1962-12-26		41.94
1962-12-08		42.01	1962-12-03		41.92
1962-11-01		41.51	1962-10-28		41.61
1962-10-01		41.56	1962-09-29		41.55
1962-09-08		41.85	1962-08-31		41.92
1962-07-28		42.22	1962-07-27		42.41
1962-07-02		42.89	1962-06-06		43.22
1962-05-28		43.53	1962-05-02		44.19
1962-04-02		44.59	1962-03-01		43.57
1962-02-05		42.71	1962-01-27		42.68
1961-12-29		42.10	1961-12-04		42.18
1961-11-25		42.64	1961-10-30		42.72
1961-10-21		42.97	1961-10-05		43.34
1961-09-16		44.14	1961-09-06		44.27
1961-08-09		44.64	1961-07-28		44.37
1961-07-03		44.64	1961-06-23		44.99
1961-06-05		45.18	1961-05-20		45.30
1961-04-28		45.14	1961-03-29		44.71
1961-03-04		44.07	1961-02-27		43.55
1961-01-31		43.37	1961-01-14		43.26
1961-01-03		43.29	1960-12-06		42.97
1960-11-19		43.31	1960-11-02		43.15
1960-10-03		43.62	1960-09-24		43.74
1960-08-30		41.77	1960-08-04		42.22
1960-07-28		41.90	1960-06-28		42.16
1960-06-24		42.25	1960-06-07		42.58
1960-06-04		42.62	1960-05-03		43.02
1960-04-30		43.00	1960-04-01		42.75
1960-03-19		42.85	1960-03-01		42.79
1960-02-13		41.96	1960-02-03		41.86
1960-01-07		41.58	1959-12-05		40.74
1959-10-31		41.17	1959-09-26		41.93
1959-08-29		42.62	1959-07-25		42.57
1959-06-27		42.21	1959-06-23		42.28
1959-06-02		42.42	1959-05-27		42.55

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1959-05-02		42.92	1959-04-28		43.22
1959-03-30		43.42	1959-02-28		42.75
1959-02-26		42.76	1959-01-31		42.84
1959-01-28		43.17	1958-12-30		43.24
1958-12-02		43.32	1958-10-29		43.09
1958-09-29		43.52	1958-08-26		43.83
1958-07-28		44.49	1958-06-25		45.55
1958-05-27		46.38	1958-04-30		45.73
1958-03-27		44.48	1958-02-25		41.98
1958-01-28		41.45	1957-12-19		39.77
1957-11-26		39.32	1957-10-25		39.72
1957-09-24		40.17	1957-08-28		40.65
1957-08-02		41.17	1957-07-03		41.95
1957-05-29		42.87	1957-04-24		43.51
1957-03-27		42.31	1957-02-27		42.15
1957-01-30		41.84			

**C29
North
1/2 - 1 Mile
Higher**

FED USGS USGS2118097

Agency cd:	USGS	Site no:	404301073240901
Site name:	S 1805. 1		
Latitude:	404301		
Longitude:	0732409	Dec lat:	40.71704414
Dec lon:	-73.40206644	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SM 329 4 99	Map scale:	Not Reported
Altitude:	57.0	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:	191210
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:	GLACIAL AQUIFER,UPPER		
Well depth:	22.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1912-10-16	Ground water data end date:	1937-11-20
Ground water data count:	60		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 60

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1937-11-20		40.33	1937-10-30		40.02
1937-09-25		40.64	1937-08-28		41.21
1937-07-31		42.00	1937-06-26		42.99
1937-05-29		43.74	1937-04-24		43.76
1937-03-27		44.01	1937-02-27		43.70
1937-01-30		43.25	1937-01-02		41.93
1936-11-28		39.36	1936-10-31		39.82
1936-10-03		40.28	1936-08-28		40.98
1936-07-31		41.69	1936-07-03		42.20
1936-03-30		43.13	1935-10-29		38.84
1935-09-20		39.67	1935-05-27		42.24
1935-04-04		43.04	1935-03-22		43.13
1933-06-27		41.27	1932-12-07		38.68
1932-10-27		37.90	1932-10-13		38.22
1932-10-04		38.41	1932-09-12		38.65
1932-09-06		39.00	1932-08-11		39.82
1932-08-04		39.70	1932-07-26		39.79
1932-07-25		39.83	1932-07-12		39.96
1932-05-05		40.62	1914-12-14		39.55
1914-11-02		40.42	1914-10-09		41.05
1914-08-14		42.72	1914-07-24		43.37
1914-06-16		44.55	1914-05-25		45.12
1914-04-15		44.32	1914-03-19		44.28
1914-01-27		41.89	1913-12-10		40.58
1913-10-31		41.05	1913-09-29		41.42
1913-08-16		42.85	1913-07-22		43.77
1913-06-16		45.02	1913-05-19		45.59
1913-04-21		46.10	1913-03-22		43.26
1913-02-15		42.64	1913-01-06		41.66
1912-12-02		40.58	1912-10-16		41.50

**D30
WSW
1/2 - 1 Mile
Lower**

FED USGS USGS2118631

Agency cd:	USGS	Site no:	404207073245801
Site name:	S 35670. 1		
Latitude:	404207		
Longitude:	0732458	Dec lat:	40.70204449
Dec lon:	-73.41567815	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 254 4163	Map scale:	Not Reported
Altitude:	45.0	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:	MAGOTHY AQUIFER		
Well depth:	172.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

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

Ground-water levels, Number of Measurements: 0

D31
WSW
1/2 - 1 Mile
Lower

FED USGS USGS2118616

Agency cd:	USGS	Site no:	404206073245802
Site name:	S 49542. 2		
Latitude:	404206		
Longitude:	0732458	Dec lat:	40.70176671
Dec lon:	-73.41567815	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SM 254	Map scale:	Not Reported
Altitude:	45.0	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:	MAGOTHY AQUIFER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1973-09-10
Water quality data end date:	1973-09-10	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

D32
WSW
1/2 - 1 Mile
Lower

FED USGS USGS2118615

Agency cd:	USGS	Site no:	404206073245801
Site name:	S 49542. 1		
Latitude:	404206		
Longitude:	0732458	Dec lat:	40.70176671
Dec lon:	-73.41567815	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 254	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	45.0	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:	MAGOTHY AQUIFER		
Well depth:	560.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1973-09-07
Water quality data end date:	1973-09-07	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

E33
WSW
1/2 - 1 Mile
Lower

FED USGS USGS2118665

Agency cd:	USGS	Site no:	404210073250202
Site name:	S 54568. 1		
Latitude:	404210		
Longitude:	0732502	Dec lat:	40.70287781
Dec lon:	-73.41678928	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 244	Map scale:	Not Reported
Altitude:	45.0	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:	MAGOTHY AQUIFER		
Well depth:	423.	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-04-20
Water quality data end date:	1985-05-21	Water quality data count:	10
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E34
WSW
1/2 - 1 Mile
Lower

FED USGS USGS2118664

Agency cd:	USGS	Site no:	404210073250201
Site name:	S 51214. 1		
Latitude:	404210		
Longitude:	0732502	Dec lat:	40.70287781
Dec lon:	-73.41678928	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 244	Map scale:	Not Reported
Altitude:	45.0	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:	19740313
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:	MAGOTHY AQUIFER		
Well depth:	395.	Hole depth:	395.
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1975-04-14
Water quality data end date:	1987-02-03	Water quality data count:	12
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

E35
WSW
1/2 - 1 Mile
Lower

NY WELLS NYWS006391

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	105	Well name:	GREAT NECK ROAD WELL # 2 S-54568
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404211 000
Longitude:	732501 000	Slec_type_:	AC
Agency:	RANDAZZO, KAREN		
Address:	PO BOX 18043		
City/State/Zip:	HAUPPAUGUE NY 11788		
Phone:	631-563-0258		

E36
WSW
1/2 - 1 Mile
Lower

NY WELLS NYWS006392

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	104	Well name:	GREAT NECK ROAD WELL # 1 S-51214
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404211 000
Longitude:	732501 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

E37
WSW
1/2 - 1 Mile
Lower

NY WELLS NYWS006389

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	104	Well name:	GREAT NECK ROAD WELL # 1 S-51214
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404211 000
Longitude:	732501 000	Slec_type_:	AC
Agency:	RANDAZZO, KAREN		
Address:	PO BOX 18043		
City/State/Zip:	HAUPPAUGUE NY 11788		
Phone:	631-563-0258		

E38
WSW
1/2 - 1 Mile
Lower

NY WELLS NYWS006390

Well Id:	NY5110526	System name:	SUFFOLK COUNTY WATER AUTHORITY
System Id:	105	Well name:	GREAT NECK ROAD WELL # 2 S-54568
Type:	WL	Active?:	A
County:	SUFFOLK COUNTY	Latitude:	404211 000
Longitude:	732501 000	Slec_type_:	AC
Agency:	MURRAY, ROBERT L.		
Address:	180 Fifth Avenue		
City/State/Zip:	BAYSHORE NY 11706		
Phone:	631-665-0662		

39
NNW
1/2 - 1 Mile
Higher

FED USGS USGS2117982

Agency cd:	USGS	Site no:	404308073243101
Site name:	S 66556. 1		
Latitude:	404308		
Longitude:	0732431	Dec lat:	40.71898859
Dec lon:	-73.40817772	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SM 307 4	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	50.0	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:	19800929
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:	MAGOTHY AQUIFER		
Well depth:	728.	Hole depth:	753.
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1986-11-20
Water quality data end date:	1986-11-20	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**40
SW
1/2 - 1 Mile
Lower**

FED USGS USGS2118851

Agency cd:	USGS	Site no:	404149073244901
Site name:	S 17340. 1		
Latitude:	404149		
Longitude:	0732449	Dec lat:	40.69704455
Dec lon:	-73.41317812	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	103
Country:	US	Land net:	Not Reported
Location map:	SN 257	Map scale:	Not Reported
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
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:	GLACIAL AQUIFER,UPPER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1973-08-13
Water quality data end date:	1973-08-13	Water quality data count:	2
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
11701	2	2 (100%)	0 (0%)	0 (0%)	1.75	2.9

Federal EPA Radon Zone for SUFFOLK County: 3

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

Federal Area Radon Information for SUFFOLK COUNTY, NY

Number of sites tested: 183

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.670 pCi/L	100%	0%	0%
Basement	1.010 pCi/L	98%	2%	0%

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 IRAA 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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Fax To: CH2M Hill
Contact: Mary Beth Jacques
Fax : 404-229-9152
Date: 07/12/2006

Fax From: Bart Sobieralski
EDR
Phone: 1-800-352-0050

EDR PUR-IQ[®] Report

"the intelligent way to conduct historical research"

for
Amityville AFRC, NY
600 ALBANY AVE
AMITYVILLE, NY 11701
Lat./Long. 40.70730 / 73.40320
EDR Inquiry # 01714247.14r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching proprietary EDR-Prior Use Reports[®] comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

- 1. City Directory:** Coverage may exist for portions of Suffolk County, NY.
- 2. Fire Insurance Map:** When you order online any EDR Package or the EDR Radius Map with EDR Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.
- 3. Aerial Photograph:** Coverage exists for portions of Suffolk County for 1951, 1953, 1954, 1955, 1957, 1961, 1966, 1969, 1974, 1976, 1980, 1986, 1991, 1992, 1994 Shipping time 3-5 business days.
- 4. Topographic Map:** The USGS 7.5 min. quad topo sheet(s) associated with this site:
Historical: Coverage exists for Suffolk County
Current: Target Property: TP | 1994 | 40073-F4 Amityville, NY

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs and historical topographic map resources available for AMITYVILLE, NY. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.



EDR™ Environmental
Data Resources Inc

EDR - HISTORICAL SOURCE(S) ORDER FORM

**CH2M Hill
Mary Beth Jacques
Account # 1592163**

**Amityville AFRC, NY
600 ALBANY AVE
AMITYVILLE, NY 11701
Suffolk County
Lat./Long. 40.70730 / 73.40320
EDR Inquiry # 01714247.14r**

Should you wish to change or add to your order, fax this form to your EDR account executive:

**Bart Sobieralski
Ph: 1-800-352-0050 Fax: 1-800-231-6802**

Reports

- EDR Sanborn Map® Search/Print
- EDR Fire Insurance Map Abstract
- EDR Multi-Tenant Retail Facility® Report
- EDR City Directory Abstract
- EDR Aerial Photo Decade Package
- USGS Aerial 5 Package
- USGS Aerial 3 Package
- EDR Historical Topographic Maps
- Paper Current USGS Topo (7.5 min.)
- Environmental Lien Search
- Chain of Title Search
- NJ MacRaes Industrial Directory Report
- EDR Telephone Interview

Shipping:

- Email
- Express, Next Day Delivery
- Express, Second Day Delivery
- Express, Next day Delivery
- Express, Second Day Delivery
- U.S. Mail

Customer Account
Customer Account

RUSH SERVICE IS AVAILABLE

Acct # _____
Acct # _____

Thank you



"Linking Technology with Tradition"®

Sanborn® Map Report

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

Order Date: 7/12/2006 **Completion Date:** 7/12/2006
Inquiry #: 1714247.15
P.O. #: NA
Site Name: Amityville AFRC, NY

Customer Project: NA
1592163BAS 770-338-1589

Address: 600 ALBANY AVE
City/State: AMITYVILLE, NY 11701
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

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