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# **NORTHROP GRUMMAN**

BETHPAGE FACILITY

## **PHASE I SITE ASSESSMENT UPDATE PARCEL - L2**

NORTHROP GRUMMAN CORPORATION  
BETHPAGE, NEW YORK

SEPTEMBER 2000



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CONSULTING ENGINEERS

RLA/NORTHROP/PARCEL-L2(8/8/00)

A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

**NORTHROP GRUMMAN CORPORATION**

**PHASE I SITE ASSESSMENT UPDATE**

**PARCEL L2**

**BETHPAGE, NEW YORK**

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**SEPTEMBER 2000**

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**NORTHROP GRUMMAN CORPORATION  
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# Section 1

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## 1.0 INTRODUCTION

This document presents the findings of an update to a previously completed Phase I Site Assessment undertaken for the Northrop Grumman Corporation (NGC) property known as Parcel L2, located off Grumman Road-West in Bethpage, New York. The information presented in this report is based upon a site inspection, a review of previously unavailable information (i.e., NGC construction drawings), interviews with representatives of NGC, previous site assessment and investigation activities, and a review and evaluation of state and federal record sources (i.e., state and federal environmental database search). As mentioned above, this Phase I Site Assessment is an update to a prior Phase I Environmental Assessment completed by ERM-Northeast (ERM) in November 1996, and has been completed in an effort to meet the applicable requirements of the American Society for Testing Materials (ASTM) Standard E1527-97 entitled, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."

It should be noted that NGC has been proceeding with the scheduled and systematic "shutdown" of major portions of the Bethpage Facility. Toward that end, NGC has "subdivided" the entire facility and is in the process of selling buildings and land in the commercial real estate market. As a result, a majority of the Parcel L2 property previously identified in the November 1996 Phase I Environmental Assessment has been excluded from this Phase I Environmental Site Assessment Update due to NGC's subdivision and selling of buildings and land in the commercial real estate market.

Section 2 of this document presents a description of the site and surrounding areas. An evaluation of the historical uses of the site and surrounding areas is presented in Section 3. The regulatory compliance history of the site and surrounding areas is presented in Section 4. Section 5 presents the findings of the Phase I Site Assessment update and identifies potential areas of environmental concern. Recommendations for further investigation activities are provided in Section 6.

In an effort to document the review of historical information sources, aerial photographs dated 1950 through 1988 are presented in Appendix A. To document the review of standard

environmental record sources, a computer environmental database search is presented in Appendix B. Supplemental information documenting the review of available files is presented in Appendix C. References are listed in Appendix D.

# Section 2

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## **2.0 SITE DESCRIPTION**

This section presents an overview of the general environmental setting of the property and describes the observations made during May 1992, October 1996 and August 2000 site inspections.

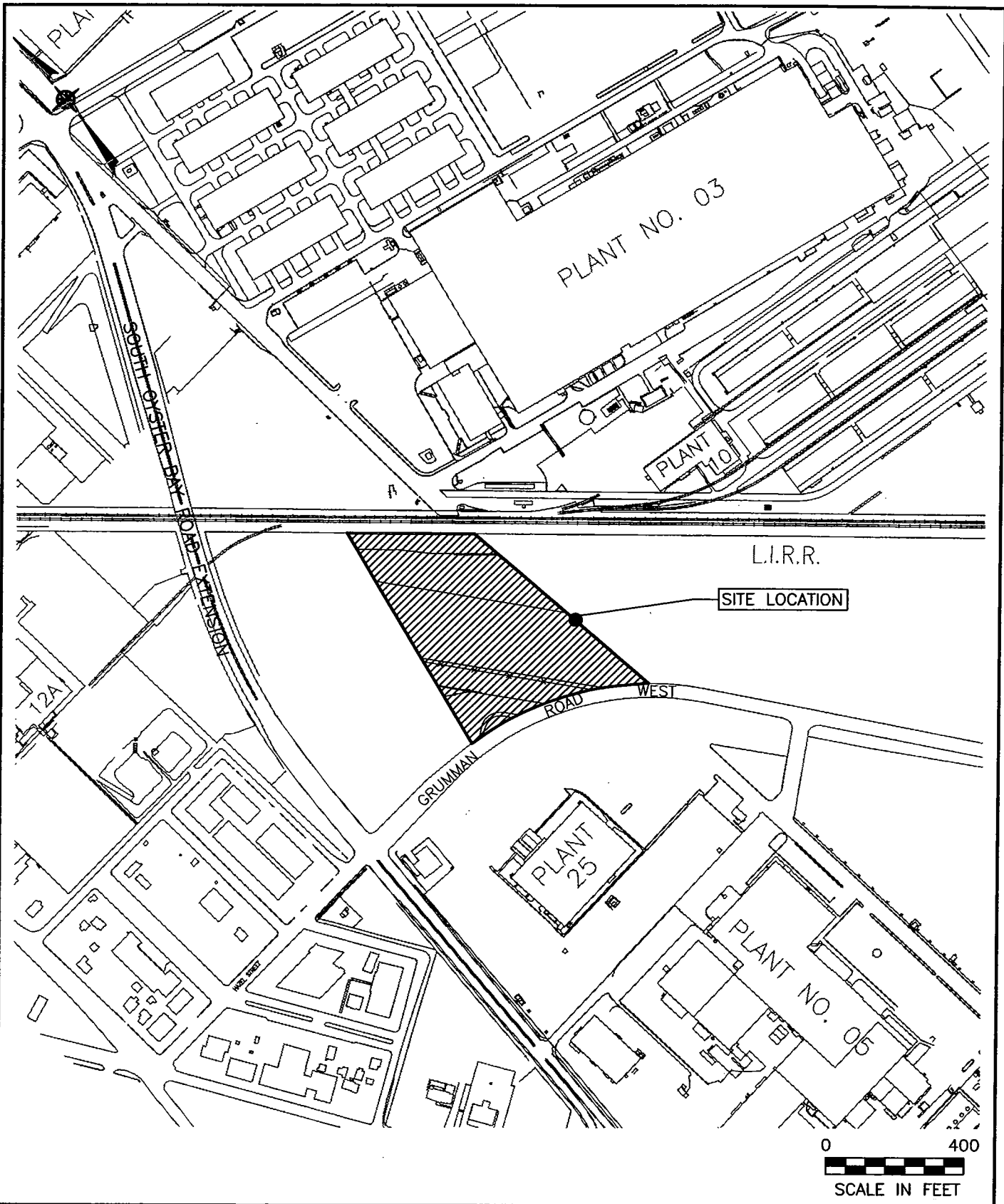
### **2.1 Site Setting**

The Parcel L2 site is located to the east of the South Oyster Bay Road Extension, immediately west and south of the Long Island Rail Road (LIRR) tracks in Bethpage, New York. A site location map is presented on Figure 2-1. The site is approximately 5.4 acres (current Tax ID No.: Section 46, Block 323, parts of Lots 223, 223A and 223B) and is currently owned by Northrop Grumman Corporation (NGC). This site is located within an area zoned Industrial H. Industrial and commercial properties are located to the north, east, south and west. A site map is provided in Figure 2-2.

The Parcel L2 property is generally level with topography gradually sloping away from the former runway to facilitate drainage. Ground elevation is approximately 120 feet above mean sea level. Based on measurements obtained during the installation of groundwater monitoring wells at the site as part of a previously prepared delisting petition, the depth from ground surface to the upper glacial aquifer is approximately 55 feet. Approximately half of the site is covered by asphalt, concrete or other impervious building materials due to the runway and associated roadways. The remaining portions of the site are covered by grassy areas. NGC Quadrangle maps of the Parcel L2 property indicate that underground water supply, sanitary sewer, electrical, telephone and gas lines are located beneath the site, as well as several storm water dry wells.

The Soil Conservation Service classifies the majority of the site (approximately 80%) as Urban Land. Urban Land is defined as an area with at least 85 percent asphalt, concrete, or other impervious building material, with most of the remaining small areas of soil being well drained Riverhead, Hempstead, or Enfield soils, or excessively drained Udipsaments. The remainder of

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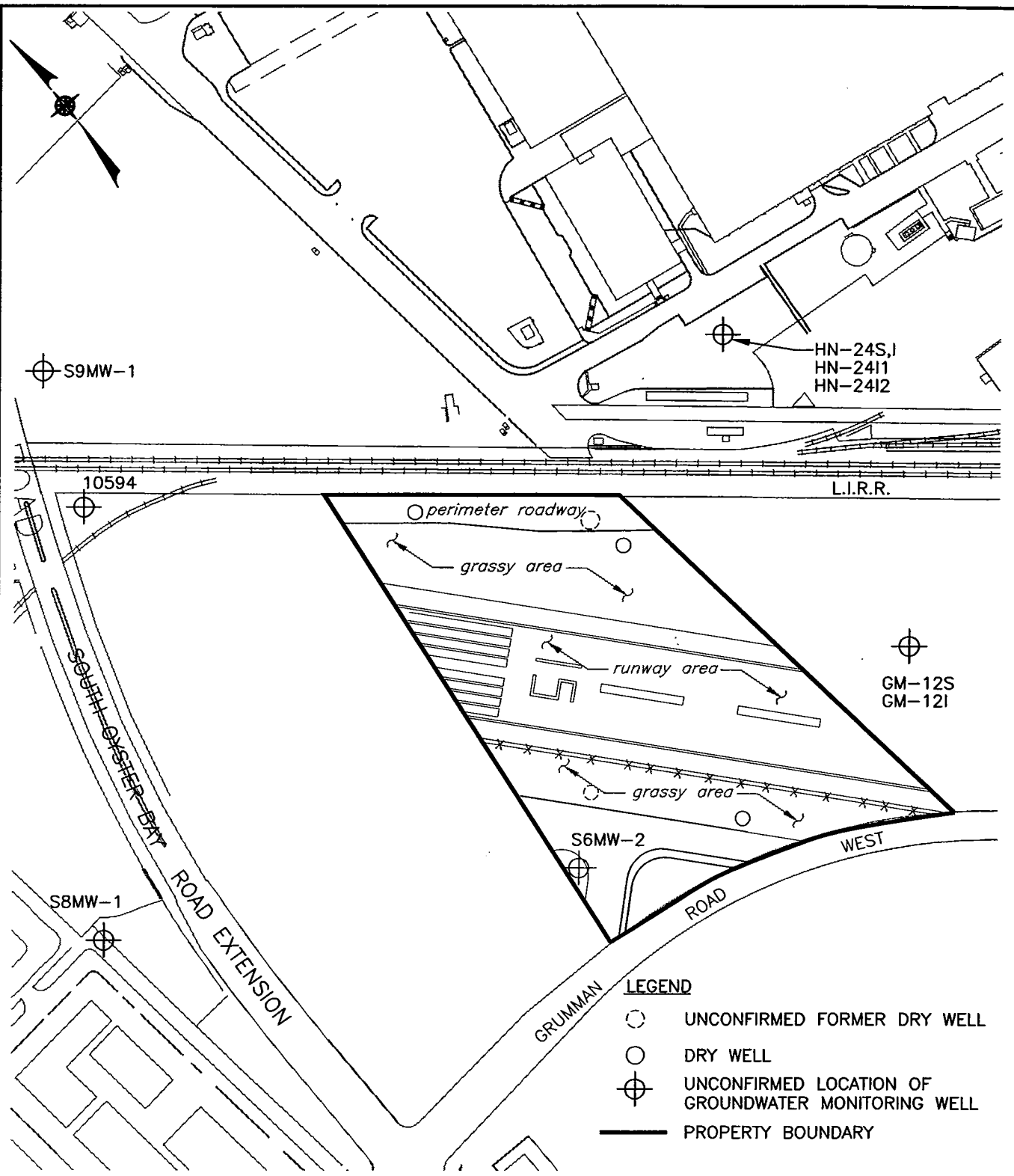
SITE LOCATION MAP



Dvirka and Bartilucci  
Consulting Engineers  
A Division of William F. Cosulich Associates, P.C.

FIGURE 2-1

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NORTHROP GRUMMAN CORPORATION  
PARCEL L2  
BETHPAGE, NEW YORK

### SITE PLAN

**db** Dvirka and Bartilucci  
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FIGURE 2-2

the site (approximately 20%) is classified as Udipsaments. Udipsaments (nearly level) are defined as manmade fill or borrow areas, most of which are grass covered with slopes of 0 to 3 percent, which consist of very deep soils that are excessively drained to well-drained.

## **2.2 Site Inspection/Reconnaissance**

The Parcel L2 property was included in a 33-acre property formerly known as "Site 6 (Runway)." In response to the Site 6 (Runway) Delisting Petition prepared by Dvirka and Bartilucci Consulting Engineers (D&B) in February 1993, the New York State Department of Environmental Conservation (NYSDEC) removed the Site 6 (Runway) property from the Registry of Inactive Hazardous Waste Disposal Sites in New York State (see Appendix C) on September 30, 1994.

An inspection of the Site 6 (Runway) property was conducted on May 29, 1992 in support of the February 1993 New York State Site Registry Delisting Petition. As stated above, the Parcel L2 property was included in the Site 6 (Runway) property. The results of this inspection can be found in the report entitled, "New York State Site Delisting Petition, Site 6 (Runway), Hicksville, New York," prepared by Dvirka and Bartilucci Consulting Engineers, dated February 1993.

The site was reinspected by ERM on October 4 and October 12, 1996 in support of ERM's Phase I Environmental Assessment of the Parcel L2 property. It should be noted that the Parcel L2 property was approximately 15 acres in size (encompassing land of adjacent parcels) at the time of the ERM Phase I Environmental Assessment. The results of this inspection can be found in the report entitled, "Phase I Environmental Assessment, Parcel L2, Grumman Aerospace Corporation, Bethpage, New York," prepared by ERM-Northeast, dated November 1996.

A site inspection of the approximately 5.4 acre Parcel L2 property was conducted on August 2, 2000 to supplement/update the inspection performed in support of the Site 6 (Runway) delisting Petition and the November 1996 Phase I Environmental Assessment.

Based upon the findings of the August 2, 2000 site inspection, the Parcel L2 property is currently inactive and was divided into the following areas:

- Perimeter Roadway
  - a section of asphalt perimeter roadway was noted along the northern property boundary
  - one dry well was noted
  - two “Jersey” barriers were observed blocking the roadway
  
- Grassy Area North and South of Runway
  - five manhole covers identified as “telephone” and “electric” were noted on the north side of the runway and two manhole covers identified as “telephone” were noted on the south side of the runway
  - a newly installed electric transformer mounted on a concrete pad was noted along the western property boundary on the south side of the runway
  - a small soil pile and fire hydrant were noted in northeast corner of site
  - a dry well was observed adjacent to New Grumman Road West
  - visual signs of “stressed vegetation” were **not** observed
  
- Former Parking Area in Southwest Corner
  - a small section of asphalt parking area and roadway were noted
  - a fire hydrant was noted in the southwest corner of the property
  
- Former Runway
  - an asphalt overlain concrete runway with adjacent chain link fence were noted
  - a small rubble and debris pile was noted on the former runway adjacent to the western property boundary
  - a rubble, soil and yard waste (i.e., tree limbs) pile and adjacent small pile of asphalt were noted on the western edge of the former runway
  - former runway lighting fixtures were noted
  - two fire hydrants and “ponding” water were observed in southeastern corner of property

In addition, a review of NGC Quadrangle maps shows that underground sanitary sewer, electrical and telephone lines are located on-site as well as several storm water dry wells with interconnecting piping.



### **3.0 SITE HISTORY**

This section presents a description of the history of development of the site and surrounding areas. Information presented in this section has been compiled based upon a review of available aerial photographs dated 1950-1988 (see Appendix A), available files at the Northrop Grumman Corporation (NGC) Bethpage Facility and the Nassau County Department of Health (see Appendix C), interviews with representatives of NGC, and the findings of the site inspection performed on August 2, 2000, as well as the findings of the February 1993 Delisting Petition prepared by D&B, the November 1996 Phase I Environmental Assessment prepared by ERM and the March 1997 Phase II Site Assessment prepared by D&B.

#### **3.1 Former Uses and Summary of Prior Assessments**

##### **3.1.1 Aerial Photograph Review**

Based upon a review of the earliest available aerial photograph of the site taken in 1950, the site was essentially undeveloped with the exception of a roadway forming a portion of the southern boundary line. South Oyster Bay Road formed the eastern boundary of the site at that time and the LIRR tracks formed the northern boundary. Land to the immediate west was undeveloped. However, railroad tracks leading from a site located to the northwest of the Parcel L2 site connect with the LIRR tracks. North of the site and the LIRR tracks, a small building is noted. Land to the northeast of the site was utilized by NGC as part of the Naval Weapons Industrial Reserve Plant (NWIRP), and land southeast of the site was in use as a runway. Land immediately south of the site was undeveloped, with the exception of a "Quonset" style building, located to the southwest.

Between 1950 and 1955, the runway to the southeast was expanded northwest, replacing a portion of South Oyster Bay Road and occupied the majority of the site. A new roadway (South Oyster Bay Road Extension) was constructed to the west. A perimeter roadway circling the north end of the runway was also constructed during this time period. The small building located to the

north of the site was removed, and the land was being used as an athletic field. Land immediately south of the site was being used for athletic fields and for parking associated with Plant 25, located south of the Parcel L2 site.

There were no apparent on-site changes between 1955 and 1962. Between 1962 and 1969, parking lots had been constructed southwest of the site, with a subsequent reconfiguration of the roadway. It appears that the railroad tracks located to the northwest of the site had been removed and the perimeter roadway was slightly widened at the northeast corner of the site during this time period.

Between 1969 and 1972, a line is noted in the grassy area north of the runway running parallel to the runway. A review of NGC Quadrangle maps indicated that this was an electrical line. There were no apparent on-site changes between 1972 and 1988.

### 3.1.2 Former Uses

Based upon interviews with NGC representatives and a review of aerial photographs, the site was utilized as a portion of the northern end of a runway between approximately 1955 and 1990, when the runway was "closed." According to NGC personnel interviewed during the preparation of the Delisting Petition, all aircraft maintenance and deicing procedures took place off-site, in the vicinity of Plant 4. It should be noted that Plant 4 is located approximately 2,800 feet southeast of the existing Parcel L2 site. According to NGC personnel, after 1990, the runway was utilized only by Nassau County to stage police helicopters in the vicinity of Hangar 7, located southeast of the Parcel L2 site. Private and/or commercial aircraft were permitted to use the runway for emergency purposes only. No helicopters were noted at the site during the May 1992, October 1996 and August 2000 site inspections.

In addition to the site being utilized as a runway until its closure, the southwest corner of the property was utilized for vehicle parking. Based on aerial photography, the parking area was constructed between 1962 and 1969.



### 3.1.3 Drawing Review

Approximately 27 newly acquired (not previously available) construction drawings of the Northrop Grumman Corporation (NGC) Runway and Runway Extension were recently made available and located on file at the NGC Bethpage facility in the form of “stick files.” It is important to note that a majority of the existing Parcel L2 property is located within the area of the Runway Extension. A preliminary review of these recently available drawings was undertaken in order to gather only those drawings with the most important and pertinent information for a detailed review. Based upon a review of approximately nine drawings, noteworthy findings on three of these newly acquired drawings are provided below.

#### Proposed Runway Extension for Grumman Aerospace Engineering Corporation – Layout Plan – September 1950

This plan identified existing conditions, including the location of several utilities (i.e., water, gas, electric), for the Runway Extension. Dimensions (i.e., length and width) of the Runway Extension are also provided on this plan. In addition, the LIRR and existing South Oyster Bay Road and South Oyster Bay Road Extension are shown.

#### Proposed Runway Extension for Grumman Aerospace Engineering Corporation – Grading and Drainage Plan – September 1951

This plan identifies the proposed grades (i.e., ground elevations) for the Runway Extension. Accordingly, high point ground elevations reside along the centerline of the runway with grade sloping towards grassy areas located on either side of the runway.

#### Proposed Runway Extension for Grumman Aerospace Engineering Corporation – Drainage Plan and Details – September 1950

The location of several interconnected dry wells are shown adjacent to the runway (between the runway and taxiway) and along the perimeter roadway. In addition, construction

details (i.e., plan and section) of the dry wells are provided noting that they are 15 feet in diameter by 14 feet – 10 inches deep with a 12-inch gravel bottom. Details of the top slab with an integrated 1-foot – 9 inches by 1-foot – 11 inches rectangular grating are also provided.

#### 3.1.4 Summary of Prior Assessments

The assessment activities conducted in support of the February 1993 Site 6 (Runway) Delisting Petition, did not reveal any evidence of on-site storage tanks. In addition, records pertaining to any on-site chemical and/or fuel spills were not identified. Similarly, areas of stressed vegetation were not observed during the May 1992 site inspection.

The field program conducted in support of the February 1993 Site 6 (Runway) Delisting Petition included the installation and sampling of two downgradient monitoring wells (S6MW-1 and S6MW-2) and two upgradient monitoring wells (S9MW-1 and S8MW-1). Groundwater samples were also collected from two existing wells, USGS well 10594 and Grumman well GM-16S. Groundwater monitoring wells in the immediate vicinity of the existing Parcel L2 site are shown on Figure 2-2. It should be noted that well S6MW-2 is actually located on the existing Parcel L2 site (see Figure 2-2). Monitoring wells S9MW-1, 10594 and S8MW-1 are located upgradient of the Parcel L2 site, and well S6MW-2 is located in what could be considered a downgradient location. Monitoring wells GM-16S and S6MW-1 are located beyond the Parcel L2 site study area and are therefore excluded from further discussion.

A description of the analytical results of the groundwater samples collected from only the on-site well and those closest to the site (S6MW-2, S9MW-1, S8MW-1 and 10594) on August 31, 1992 and September 1 and 2, 1992 follows:

One groundwater sample was collected from each well and analyzed for volatile organic compounds (VOCs) using Method 624, and metals using USEPA SW-846 Method 6010. VOCs were either not detected or were detected at concentrations well below the New York State Department of Health (NYSDOH) drinking water standards with the following exception:

methylene chloride was detected at a concentration of 4 ug/l (below the drinking water standard of 5 ug/l) at S9MW-1. The Delisting Petition noted that methylene chloride was detected in the field and trip blanks, and was therefore attributed to laboratory contamination.

Inorganic constituents were not detected in groundwater samples at levels above NYSDOH drinking water standards with the exception of lead, which was detected at 249 ug/l in USGS well 10594 (above the standard of 50 ug/l). The Delisting Petition noted that the sample could not be obtained at a turbidity of less than 50 NTUs, so an additional sample was filtered to remove soil particles prior to laboratory analysis. Lead was not detected in the filtered sample from USGS well 10594. The Delisting Petition concluded that all inorganic constituents related to groundwater quality were detected at concentrations below the NYSDOH drinking water standards.

In addition, one soil sample from each monitoring well borehole was collected and analyzed for VOCs using USEPA SW-846 Method 8010/8020, and total petroleum hydrocarbons (TPHCs) using USEPA Method 418.1. VOCs were not detected above method detection limits, with the exception of toluene which was detected at a concentration of 0.8 ug/kg in monitoring well S6MW-2. This concentration is well below the NYSDEC recommended cleanup objective of 1,500 ug/kg. Also, methylene chloride was detected in the soil sample from monitoring well borehole S6MW-2 at a level of 16 ug/kg. Since methylene chloride was also detected in the field blank and the compound is a common laboratory chemical, the Delisting Petition stated that its presence in the environmental sample could be attributed to laboratory contamination.

With respect to TPHC analyses, TPHCs were detected at 220 mg/kg in the soil sample collected from the S6MW-2 borehole. The Delisting Petition noted that there was no evidence of prior fuel spills or releases and no evidence of discoloration or petroleum odors associated with the geologic or laboratory samples collected. To determine if the TPHCs were attributable to fuel-related compounds, the sample was also analyzed for fuel-related constituents utilizing NYSDOH Method 310-13. The analytical results indicated that fuel-related constituents such as gasoline, lubricating oil, kerosene and fuel oil were not detected above the method detection

limits. The Delisting Petition concluded that the appearance of TPHCs in the borehole soil sample was not associated with any fuel-related spills.

An additional soil sample was collected adjacent to S6MW-2 and analyzed for polychlorinated biphenyls (PCBs) in March 1994. The sample was collected at the request of the NYSDEC during their evaluation of the Site 6 (Runway) Delisting Petition. A soil boring was advanced immediately adjacent to S6MW-2, and a sample was collected at the same interval that the TPHCs were previously detected. PCBs were not detected above method detection limits in the sample.

A Phase I Environmental Site Assessment of the previous Parcel L2 property (as shown in Figure 3-1) was conducted by ERM in November 1996. According to ERM, "the Phase I Environmental Assessment was conducted in accordance with the scope and limitations of ASTM Standard E 1527-94 and the agreed upon scope of work. The assessment included:

- Detailed on-site inspection of the subject property to identify the presence of visual signs of contamination, above and below-grade storage tanks, wells, waste disposal facilities, cesspools, PCB-containing electrical equipment, or other conditions of environmental concern;
- Identification of any adjacent operations or facilities that could have negatively impacted the subject property by evaluating surrounding land use based on visual observations of adjacent properties;
- General review of any relevant maps, aerial photographs, and design drawings which were available to ascertain the presence of subsurface features and conditions not readily apparent (e.g., abandoned tanks, pipelines, etc.);
- Interviews with appropriate NGC personnel to develop an understanding of past activities at the facilities;
- Examination of prior land use of the site through available on-site records and interviews with persons knowledgeable about the history of the site to determine if past uses may have resulted in adverse environmental impact;
- Analysis of historical environmental-related regulatory requirements and compliance records for the buildings and property, known or suspected hazardous material disposal or storage issues, recorded spills, discharges or other incidents of

- environmental concern known to have occurred at, or within a reasonable distance from the property;
- Review of readily available federal and state computer database records concerning the subject property and sites within a reasonable distance of the subject property; and
- Evaluation of any existing soil and groundwater quality data to determine if a need exists to sample soils and/or install groundwater monitoring wells.”

In addition, ERM concluded that “the subject property was clean and well maintained. Distressed, dying or dead vegetation that would suggest surface spills or chemical releases were not observed.”

Also, as stated by ERM, the “assessment has revealed no evidence of existing adverse environmental conditions in connection with the subject property except for the following:

- The facility is located in an industrial and commercial area of Bethpage. There are several areas of environmental concern located within a quarter-mile radius of the subject property, including SHWS, LUST and NY Spills sites. Since regional groundwater flow is generally to the south or southeast, it is not expected that contamination at sites to the south, southwest, and east of the subject property would affect groundwater quality at the subject property. There is considerable evidence that there has been degradation of groundwater quality below NYSDOH drinking water standards at the subject property caused by historical industrial activities at the Naval Weapons Industrial Reserves Plant (NWIRP) and potentially other sources (e.g., OCC/Ruco Polymer Corporation site and NGC activities) (located directly north and northeast of the subject property).
- Soil quality may have been impacted on the subject property. There is some potential that contaminated fill materials may have been used when the airport runway was extended across South Oyster Bay Road. Soil borings were placed along the northern boundary of the subject property as part of a Phase II baseline soil quality investigation of adjacent north runway property. Preliminary sample analysis data indicates that the north-northwest border of the subject property is contaminated with heavy metals and semivolatile organic compounds (SVOCs). Soil contamination was also found in the vicinity of aircraft blast fences. The extent of heavy metal and SVOC contamination in fill materials underlying the northwestern portion of the subject property is unknown.”

As a result, ERM recommended that, “based upon a review of available information, site visits, and interviews with NGC personnel, there were several areas of environmental concern identified in the vicinity of Parcel L2”.... “There exists strong evidence of groundwater contamination and some potential for soil contamination. Groundwater contamination does not appear to originate at the subject property but is potentially caused by historical activities at either the NWIRP, OCC/Ruco Polymer Corporation NPL site, and/or NGC sites. These groundwater sources have been, and continue to be, investigated to determine the nature and extent of contamination. The Navy, OCC/Ruco Polymer Corporation, and NGC are tasked by the USEPA and the NYSDEC to complete the groundwater investigation, prepare feasibility studies to determine the most appropriate remedial actions, and implement the remedial actions necessary to clean up the contaminated groundwater. No further Phase II work is required to evaluate groundwater quality at the subject property.”

In addition, ERM recommended that “NGC conduct a Phase II evaluation of soil quality, consisting of the following tasks:

1. Evaluate soil quality in the northwestern portion of the subject property by completing soil borings and collecting soil samples. Soil borings should be advanced and soil samples collected at several locations in the northern portion of the property to determine the lateral and vertical extent of organic and inorganic compound contamination. The soil samples should be analyzed for the presence of volatile and semivolatile organic compounds, and priority pollutant metals. Soil samples should also be analyzed for the presence of total petroleum hydrocarbons (TPH) by USEPA Method 418.1 (and fuel-related constituents by NYSDOH Method 310.13 if TPH is identified).
2. Complete a soil sampling program to establish a baseline of soil quality throughout the subject property. Soils near the previous location of the compass rose blast fence, old runway aircraft turn around area, and along the railroad should be specifically targeted for investigation. Soils in the storm water catch basins should also be included in the investigation. Analyze soil samples for the presence of VOCs, SVOCs, priority pollutant metals, and TPH by USEPA Method 418.1 (and fuel-related constituents by NYSDOH Method 310.13 if TPH is identified).”

Based on the recommendations of the Phase I report, a Phase II Site Assessment of the previous North Runway-Parcel L2 property was conducted by D&B in March 1997. The Phase II field investigation at the North Runway-Parcel L2 site investigated four areas of concern:

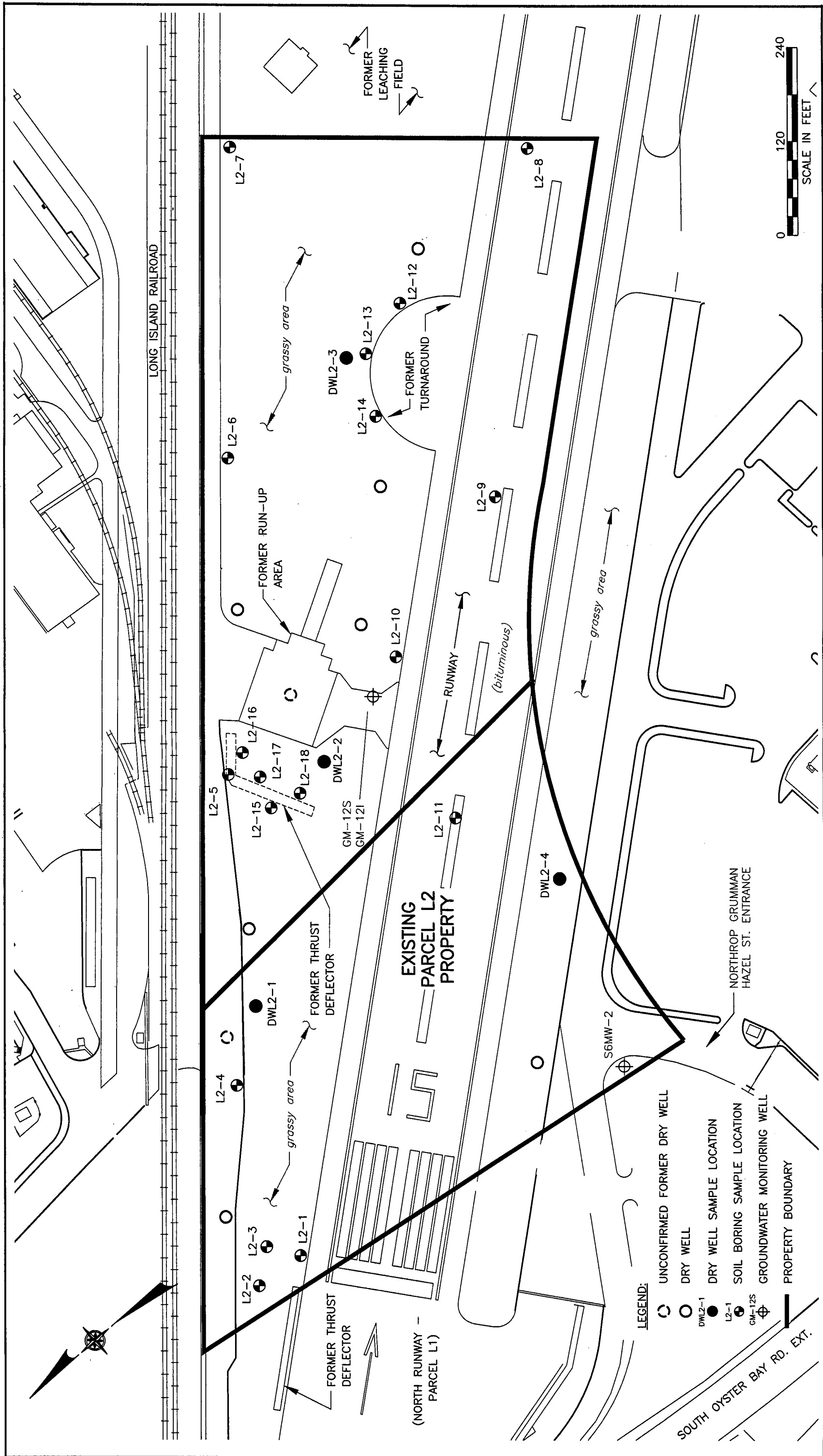
- Area Adjacent to Former Thrust Deflector on North Runway-Parcel L1;
- Perimeter and Center of Runway;
- Former Runway Turnaround; and
- Former Run-Up Area Thrust Deflector.

As shown on Figure 3-1, a total of 18 soil borings were advanced and subsurface soil samples collected during the Phase II field investigation. It should be noted that only five soil borings were actually advanced on the existing Parcel L2 property. A discussion of the analytical results, for soil borings located in the existing Parcel L2 property, is provided below.

It should be noted that as discussed in Section 1.0, NGC has been proceeding with the scheduled and systematic "shutdown" of major portions of the Bethpage facility. Toward that end, NGC has "subdivided" the entire facility and is in the process of selling buildings and land in the commercial real estate market. As a result, a majority of the Parcel L2 property previously identified in the November 1996 Phase I Environmental Assessment and March 1997 Phase II Site Assessment has been excluded from this Phase I Site Assessment Update due to NGC's subdivision and selling of buildings and land in the commercial real estate market.

*Area Adjacent to Former Thrust Deflector on North Runway-Parcel L1*

As shown on Figure 3-1, a total of three borings were advanced and 15 soil samples were collected from the area adjacent to the former thrust deflector on the North Runway-Parcel L1 at boring locations L2-1, L2-2 and L2-3 (i.e., five samples collected at each location) and analyzed for VOCs, SVOCs, TPHCs/fuel-related constituents and priority pollutant metals. The results are summarized as follows:



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**SOIL BORING AND DRY WELL LOCATION MAP**

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Samples L2-1 through L2-3 (0-1', 1'-2', 2'-4', 4'-6' and 6'-8'):

- Volatile Organic Compounds
  - Not detected above NYSDEC TAGM criterion.
- Semivolatile Organic Compounds
  - Benzo(a)anthracene was detected at concentrations exceeding the NYSDEC TAGM criterion in L2-1 (0-1', 1'-2' and 6'-8') and L2-3 (0-1').
  - Chrysene was detected at concentrations exceeding the NYSDEC TAGM criterion in L2-1 (0-1' and 1'-2').
  - Benzo(b)fluoranthene and benzo(k)fluoranthene were detected at concentrations exceeding the NYSDEC TAGM criteria in L2-1 (0-1').
  - Benzo(a)pyrene was detected at concentrations exceeding the NYSDEC TAGM criterion in L2-1 (0-1', 1'-2', 4'-6' and 6'-8'), L2-2 (0-1') and L2-3 (0-1' and 6'-8').
  - Total polycyclic aromatic hydrocarbons (PAHs) and total carcinogenic PAHs (CaPAHs) did not exceed the NYSDEC TAGM criteria in the soil samples collected at boring locations L2-1 through L2-3.
  - Total Petroleum Hydrocarbons/Fuel-Related Constituents
    - TPHCs were detected at concentrations ranging from 16.6 mg/l/kg (mg/kg) in L2-2 (2'-4') to 53.2 mg/kg in L2-3 (0-1').
    - TPHCs were not detected in L2-1 (2'-4', 4'-6' and 6'-8'), L2-2 (1'-2' and 4'-6') and L2-3 (2'-4').
    - Fuel-related constituents, where analyzed, were not detected.
- Priority Pollutant Metals
  - Arsenic was detected at concentrations exceeding the Eastern USA background level of 12 mg/kg in L2-1 (0-1') and L2-3 (1'-2').
  - Mercury was detected at concentrations exceeding the Eastern USA background level of 0.2 mg/kg in L2-1 (0-1') and L2-3 (6'-8').
  - Zinc was detected at a concentration exceeding the Eastern USA background level of 50 mg/kg in L2-1 (0-1').

- Priority pollutant metals were not detected above Eastern USA background levels in L2-1 (1'-2', 2'-4', 4'-6' and 6'-8'), L2-2 (0-1', 1'-2', 2'-4', 4'-6' and 6'-8') and L2-3 (0-1', 2'-4' and 4'-6').

Perimeter and Center of Runway

As shown on Figure 3-1, a total of two borings were advanced and eight soil samples were collected from the perimeter and center of the existing Parcel L2 site at boring locations L2-4 and L2-11 (i.e., four samples collected at each location) and analyzed for VOCs, SVOCs, TPHCs/fuel-related constituents and priority pollutant metals. The results are summarized as follows:

Samples L2-4 and L2-11 (0-1', 1'-2', 2'-4' and 4'-6'):

- Volatile Organic Compounds
  - Not detected above NYSDEC TAGM criterion.
- Semivolatile Organic Compounds
  - Benzo(a)pyrene was detected at concentrations exceeding the NYSDEC TAGM criterion in L2-4 (0-1').
- Total Petroleum Hydrocarbons/Fuel-Related Constituents
  - TPHCs were detected at concentrations ranging from 86.0 mg/kg in L2-11 (1'-2') to 8,700 mg/kg in L2-4 (0-1').
  - TPHCs were not detected in soil sample L2-11 (2'-4').
  - Fuel-related constituents, where analyzed, were not detected.
- Priority Pollutant Metals
  - Beryllium was detected at a concentration exceeding the Eastern USA background level of 1.75 mg/kg in L2-4 (2'-4').
  - Priority pollutant metals were not detected above Eastern USA background levels in L2-4 (0-1', 1'-2' and 4'-6') and L2-11 (0-1', 1'-2', 2'-4' and 4'-6').

In addition, soil/sediment samples were collected from four dry wells DWL2-1, DWL2-2, DWL2-3 and DWL2-4 during the Phase II field investigation. The soil/sediment samples were collected by advancing a boring through the center of each dry well and collecting samples from 0 to 2 feet and 2 to 4 feet below the bottom of each dry well. It should be noted that only dry wells DWL2-1 and DWL2-4 are located on the existing Parcel L2 property. Prior to collecting the samples, the liquids were removed/pumped out from each dry well, if present, and transported and disposed of at the NGC Industrial Waste Treatment Plant (IWTP), as well as off-site at International Petroleum Corporation (IPC) of Delaware in Wilmington, Delaware.

As shown on Figure 3-1, a total of four soil/sediment samples were collected from the two dry wells located on the existing Parcel L2 property (i.e., two samples from each dry well) and analyzed for VOCs, SVOCs, TPHCs/fuel-related constituents and priority pollutant metals. The results are summarized as follows:

Samples DWL2-1 and DWL2-4 (0-2' and 2'-4'):

- Volatile Organic Compounds
  - Not detected above NYSDEC TAGM criterion.
- Semivolatile Organic Compounds
  - Benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene were detected at concentrations exceeding the NYSDEC TAGM criteria in DWL2-1 (0-2').
  - Total CaPAHs exceeded the NYSDEC TAGM criterion in DWL2-1 (0-2').
- Total Petroleum Hydrocarbons/Fuel-Related Constituents
  - TPHCs were detected at concentrations ranging from 23 mg/kg in DWL2-1 (2'-4') to 24 mg/kg in DWL2-4 (0-2').
  - TPHCs were not detected in sediment sample DWL2-4 (2'-4').
  - Fuel-related constituents, where analyzed, were not detected.

- **Priority Pollutant Metals**

- Priority pollutant metals were not detected above Eastern USA background levels in DWL2-1 (2'-4') and DWL2-4 (0-2' and 2'-4').

The March 1997 Phase II Site Assessment concluded that the constituents of concern detected are likely associated with normal and intended use of commercially available products found in virtually all households and commercial establishments and that they are not likely associated with releases from any chemical process operations, manufacturing, chemical storage, waste storage or chemical or oil releases or spills. In addition, some of the constituents detected are likely associated with either exhaust from commercial or military aircraft or possibly from commercially available herbicides, rodenticides or wood treatment formulations sold "over the counter" and utilized in common runway maintenance programs. Other constituents detected are comparable to constituents which are found with typical urban and suburban storm water associated with parking lots, roadways and highways, and recharge basins serving this infrastructure. Regardless of whether commercially available products were used either prior to or subsequent to Environmental Protection Agency (EPA) registration requirements, they would likely not significantly modify the chemical constituents utilized.

As a result, the findings of the March 1997 Phase II Site Assessment did not warrant classifying these areas as potential areas of environmental concern requiring additional investigation and/or possible future remediation.

### **3.2 Present Uses**

As indicated in Section 2.0, the site inspection conducted on August 2, 2000 revealed that the Parcel L2 site is currently inactive.

In addition, approximately half of the site is covered by asphalt, concrete or other impervious building materials from the former runway and associated roadways and tarmac areas. The remaining portions of the site are covered by grassy areas. NGC Quadrangle maps of

the Parcel L2 property indicate underground water supply, sanitary sewer, electrical, telephone and gas lines are located beneath the site as well as storm water dry wells with interconnecting piping.

# Section 4

CONFIDENTIAL

## **4.0 REGULATORY COMPLIANCE HISTORY**

This section presents a discussion of the regulatory compliance history of the site and surrounding areas. Information presented in this section has been compiled based upon a review of NGC files available at the Bethpage facility and Nassau County Department of Health (NCDOH), as well a review of available federal and state environmental databases.

### **4.1 Local Agency File Search**

As part of the previous site assessment and investigation activities, an investigation and evaluation of local agency records was conducted to identify any potential environmental concerns. Accordingly, file reviews were conducted at the NCDOH to supplement the findings of the state and federal environmental database search.

According to information on file at the NCDOH, the NGC Bethpage Facility was first listed on the State's Registry of Inactive Hazardous Waste Disposal Sites in 1983 as a Class 2a site. In 1988, a Class 2 designation was assigned to the facility. In 1992, the Bethpage Facility was separated into two sites, the Naval Weapons Industrial Reserve Plant site and the NGC Bethpage facility. The NWIRP site is located north of the Parcel L2 property, and is upgradient with respect to the direction of groundwater flow for at least a portion of the year. The Parcel L2 site was initially included within the property boundary of the NGC Bethpage Facility Inactive Hazardous Waste Disposal Site; however, the property was delisted on September 30, 1994 (refer to Appendix C). NGC entered into a consent order with the NYSDEC to conduct an on-site and off-site Remedial Investigation/Feasibility Study (RI/FS) of the Bethpage Facility. A report containing the data collected during the first phase of the RI was submitted to NYSDEC in January 1992, and a final RI report (including the results of the Phase I and Phase II RI's) was submitted in September 1994.

The RI report indicates that the horizontal direction of groundwater flow in the shallow zone of the Upper Glacial (or water table) aquifer is generally to the south and southeast, but is greatly affected by localized groundwater pumpage (from NGC production wells) and recharge

(mainly from NGC recharge basins). Groundwater contour maps (for April and August 1993) are included in Appendix C. Pumpage effects (depression of groundwater) are apparent near Plant 15 (near NGC production well GP-13). Recharge effects (mounding of groundwater) are evident around the recharge basins near Plant 3 and Plant 5, the southern series of recharge basins, and to a lesser extent around the recharge basins near Parcel L2. In addition, mounding is also observed along the eastern border of the Ruco Polymer Corporation site and is presumably due to recharge occurring on the Ruco site.

The RI report indicates that groundwater sampling conducted during the Phase I RI and the Phase II RI identified two plumes of groundwater contamination (eastern plume and western plume) near the center of the Bethpage Facility. The eastern plume contains trichloroethene (TCE), tetrachloroethene or perchloroethylene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,2 dichloroethene (1,2-DCE), 1,1-dichloroethene (1,1-DCE) and 1,1-dichloroethane (1,1-DCA). The RI report indicates that the eastern plume is defined by monitoring wells GM-14I, GM-16I, GM-19I, GM-22D, HN27S3, and well clusters GM-13 and HN-29. These wells are located northeast and southeast of the Parcel L2 site (refer to maps in Appendix C). Groundwater contamination with the eastern plume is not likely to impact the Parcel L2 site. The RI report indicates that the western plume consists primarily of TCE, and that it is defined by monitoring wells GM-12S, GM-12I, GM-18S, GM-18I, GM-32S, HN-24S, HN-24I2, and NGC production wells GP-1 and GP-2 (refer to maps in Appendix C). Monitoring wells GM-12S, GM-12I, HN-24S and HN-24I2 are located near the Parcel L2 property and the western-most edge of the plume appears to be in close proximity to the eastern boundary of the Parcel L2 site (see Figure 2-2).

Another area of contamination was identified in the RI report. This area is located at the border of the Ruco Polymer Corporation site and the NGC property. The report indicates that this area of groundwater contamination generally consists of TCE, PCE, 1,1,1-TCA, 1,1-DCE, and vinyl chloride. This area of contamination is defined by monitoring well clusters GM-4, GM-5, GM-10, GM-23, and NGC production wells GP-5, GP-8 and GP-14 (refer to maps in Appendix C). No discrete plume or plumes are present. Monitoring well clusters GM-10 and



GM-23, and NGC production wells GP-5 and GP-14 are located near the Parcel L2 site (see Figure 2-2).

The RI report also indicates that contaminants have been detected in groundwater south and southeast, hydraulically downgradient of the NGC property. No discrete plume or plumes are present. Groundwater contamination in these areas will not impact the Parcel L2 site.

The RI report identified a TCE storage tank at former Plant 2, located to the south of the Parcel L2 site, as a source of groundwater contamination. A soil vapor extraction (SVE) system was installed at the source area and is designed to remove TCE in unsaturated soils in that area, in order to prevent further contamination of the groundwater. Former Plant 2 is located downgradient of the Parcel L2 property and, therefore, groundwater contamination near former Plant 2 is not likely to impact the Parcel L2 site.

In addition, the RI report identified Plant 15 (located north of the Parcel L2 site) as a possible source of PCE contamination based on the results of a soil-gas survey. Based upon discussions with the New York State Department of Environmental Conservation (NYSDEC), soil and groundwater sampling showed no significant contamination and failed to locate a source of vapors. According to the NYSDEC representative, additional sampling was conducted, with similar results. The NYSDEC representative indicated that the area impacted is located adjacent to the Plant 15 loading dock and is approximately 20 feet in radius. In addition, under an agreement with NYSDEC, NGC had installed the SVE System (originally at former Plant 2) at the Plant 15 area for approximately 30 days. The soil vapor extraction period was completed and the system has been returned to former Plant 2. Based upon the available information, it does not appear likely that the Parcel L2 site is impacted.

The RI report contained a summary of the findings of a Phase 1 and Phase 2 RI of the NWIRP site completed in May 1992 and October 1993, respectively. The NWIRP Phase I RI consisted of a soil gas survey, soil sampling, surface water and sediment sampling, and monitoring well and groundwater sampling.

The soil gas survey indicated the presence of solvents near a former drum marshalling area with the detection of PCE and TCE. Soil samples from a recharge basin and from a salvage storage area contained volatile organic compounds (VOCs). In addition, soil samples from the former drum marshalling area contained elevated concentrations of polychlorinated biphenyls (PCBs), polynuclear aromatic hydrocarbons (PAHs), pesticides and inorganics. VOCs (including TCE, PCE, 1,1,1-TCA, 1,1-DCA, 1,1-DCE and 1,2-DCE) were detected in groundwater samples obtained from wells near the former drum marshalling area.

Groundwater downgradient of the salvage storage area contained elevated levels of TCE and lesser concentrations of PCE and 1,1,1-TCA. Groundwater samples from wells near recharge basins contained TCE. Surface water in the recharge basins contained TCE, and sediment in the recharge basin contained TCE and PCE.

The NWIRP Phase II RI included a soil gas survey, soil sampling, and monitoring well installation and groundwater sampling.

The soil gas survey indicated several areas at Plant 3 had high levels of VOCs (including PCE, TCE and 1,1,1-TCA). Lower concentrations of these compounds were also detected at the drum storage area. Soil samples collected from the former drum marshalling area, salvage storage area and the recharge basin area contained PCBs, and soil sampling near monitoring well cluster HN-24 reported levels of TCE and toluene.

Groundwater samples obtained from wells near the former drum marshalling area contained PCE, TCE, 1,1,1-TCA, 1,1-DCA and 1,2-DCE. Groundwater near Plant 3 contained elevated concentrations of TCE.

The RI report indicated that specific sources of contamination have not been fully delineated on the NWIRP site or Ruco Polymer Corporation property; however, the groundwater flow and quality data compiled from the previous investigations indicate that contamination likely originated from one or more sources on the NWIRP and Ruco sites and from at least one source on the NGC Bethpage facility property.

In addition to the aforementioned RI report, additional groundwater quality data was obtained from the NCDOH. This data included the analytical results of groundwater samples obtained from other monitoring wells in the vicinity of the Parcel L2 site. In particular, historical data was available for USGS monitoring well 10594. Monitoring well 10594 is shallow (76 feet deep) and is located near the northwestern corner of the Parcel L2 site (see Figure 2-2). The analytical results of groundwater samples collected from this well between October 1986 and November 1988 indicate elevated concentrations of TCE ranging from 83 ug/l to 440 ug/l that exceeded the NYSDOH drinking water standard of 5 ug/l for this compound. However, sampling of this well in September 1992 showed that the TCE concentration of 3 ug/l was less than the standard. Other shallow upgradient wells are S9MW-1 (71 feet deep) and S8MW-1 (65 feet deep). TCE was detected at a low level (1 ug/l) in the groundwater sample from S8MW-1. No other compounds were detected above detection limits in the sample from this well. Based on the RI report, well S8MW-1 is upgradient only during peak pumpage and peak recharge. The sample from well S9MW-1 contained 4 ug/l of methylene chloride; however, the presence of this compound is attributable to laboratory contamination. Monitoring well S6MW-2 is located on the Parcel L2 site. It is also a shallow well (70 feet deep) and is located near the southern boundary of the property. No compounds were found at levels above detection limits in the sample from this well.

Monitoring well cluster GM-12 is comprised of a shallow well, GM-12S (55 feet deep), and an intermediate depth well, GM-12I (116 feet deep). Based on the RI report, both of these wells were used to define the western-most edge of the western plume of groundwater contamination. The RI report indicates that GM-12S may be considered slightly upgradient of the extreme southeastern corner of the Parcel L2 site mainly during times of peak pumpage and peak recharge. Groundwater samples collected from GM-12S contained TCE at concentrations of 45 ug/l in October 1991 and 20 ug/l in August 1993 that exceeded the NYSDOH drinking water standard of 5 ug/l. In addition, the sample collected from GM-12S in October 1991 contained 1,2-DCE at a level of 6 ug/l that exceeded the drinking water standard of 5 ug/l for this compound. However, 1,2-DCE was not detected in the sample obtained from this well in August 1993. The groundwater samples collected from the deeper well, GM-12I, contained TCE at

concentrations of 3,100 ug/l in October 1991 and 1,000 ug/l in August 1993 that exceeded the drinking water standard. In addition, the sample collected from GM-12I in August 1993 contained toluene at a level of 13 ug/l that exceeded the drinking water standard of 5 ug/l. However, toluene was not found in the sample obtained during the previous sampling in October 1991.

Monitoring well cluster GM-23 consists of a shallow well, GM-23S (56 feet deep) and an intermediate depth well, GM-23I (120 feet deep). Based on the RI report, both of these wells appear to be downgradient of the Parcel L2 site. The groundwater samples collected from GM-23S did not contain any compounds above detection limits during the sampling events in October 1991 and August 1993. The groundwater samples obtained from the deeper well, GM-23I, contained TCE and PCE at levels that exceeded the drinking water standards of 5 ug/l for these compounds. Monitoring well GM-23I contained TCE at 9 ug/l in October 1991 and 20 ug/l in August 1993, and PCE at 13 ug/l in October 1991 and 6 ug/l in August 1993. In addition, the sample collected from GM-23I in October 1991 contained 1,2-DCE at a concentration of 5 ug/l, which is the same as the drinking water standard. However, 1,2-DCE was found at a level of 3 ug/l that was below the standard in August 1993. The sample from August 1993 also contained 1 ug/l of 1,1,1-TCA.

In addition to this groundwater quality information, the USGS conducted an investigation of groundwater quality over a wide area that encompassed the site. Beginning in 1985, the USGS conducted an investigation of the hydrogeology and groundwater quality of the Bethpage-Hicksville-Levittown area. The study area included the Ruco Polymer Corporation, NWIRP and NGC Bethpage Facility sites. The results of this study were summarized in three reports, the second of which was entitled, "Ground-Water Quality in the Bethpage-Hicksville-Levittown Area, Long Island, New York, With Emphasis on Volatile Organic Compounds." This report summarized groundwater quality in the study area based on the analysis of groundwater samples collected from monitoring wells and industrial wells in the Spring and Fall of 1986 and 1987. The findings of this report identified the presence of a plume of groundwater contamination primarily consisting of several volatile organic compounds including TCE, PCE, 1,1,1-TCA, 1,2-DCE, 1,1-DCA and vinyl chloride. This plume was described as being present beneath and

extending southward from the Ruco Polymer, NWIRP and NGC Bethpage Facility sites. The plume in 1987 was reported to be approximately 5,700 feet wide, 12,000 feet long and greater than 500 feet thick. Isoconcentration contour maps presented in the USGS study delineated the areal extent of the plume and indicated that the plume was present beneath the Parcel L2 site.

#### 4.2 State and Federal Environmental Database Search

An updated computer environmental database search of state and federal record sources for the site and surrounding areas was undertaken in accordance with the ASTM minimum search distance criteria for this Phase I Site Assessment Update. This section presents a summary of the information provided in the environmental database report. A detailed report is presented in Appendix B. Databases summarized below include the following:

<u>Database</u>	<u>Search Distance</u>
• National Priorities List (NPL)	1 1/8 mile
• Delisted NPL Sites	1 1/8 mile
• Resource Conservation and Recovery Act (RCRA) Corrective Actions (CORRACTS)/TSD Facilities List	1 1/8 mile
• State Inactive Hazardous Waste Disposal Sites (SHWS)	1 1/8 mile
• NPL Record of Decision (ROD)	1 1/8 mile
• Superfund (CERCLA) Consent Decrees (CONSENT)	1 1/2 mile
• Resource Conservation and Recovery Information System (RCRIS) Hazardous Waste Treatment, Storage and Disposal Facilities (RCRIS - TSD)	5/8 mile
• Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Sites/CERCLIS - No Further Remedial Action Planned (CERCLIS-NFRAP) Sites	5/8 mile and 3/8 mile, respectively
• Leaking Storage Tanks (LTANKS)	5/8 mile
• Spills Information (SPILLS)	Target property

<u>Database</u>	<u>Search Distance</u>
• Solid Waste Facilities/Landfill Sites (SWF/LF)	5/8 mile
• RCRA Administrative Action Tracking System (RAATS)	Target property
• Toxic Chemical Release Inventory System Database (TRIS)	Target property
• State Registered Above and Underground Storage Tanks (ASTs and USTs)	Target property and 3/8 mile, respectively
• Emergency Response Notification System (ERNS), Reported Releases of Oil and Hazardous Substances	Target property
• RCRIS Hazardous Waste - Large Quantity Generators (RCRIS-LQG)	3/8 mile
• RCRIS Hazardous Waste - Small Quantity Generators (RCRIS-SQG)	3/8 mile
• Material Licensing Tracking System (MTLS)	Target property
• Federal Superfund Liens (NPL Liens)	Target property
• Hazardous Materials Information Reporting System (HMIRS)	Target property
• Toxic Substances Control Act (TSCA)	Target property
• PCB Activity Database System (PADS)	Target property
• Facility Index Database System (FINDS)	Target property
• Chemical Bulk Storage (CBS) Database ASTs and USTs	3/8 mile
• Major Oil Storage Facility (MOSF) Database ASTs and USTs	5/8 mile
• Hazardous Substance Waste Disposal Site Inventory (HSWDS)	5/8 mile
• Mines Master Index File (MINES)	3/8 mile
• Voluntary Cleanup Agreements (VCP)	5/8 mile

A summary of the information on each of the sites identified in the environmental database search is presented below by database category. It should be noted that the database report also contains information on sites that could not be accurately mapped due to poor or

inadequate address information. These sites are listed in an "orphan summary" in the back of the database report, with database information provided in the "detailed orphan listing" section. Many of the orphans are NGC listings not assigned to a specific building or location. This information is also included below by database category.

### National Priorities List (NPL)

The USEPA's NPL database lists uncontrolled or abandoned hazardous waste sites that have been identified for priority remedial action under the federal Superfund program. The latest government version of this database is dated June 2000.

Ruco Polymer Corporation: The database report has identified the Ruco Polymer facility (a.k.a. Hooker Chemical) as an NPL site. The site has been on the federal Superfund list since 1984 and remains an "active" plastics manufacturing facility. The site has been the subject of monitoring and investigations intended to identify the extent of contamination resulting from previous waste disposal practices. Two operable units requiring remedial action were originally identified at the Hooker Chemical Site.

Operable Unit 1 has necessitated the remediation of soil and groundwater contaminated by VOCs used in the various manufacturing processes employed by the facilities on-site. Based upon communication with the USEPA, the RI report was approved on December 7, 1992. The associated Feasibility Study was subsequently completed and a Record of Decision on a Proposed Remedial Action Plan was signed on January 28, 1994. Based upon recent communications with the USEPA, a unilateral administrative order has been issued and a draft Work Plan is currently being reviewed by the USEPA.

Operable Unit 2 pertains to a relatively small area of soil contaminated by PCBs resulting from releases of the heat transfer fluid Therminol. The migration of PCBs resulted from on-site runoff and on-site truck traffic. However, the extent of contaminated soil was contained entirely on the Ruco Polymer/Hooker Chemical site. No off-site contamination from Operable Unit 2 was identified. Remedial action involving Operable Unit 2 has been completed.

According to the USEPA, a third operable unit which involves the investigation of groundwater quality off-site is now in the RI/FS stage. The RI/FS work includes installation and sampling of monitoring wells, groundwater elevation measurements and modeling work. Until the USEPA releases all details regarding Operable Units 1 and 3, and the ongoing investigation is complete, it is not possible to fully characterize the extent of potential off-site impacts from the Ruco Polymer Corporation site.

According to the database report, a distance of approximately 1/8 miles separates the Ruco Polymer Corporation site from the Parcel L2 site, which is located to the southeast. Based upon a review of water table elevation and contour maps, dated April and August 1993 (refer to Appendix C), groundwater flow direction in the vicinity of the Hooker Chemical and the Parcel L2 properties varies on a seasonal basis. The predominant direction of groundwater flow is to the southeast. However, on a localized basis, groundwater mounding from recharge basins and the effects of groundwater withdrawal by nearby production wells causes seasonal shifts in flow direction. In general, based upon a review of the water table contour maps, the Parcel L2 site is downgradient with respect to the predominant direction of groundwater flow, from the Ruco Polymer site.

#### **Delisted NPL Sites**

Sites that are listed on the NPL database may be deleted by the USEPA where it has been determined that no further response is appropriate. The latest government version of this database is dated June 2000. According to the database report, there are no sites identified on the Delisted NPL database.

#### **Resource Conservation and Recovery Act (RCRA) Corrective Actions (CORRACTS)/TSD Facility List**

The USEPA maintains this database of RCRA facilities which are undergoing "corrective action." A "corrective action order" is issued pursuant to RCRA section 3008(h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.



Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it pre-dates RCRA. The latest government version of this database is January 2000.

Grumman Aerospace Corporation: The NGC facility is identified on the CORRACTS database, with a "high" prioritization status. The database indicates a "RCRA Facility Assessment" has been completed and an "RFI work plan" and "RFI" have been approved. In addition, a "Stabilization Measures Evaluation" and a "Corrective Measures Study" (CMS) has been completed. The database report indicates "stabilization measures" have been implemented. Based upon a review of the database report, a distance of approximately 1/2 mile separates this facility from the Parcel L2 property.

Ruco Polymer Corporation: The CORRACTS database lists the Ruco Polymer Corporation site as having a "high" prioritization status. The database indicates that a "RCRA Facility Assessment" has been completed.

MarketSpan Corporation Services: The CORRACTS database lists the MarketSpan Corporation Services facility (located greater than 1-mile northwest of the Parcel L2 site) as having a "low" prioritization status. The database also indicates that a "RCRA Facility has been completed.

#### **State Inactive Hazardous Waste Disposal Sites (SHWS)**

This database is the New York State Registry of Inactive Hazardous Waste Disposal Sites and is provided by the NYSDEC. The latest government version of this database is dated April 1999.

Grumman Aerospace - Bethpage Facility: In the database report, the "Grumman Aerospace - Bethpage Facility" is identified on the SHWS database. The facility type is listed as "lagoon landfill." State status is listed as "remedial action in progress." Pollutants listed are "chromium sludge," "paint sludge," "metals and "chlorinated solvents."

Naval Weapons Industrial Reserve Plant (NWIRP): In the database report, the NWIRP was identified on the SHWS database. The facility type was listed as "lagoon landfill" and its State status was "remedial action in design in progress." The pollutants identified on the database were "trichloroethylene," "tetrachloroethene," "1,1,1-trichloroethane," "cyanide" and "arsenic." As stated previously, the Parcel L2 site is located to the west and southwest of the NWIRP, which is downgradient with respect to groundwater flow for at least a portion of the year.

In addition, in the orphan section of the report, the Ruco Polymer Corporation and America Drive-in Cleaners were identified on the SHWS database.

### **NPL Record Decision (ROD)**

NPL ROD documents mandate permanent remedies at Superfund sites and contain technical and health information utilized to assist in the cleanup. The latest government version of this database is dated January 1999. According to the database report, the Ruco Polymer Corporation is identified on the ROD database within the 1 1/8-mile search distance.

### **Superfund (CERCLA) Consent Decrees (CONSENT)**

Consent Decrees are legal settlements which set responsibility and standards for cleanup at NPL sites.

No CONSENT sites were identified within the search distance of 1 1/8-miles.

### **Resource Conservation and Recovery Information System (RCIS) Hazardous Waste Treatment, Storage and Disposal Facilities (RCRIS - TSD)**

The USEPA's RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The TSD database is comprised of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. The latest

government version of this database is March 2000. According to the database report, Ruco Polymer Corporation was identified as a TSD facility within the search distance of 5/8-mile.

In addition, Grumman Aerospace Corporation #77 was identified on the TSD database. However, according to NGC, this facility is located in Stuart, Florida.

**Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)/CERCLIS-NFRAP Sites**

According to the database report, the CERCLIS database contains sites which are either on the NPL, or are being screened and assessed for their potential inclusion on the NPL list. The agency release date for the CERCLIS database was December 1995. The database report also contains information on an associated CERCLIS database called No Further Remedial Action Planned (NFRAP). This database contains a listing of sites for which an initial investigation was performed and either no contamination was found, or the contamination was removed quickly, or the "contamination was not serious enough to require Superfund action or NPL consideration." The latest government version of this database is February 2000.

Servo Corporation: The database report identifies Servo Corporation on the CERCLIS database. The facility's NPL status is listed as "not on the NPL." A preliminary assessment was completed on January 15, 1987.

Ruco Polymer Corporation: The database report identifies the Ruco Polymer Corporation on the CERCLIS database. Its NPL status is listed as "currently on the final NPL."

Naval Weapons Industrial Reserve Plant (NWIRP): The database report identifies the NWIRP on the CERCLIS database. The facility's NPL status is "not on the NPL," and the site description indicates that "there are potential hazardous waste areas at this site; such as wastes generated primarily from aircraft productions."

## Leaking Storage Tanks (LTANKS)

According to the database report, the LTANKS database is a compilation of reported leaking storage tank incidents reported from April 1986 through the most recent update provided by the NYSDEC. They can be either leaking underground storage tanks or leaking aboveground storage tanks. However, it should be noted that facility's listing on the LTANKS database does not necessarily imply that a release has been documented, but rather that investigation/monitoring is continuing on "case open" sites, as discussed below. The latest government version of this database is dated January 2000. Facilities in Nassau County that have reported tank test failure and/or spills are subject to not only the federal and state requirements for upgrading underground storage tank systems, but are also required to adhere to the stringent design, inventory control and reporting requirements of the NCDOH. These additional requirements are in place to protect the sole source aquifer resources of the County. Overall, these include the design and implementation of secondary containment structures, leak detection, cathodic protection and rigorous inventory control and tank testing programs.

The LTANKS database includes information on the remedial status of the investigation, if applicable. According to a representative of the NYSDEC Region 1 Spill Unit, when the LTANKS site investigation has a "Spill Closed Date," the NYSDEC has ended its investigation, and remediation of the spill (if any) has been performed to the maximum extent possible. Based upon this information, those sites with past releases having a "Spill Closed Date" are not expected to be potential off-site sources of contamination.

According to the LTANKS database report, 17 sites were listed in the LTANKS database. However, 14 of these sites have a "Spill Closed Date" and have, therefore, been remediated to the maximum extent possible. Variety Petrol, Grumman Aerospace Corporation and Island Transport Corporation have a "Spill Closed Date" identified as "not reported." In addition, according to the database, Variety Petrol and Island Transport Corporation "Spill Cause" was due to "tank overfill." However, the Grumman Aerospace Corporation "Spill Cause" was due to "tank test failure." According to a representative of NGC, these tanks were two steel 15,000-gallon underground storage tanks which were excavated and removed in

August 1996 in accordance with Nassau County Health Ordinance, Article XI. In addition, visibly contaminated soil was excavated and a groundwater monitoring well was installed and monitored from January 1997 to the present on a monthly basis. In the pursuit of an aggressive means of remediation, NGC installed two additional groundwater monitoring wells to determine local groundwater flow and to monitor for the presence of liquid phase hydrocarbons and analyze for dissolved constituents. Based on the results of the sampling of these wells, NGC has proposed a remedial plan to address the free phase product areas utilizing a liquid phase hydrocarbon belt skimmer in concert with continued monthly free phase monitoring of the groundwater monitoring wells.

Based upon a review of the orphan listing in the database report, two other facilities were identified on the LTANKS database. These facilities were identified as Grumman Airport Hangar #7 and All American Petroleum located at Oyster Bay Road, Bethpage and 3801 Hempstead Turnpike, Levittown, respectively.

### **Spills Information (SPILLS)**

This database is a compilation of state spill sites provided by the NYSDEC. The latest government version of this database is dated January 2000.

As with the LTANKS database, past releases with a "Spill Closed Date" are not expected to be potential off-site sources of contamination. Therefore, only spills that do not have a closed date and that are also either on site or upgradient to the Parcel L2 property with respect to the direction of groundwater flow are discussed.

According to the database report, the target property is not identified on the SPILLS database.

Based on a review of the orphan listing in the database report, four sites were identified on the SPILLS database. However, as previously discussed, these sites could not be accurately mapped due to poor or inadequate address information. Two of these sites are identified as

Grumman Plant 5 and Plant 14. The remaining listings are not assigned to a specific building or location.

### **Solid Waste Facilities/Landfill Sites (SWF/LF)**

The SWF/LF database is a compilation of solid waste disposal facilities or landfills provided by the NYSDEC. The latest government version of this database is April 1999. According to the database report, the NWIRP and Grumman Aerospace Corporation – Bethpage Facility were identified on the SWF/LF database.

In the orphan listing of the database report, two facilities were identified on the SWF/LF database. However, due to poor or inadequate address information, these facilities could not be accurately mapped.

### **RCRA Administrative Action Tracking Systems (RAATS)**

As stated previously, the RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA facilities database is comprised of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. The RAATS database contains records on enforcement actions taken against RCRA violators and includes administrative and civil actions brought by EPA. According to the database report, data entry in the RAATS database was discontinued in September 1995 due to a decrease in agency resources.

According to the database report, the target property is not identified on the RAATS database.

### **Toxic Release Inventory System (TRIS)**

Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA or SARA Title III) of 1986, requires the USEPA to establish an inventory of toxic chemical

emissions from certain facilities. Facilities subject to this reporting are required to complete a Toxic Chemical Release Form (Form R) for specified chemicals. The latest government version of this database is December 1997.

According to the database report, the target property is not identified on the TRIS database. However, based on a review of the orphan listing in the database report, the Grumman Aerospace Corporation #77 is identified but, according to NGC, this facility is located in Stuart, Florida.

### **State Registered Above and Underground Storage Tanks (ASTs and USTs)**

Two government agency databases are utilized in the database report that identify sites that contain aboveground and underground storage tanks (ASTs and USTs). The latest government versions of these databases is dated January and April 2000, respectively. The NCDOH maintains an Article XI "In Service" Tank Database of ASTs and USTs. In addition, the NYSDEC's Petroleum Bulk Storage Program maintains information on petroleum bulk storage tanks, hazardous substance bulk storage tanks and major petroleum storage facilities. The latest government version of that database is dated January 2000. Facilities with USTs that are located in Nassau County are subject not only to the federal and state requirements for underground storage tank systems but are also required to adhere to the stringent design, inventory control and reporting requirements of the NCDOH. These additional requirements are in place to protect the sole source aquifer resources of the County. Overall, these requirements include the design and implementation of secondary containment structures, leak detection, cathodic protection and rigorous inventory control and tank testing programs.

According to the database report, within a 3/8-mile radius of the Parcel L2 site, there are no mapped sites with registered USTs. In addition, the target property is not identified on the ASTs database.

Based on a review of the orphan listing, two sites were identified on the UST database report. These sites were identified as John F. Kennedy Jr. H.S. on Broadway in Bethpage and

the NWIRP, South Oyster Bay Road in Bethpage. However, as previously discussed, due to poor or inadequate address information, these sites could not be accurately mapped.

### **Emergency Response Notification System (ERNS)**

ERNS is a national database containing information on reported releases of oil and hazardous substances. Spill information is reported to a variety of governmental agencies including the USEPA, the Coast Guard, the National Response Center and the Department of Transportation. The latest government version of this database is dated May 2000.

According to the database report, the target property is not identified on the ERNS database.

### **RCRIS Hazardous Waste - Large and Small Quantity Generators(RCRIS-LOG and RCRIS-SQG)**

The USEPA's RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. Facilities which report generation, storage, transportation, treatment or disposal of hazardous waste are identified on the RCRA facilities database. The latest version of this database is March 2000. Facilities are identified as Large Quantity Generators if they generate at least 1,000 kg per month of nonacutely hazardous waste (or 1 kg per month of acutely hazardous waste). Facilities which generate less than 1,000 kg per month of nonacutely hazardous waste and greater than 100 kg are identified as RCRA Small Quantity Generators.

It should be noted that generators of hazardous waste in Nassau County are not only subject to the regulatory requirements of the NYSDEC's Hazardous Waste Management Program, but must also adhere to the very stringent management standards and design criteria addressing the overall management and storage of hazardous waste over a sole source aquifer as administered by the NCDOH. Overall, these include secondary containment structures for any designated storage areas along with stringent record keeping and administrative controls including the use of manifests for tracking the transportation and disposal of waste.



In addition to the Ruco Polymer/Hooker Chemical Corporation site described previously, there are 18 RCRA Large and Small Quantity Generators within 3/8 of a mile of the Parcel L2 site. It is important to note that the inclusion of a facility on this database does not imply that there have been any violations or releases.

In the orphan section of the database report, the Grumman Aerospace Corporation #77, which, according to NGC is located in Stuart, Florida, was identified on the RCRIS-LQG database report, and JAC Lithographers Co., 198 W. Grumman Road, Bethpage was identified on the RCRIS-SQG database report.

### **Material Licensing Tracking System (MTLS)**

The MTLS database is maintained by the Nuclear Regulatory Commission and contains a listing of approximately 8,100 sites which possess or use radioactive materials. The latest government version of this database is dated April 2000. According to the database report, the target property is not identified on the MTLS database.

### **Federal Superfund Liens (NPL Liens)**

The NPL liens database is comprised of real property which the EPA has filed liens against in order to recover costs associated with remedial actions or when the property owner receives notification of potential liability. The latest government version of this database is dated October 1991. According to the database report, the target property is not identified on the NPL Liens database.

### **Hazardous Material Information Reporting System (HMIRS)**

The HMIRS database is a compilation of hazardous material spill incidents that are reported to the U.S. Department of Transportation. The latest government version of this

database is dated June 1999. According to the database report, the target property is not identified on the HMIRS database.

### **Toxic Substances Control Act (TSCA)**

The TSCA database is a federal database of manufacturers and importers of specific chemical substances listed on the TSCA Chemical Substance Inventory List. The latest government version of this database is dated December 1998. According to the database report, the target property is not identified on the TSCA database.

### **PCB Activity Database System (PADS)**

This database compiled by the EPA identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the EPA of these activities. The latest government version of this database is dated January 2000. According to the database report, the target property is not identified on the PADS database.

### **Facility Index Database System (FINDS)**

The FINDS database contains information on a facility and may provide information or other databases that a facility may be located on. The latest government version of this database is dated October 1999. According to the database report, the target property is not identified on the FINDS database. However, Northrop Grumman Corporation on Route 107 Broadway and Hicksville, Bethpage; Northrop Grumman Corporation on Cherry Avenue Extension, Bethpage; Northrop Grumman Corporation on N. Grumman Road, Bethpage; Grumman Aerospace Corporation on New South Road, Bethpage; and Grumman Aerospace Corporation #77 appear on the orphan listing of the FINDS database.

### **Chemical Bulk Storage (CBS) ASTs and USTs**

The CBS database, compiled by the NYSDEC, identifies facilities that store regulated hazardous substances in underground tanks (USTs) of any size and aboveground tanks (ASTs) with capacities of 185 gallons or more. The latest government version of this database is dated April 2000. According to the database report, there are no sites identified on the CBS database within the 3/8-mile search distance.

### **Major Oil Storage Facilities (MOSF) USTs and ASTs**

This database, compiled by the NYSDEC, identifies facilities that may be onshore facilities or vessels with underground and/or aboveground (USTs and/or ASTs) petroleum storage tanks with capacities of 400,000 gallons or greater. The latest government version of this database is dated April 2000.

According to the database report, one site was identified on the MOSF (ASTs and USTs) database within the 5/8-mile search distance. This site is identified as General Electric at 939 South Broadway, Hicksville, New York.

### **Hazardous Substance Waste Disposal Site Inventory (HSWDS)**

The HSWDS database, compiled by the NYSDEC, is a list of any known or suspected hazardous substance waste disposal sites. Also included in this database are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and nonregistry sites which USEPA preliminary assessment reports or site investigation reports have been prepared. The latest government version of this database is dated May 1999. According to the database report, there are no sites identified on the HWDS database within the 5/8-mile search distance.

### **Mines Master Index File (MINES)**

The MINES database is compiled by the United States Department of Labor, Mine Safety and Health Administration. The latest government version of this database is dated August 1998. According to the database report, there are no sites identified on the MINES database within the 3/8-mile search distance.

### **Voluntary Cleanup Agreements (VCP)**

This database is compiled by the DEC and is a voluntary remedial program utilizing private monies to remediate contaminated sites to levels allowing for productive use. According to the database report, the program can be utilized at any kind of site and contamination. The latest government version of this database is dated March 2000. According to the database report, there are no sites identified on the VCP database within the 5/8-mile search distance.

# Section 5

## **5.0 FINDINGS**

This section presents the findings of the Phase I Site Assessment Update.

### **5.1 On-site Indicators of Contamination**

On-site indicators of potential environmental contamination were not identified at the Parcel L2 site during the Phase I Site Assessment Update site inspection conducted in August 2000.

### **5.2 Potential Areas of Environmental Concern**

Based upon the results of file reviews, a review of prior assessments and recently available construction drawings, site inspections and interviews with NGC representatives, on-site areas of environmental concern have not been identified as part of this Phase I Environmental Site Assessment Update.

### **5.3 Potential Off-site Sources of Contamination**

As discussed in Sections 3 and 4, groundwater quality beneath the Parcel L2 site and surrounding industrial areas is a documented area of environmental concern. However, it should be noted that groundwater contamination does not appear to originate from the Parcel L2 site but may result from historic activities at either the NWIRP, Ruco Polymer site and/or NGC sites as discussed below.

Based upon a review of water table elevations and groundwater contour maps (refer to Appendix C), the predominant direction of groundwater flow in the vicinity of the Parcel L2 site is southeast. It should be noted that recharge basins and the effects of groundwater withdrawal by nearby production and/or treatment wells cause seasonal shifts in flow direction. However, based upon a review of the water table elevations and groundwater contour maps, it appears that the Parcel L2 site is located downgradient of the Ruco Polymer site.

The findings of a USGS hydrogeological and groundwater quality study conducted between 1985 and 1987 indicated that a plume of groundwater contamination primarily consisting of several VOCs (TCE, PCE, 1,1,1-TCA, 1,2-DCE, 1,1-DCA and vinyl chloride) was present beneath and extended southward from the Ruco Polymer, Navy (NWIRP/Plant 3), and Grumman (NGC) Bethpage Facility sites.

The results of the NGC Bethpage Facility RI indicated that the western plume of groundwater contamination, primarily consisting of TCE, is defined by several off-site monitoring wells located in close proximity of the Plant L2 site including GM-12S, GM-12I, GM-18S, GM-18I, GM-32S, MW-24S, MW-24I and NGC production wells GP-1 and GP-2. Monitoring wells GM-12S, GM-12I, MW-24S and MW-24I are located near the Parcel L2 site and the western-most edge of the plume appears to be in close proximity to the eastern boundary of the Parcel L2 site.

In addition, additional groundwater quality data was obtained from the NCDOH. In particular, historical data was available for USGS monitoring well 10594 located near the northwestern corner of the Parcel L2 site (see Figure 2-2). The analytical results of groundwater samples collected from this well between October 1986 and November 1988 indicated elevated concentrations of TCE. However, sampling of this well in September 1992 showed that the TCE concentration was less than the NYSDOH drinking water standard. TCE was also detected at a low level in the groundwater sample from S8MW-1 (shallow upgradient well). However, it should be noted that well S8MW-1 is upgradient only during peak pumpage and peak recharge.

Also, as previously discussed, the results of the groundwater samples collected at monitoring wells S6MW-1, S6MW-2, S9MW-1, S9MW-2, USGS well 10594 and GM-16S in support of the February 1999 Delisting Petition indicated that VOCs were either not detected or were detected at concentrations well below the NYSDOH drinking water standards.

In addition, inorganic constituents were not detected in the groundwater samples at levels above NYSDOH drinking water standards with the exception of lead in the unfiltered sample

collected at USGS well 10594. However, the Delisting Petition noted that lead was not detected in filtered sample from USGS well 10594. As a result, the Delisting Petition concluded that all inorganic constituents related to groundwater quality were detected at concentrations below the NYSDOH drinking water standards.



# Section 6

## **6.0 RECOMMENDATIONS**

This section provides recommendations for additional investigation activities based upon the findings of this Phase I Environmental Site Assessment Update.

### **6.1 On-site Areas of Environmental Concern**

No additional on-site investigation activities are recommended at the Parcel L2 site.

### **6.2 Off-site Sources of Contamination**

As previously discussed, the site is located downgradient of known sources of groundwater contamination. Previous investigations have documented groundwater contamination in the vicinity of and beneath the Parcel L2 property. However, based upon the findings of this Phase I Site Assessment Update, there does not appear to be any on-site sources of groundwater contamination. As a result, although groundwater degradation remains an environmental concern, previous and ongoing investigations have documented the source of this contamination to be from off-site, upgradient locations. Furthermore, ongoing investigations are expected to further delineate the existing groundwater contamination. In particular, NYSDEC and USEPA are involved in the active oversight of the remedial investigations, feasibility studies and the remediation of all operable units, including groundwater plumes associated with adjacent properties. Therefore, further investigation and/or monitoring of groundwater does not appear to be warranted at this time.

# Appendix A

CONFIDENTIAL

**APPENDIX A**

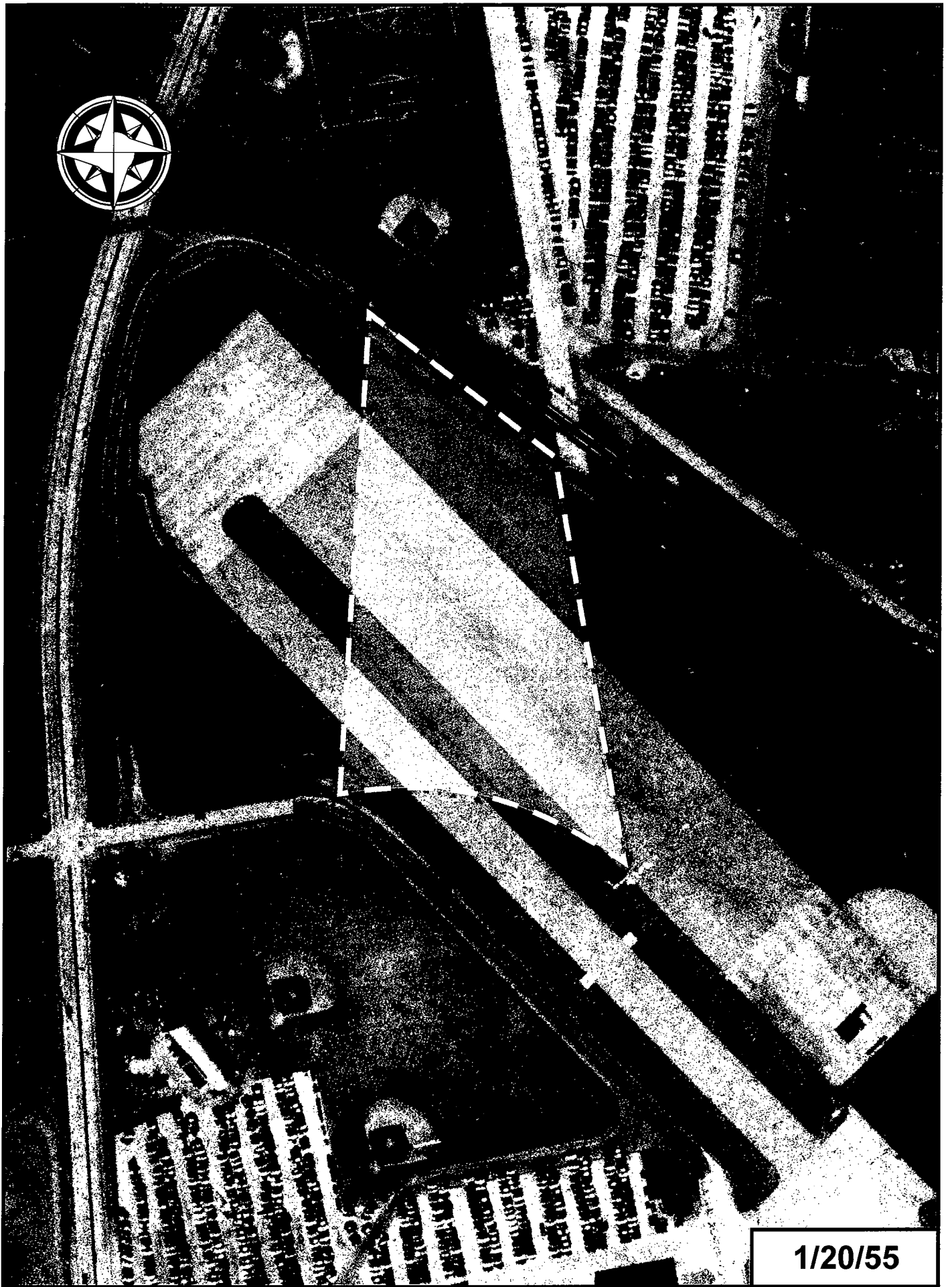
**AERIAL PHOTOGRAPHS**

◆1568/F0801003.doc



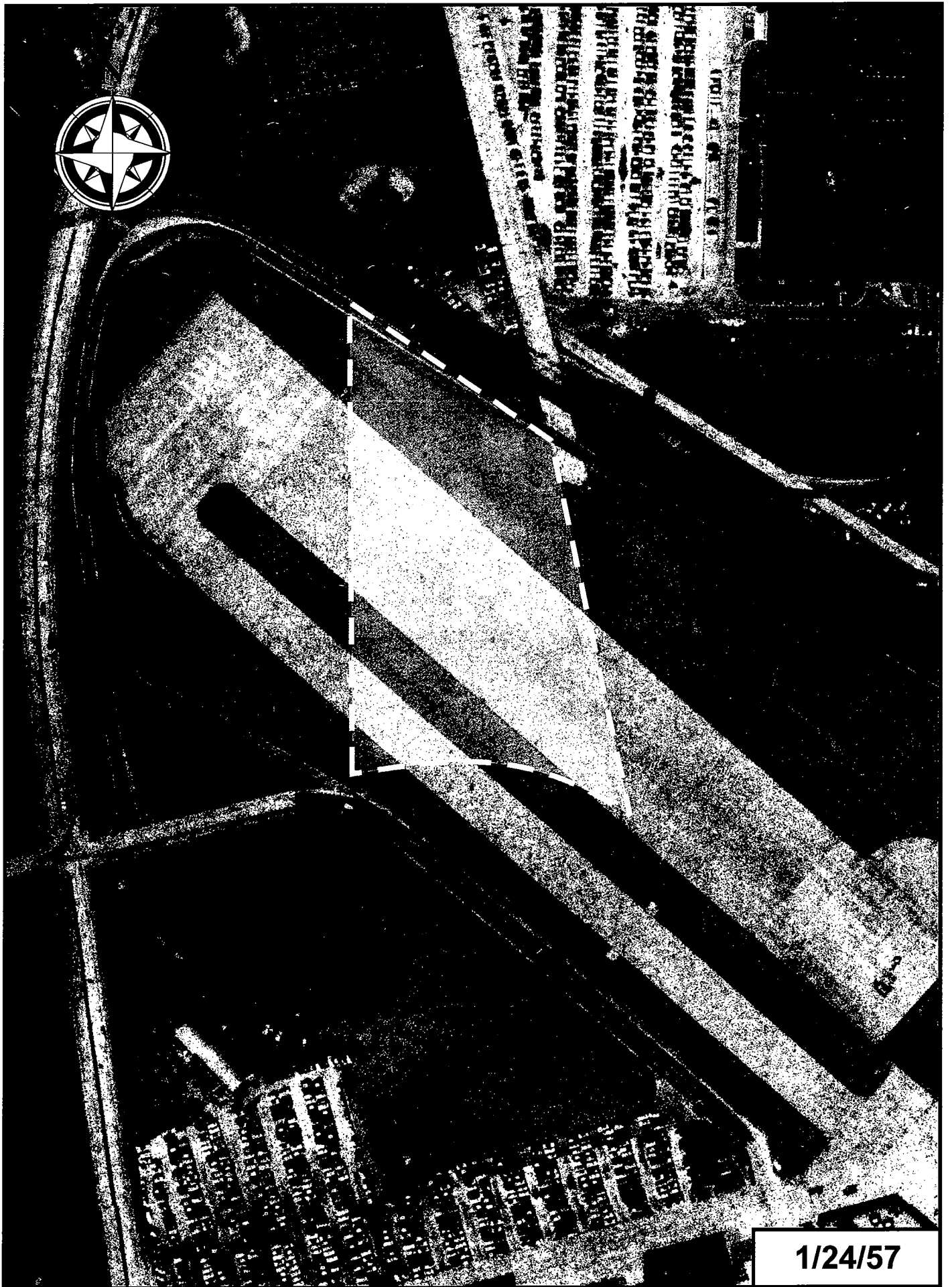
4/11/50

RLA/PHOTOS/PARCEL-L-2(9/15/00)



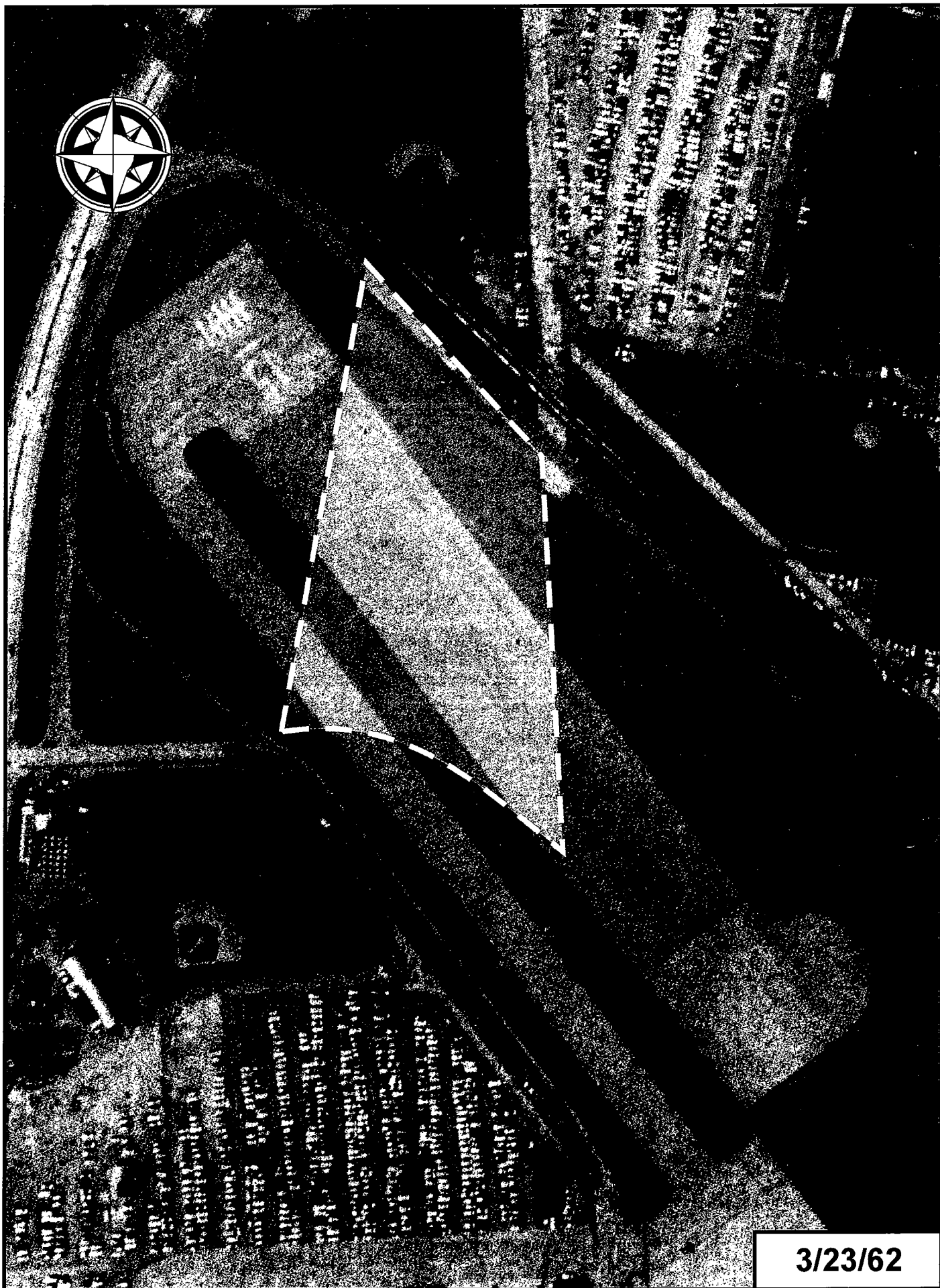
1/20/55

RLA/PHOTOS/PARCEL-L-2(9/15/00)



1/24/57

RLA/PHOTOS/PARCEL-L-2(9/15/00)



3/23/62

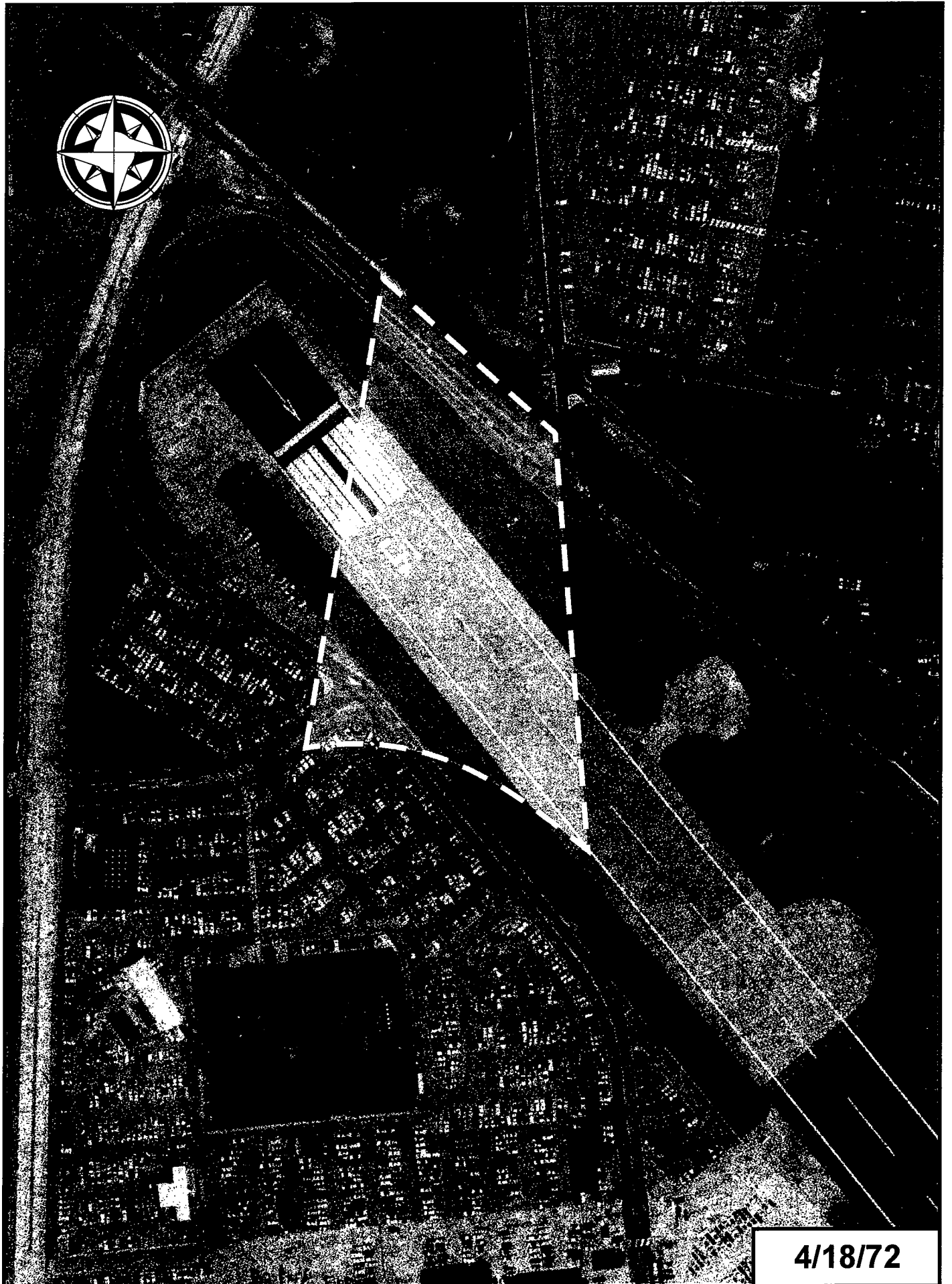
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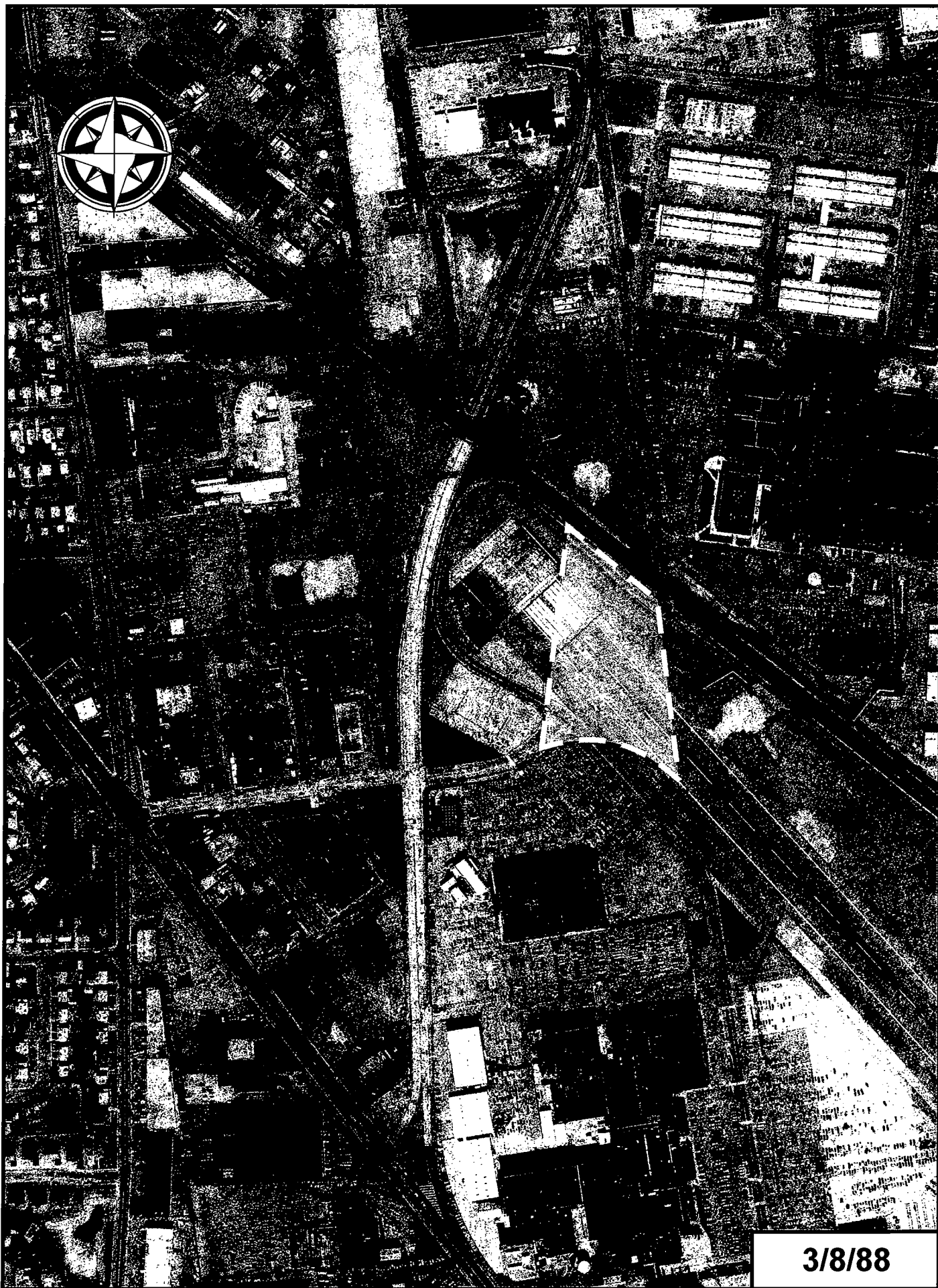
4/11/69

RLA/PHOTOS/PARCEL-L-2(9/15/00)



4/18/72

RLA/PHOTOS/PARCEL-L-2(9/15/00)



RLA/PHOTOS/PARCEL-L-2(9/15/00)

# Appendix B



**APPENDIX B**

**ENVIRONMENTAL DATABASE SEARCH**

◆1568/F0801003.doc



## **The EDR-Radius Map with GeoCheck<sup>®</sup>**

**Northrop Grumman Corporation  
Parcel L2  
Bethpage, NY 11714**

**Inquiry Number: 516803.1s**

**July 13, 2000**

## ***The Source* For Environmental Risk Management Data**

3530 Post Road  
Southport, Connecticut 06490

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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## GEOCHECK ADDENDUM

Physical Setting Source Addendum.....	A-1
Physical Setting Source Summary.....	A-2
Physical Setting Source Map.....	A-6
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Physical Setting Source Records Searched.....	A-13

*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 meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

PARCEL L2  
BETHPAGE, NY 11714

#### COORDINATES

Latitude (North): 40.752800 - 40° 45' 10.1"  
Longitude (West): 73.500700 - 73° 30' 2.5"  
Universal Tranverse Mercator: Zone 18  
UTM X (Meters): 626568.9  
UTM Y (Meters): 4512186.0

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2440073-G5 HICKSVILLE, NY  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

### FEDERAL ASTM STANDARD

Delisted NPL..... NPL Deletions  
CERC-NFRAP..... Comprehensive Environmental Response, Compensation, and Liability Information System  
ERNS..... Emergency Response Notification System

### STATE ASTM STANDARD

SWF/LF..... Facility Register  
UST..... Petroleum Bulk Storage (PBS) Database  
CBS UST..... Chemical Bulk Storage (CBS) Database  
MOSF UST..... Major Oil Storage Facilities Database

### FEDERAL ASTM SUPPLEMENTAL

CONSENT..... CONSENT  
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report  
HMIRS..... Hazardous Materials Information Reporting System



## EXECUTIVE SUMMARY

<b>MLTS</b> .....	Material Licensing Tracking System
<b>MINES</b> .....	Mines Master Index File
<b>NPL Lien</b> .....	NPL Liens
<b>PADS</b> .....	PCB Activity Database System
<b>RAATS</b> .....	RCRA Administrative Action Tracking System
<b>TRIS</b> .....	Toxic Chemical Release Inventory System
<b>TSCA</b> .....	Toxic Substances Control Act

### STATE OR LOCAL ASTM SUPPLEMENTAL

<b>HSWDS</b> .....	Hazardous Substance Waste Disposal Site Inventory
<b>AST</b> .....	Petroleum Bulk Storage (AST)
<b>CBS AST</b> .....	Chemical Bulk Storage (CBS) Database
<b>NY Spills</b> .....	NY Spills
<b>VCP</b> .....	Voluntary Cleanup Agreement

### EDR PROPRIETARY DATABASES

**Coal Gas**..... Former Manufactured gas (Coal Gas) Sites.

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree 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. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. 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 (by more than 10 feet). 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 ASTM STANDARD

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

A review of the NPL list, as provided by EDR, and dated 06/13/2000 has revealed that there is 1 NPL site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>RUCO POLYMER CORP</i></b>	<b><i>NEW SOUTH RD</i></b>	<b><i>1/8 - 1/4 NNW 0</i></b>		<b><i>5</i></b>

## EXECUTIVE SUMMARY

**CERCLIS:** The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/14/2000 has revealed that there are 3 CERCLIS sites within approximately 0.625 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>RUCO POLYMER CORP</i>	<i>NEW SOUTH RD</i>	<i>1/8 - 1/4 NNW 0</i>		<i>5</i>
<i>SERVO CORP</i>	<i>111 NEW S RD</i>	<i>1/4 - 1/2 NW 31</i>		<i>36</i>
<i>NAVAL WEAPONS INDUSTRIAL RESER</i>	<i>SOUTH OYSTER BAY ROAD</i>	<i>1/2 - 1 NE H34</i>		<i>38</i>

**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 01/31/2000 has revealed that there are 3 CORRACTS sites within approximately 1.125 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>RUCO POLYMER CORP</i>	<i>NEW SOUTH RD</i>	<i>1/8 - 1/4 NNW 0</i>		<i>5</i>
<i>GRUMMAN AEROSPACE CORP</i>	<i>S OYSTER BAY RD</i>	<i>1/2 - 1 SE 40</i>		<i>43</i>
<i>MARKETSPAN CORPORATION SERVICE</i>	<i>175 E OLD COUNTRY RD</i>	<i>1 - 2 NW 41</i>		<i>47</i>

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-TSD list, as provided by EDR, and dated 03/28/2000 has revealed that there is 1 RCRIS-TSD site within approximately 0.625 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>RUCO POLYMER CORP</i>	<i>NEW SOUTH RD</i>	<i>1/8 - 1/4 NNW 0</i>		<i>5</i>

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 03/28/2000 has revealed that there are 12 RCRIS-LQG sites within approximately 0.375 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>RUCO POLYMER CORP</i>	<i>NEW SOUTH RD</i>	<i>1/8 - 1/4 NNW 0</i>		<i>5</i>
<i>GENERAL ELECTRIC SUPPLY CO</i>	<i>848 S OYSTER BAY RD</i>	<i>0 - 1/8 NW 2</i>		<i>11</i>
<i>BLUE FLAME</i>	<i>17 HAZEL ST</i>	<i>1/8 - 1/4 SW A3</i>		<i>11</i>
<i>STEEL-LOS III</i>	<i>945 S OYSTER BAY RD</i>	<i>1/8 - 1/4 SSW A4</i>		<i>12</i>
<i>JOHN GRACE &amp; CO</i>	<i>34 WASHINGTON PKWY</i>	<i>1/8 - 1/4 WSW B7</i>		<i>15</i>
<i>C &amp; D TYPE SETTERS INC</i>	<i>960 S BROADWAY</i>	<i>1/4 - 1/2 SW D15</i>		<i>19</i>
<i>FIRESTONE SAVMOR AUTO SERVICE</i>	<i>870 S BROADWAY</i>	<i>1/4 - 1/2 WSW E18</i>		<i>20</i>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>BETHPAGE TRANSMISSION</i>	<i>870 BROADWAY</i>	<i>1/4 - 1/2 WSW</i>	<i>E20</i>	<i>21</i>
<i>TEXACO USA A DIVISION OF TEXAC</i>	<i>1000 S BROADWAY</i>	<i>1/4 - 1/2 SW</i>	<i>21</i>	<i>22</i>
<i>CORAL GRAPHIC SERVICES INC</i>	<i>840 S BROADWAY</i>	<i>1/4 - 1/2 W</i>	<i>E22</i>	<i>22</i>
<i>PHOTO WORKS</i>	<i>25 BLUMINGDALE RD</i>	<i>1/4 - 1/2 SW</i>	<i>F23</i>	<i>22</i>
<i>VOIGT PROPERTY</i>	<i>335 NEW SOUTH RD</i>	<i>1/4 - 1/2 NW</i>	<i>25</i>	<i>24</i>

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 03/28/2000 has revealed that there are 7 RCRIS-SQG sites within approximately 0.375 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>MINEOLA MACK INC</i>	<i>880 S OYSTER BAY RD</i>	<i>0 - 1/8 W</i>	<i>1</i>	<i>10</i>
<i>DC FEMIA AUTO COLLISION</i>	<i>44 WASHINGTON PKWY</i>	<i>1/8 - 1/4 WSW</i>	<i>B8</i>	<i>15</i>
<i>PRIDE UTILITIES INC</i>	<i>70 WASHINGTON PKWY</i>	<i>1/8 - 1/4 SW</i>	<i>9</i>	<i>15</i>
<i>NEW YORK TELEPHONE CO</i>	<i>920 S OYSTER BAY RD ROO</i>	<i>1/4 - 1/2 N</i>	<i>12</i>	<i>17</i>
<i>TRUE AUTO RESTORATIONS INC</i>	<i>870 S BROADWAY E SECTIO</i>	<i>1/4 - 1/2 WSW</i>	<i>E17</i>	<i>20</i>
<i>A ERNIES AUTO BODY INC</i>	<i>870 S BROADWAY</i>	<i>1/4 - 1/2 WSW</i>	<i>E19</i>	<i>21</i>
<i>YALE RADIATOR &amp; AUTO REPAIR</i>	<i>37 BLOOMINGDALE RD</i>	<i>1/4 - 1/2 SW</i>	<i>F24</i>	<i>23</i>

### STATE ASTM STANDARD

**SHWS:** The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, has revealed that there are 2 SHWS sites within approximately 1.125 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>NAVAL WEAPONS IND. RESERVE PLA</i>	<i>STEWART AVENUE</i>	<i>1/8 - 1/4 E</i>	<i>5</i>	<i>12</i>
<i>GRUMMAN AEROSPACE-BETHPAGE FAC</i>	<i>STEWART AVENUE</i>	<i>1/2 - 1 N</i>	<i>39</i>	<i>41</i>

**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 01/01/2000 has revealed that there are 17 LTANKS sites within approximately 0.625 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>RUCO POLYMER CORP</i>	<i>NEW SOUTH RD</i>	<i>1/8 - 1/4 NNW</i>	<i>0</i>	<i>5</i>
<i>BLUE FLAME</i>	<i>3 WASHINGTON PKWY</i>	<i>1/8 - 1/4 W</i>	<i>6</i>	<i>13</i>
<i>GRUMMAN</i>	<i>GRUMMAN PLANT #17</i>	<i>1/8 - 1/4 ENE</i>	<i>C10</i>	<i>16</i>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GRUMMAN	BLDG #15	1/8 - 1/4 ENE	C11	17
GRUMMAN	BLDG #3	1/4 - 1/2 E	13	18
NORTHROP GRUMMAN CORP	B12 NEW SOUTH STREET	1/4 - 1/2 WNW	14	18
AVIS CAR RENTAL	980 SOUTH BROADWAY	1/4 - 1/2 SW	D16	19
FLYNN RESIDENCE	11 BIRCHWOOD LN	1/4 - 1/2 WSW	26	24
ERM NORTHEAST	335 NEW SOUTH RD	1/4 - 1/2 NW	G27	25
<b>VARIETY PETROL (P&amp;G FUEL)</b>	<b>317 NEW SOUTH RD</b>	<b>1/4 - 1/2 NW</b>	<b>G29</b>	<b>34</b>
AL ANDRIANO RESIDENCE	159 12TH ST	1/4 - 1/2 ESE	30	35
APA TRANSPORTATION	IMPERATORE DRIVE	1/2 - 1 ENE	32	36
SCANNELLO RESIDENCE	23 ALBERT RD	1/2 - 1 SW	33	37
GRUMMAN AEROSPACE CORPORA	NEW SOUTH ROAD	1/2 - 1 NE	H35	38
NORTHROP GRUMMAN CORP	MAIL STOP D08-001 PLANT	1/2 - 1 NE	H36	39
GRUMMAN PLANT 11	83 LUDY ST	1/2 - 1 NE	H37	40
ISLAND TRANSPORT CORP	SOUTH WAREHOUSE AT GRUM	1/2 - 1 SE	38	40

### FEDERAL ASTM SUPPLEMENTAL

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

A review of the ROD list, as provided by EDR, has revealed that there is 1 ROD site within approximately 1.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>RUCO POLYMER CORP</b>	<b>NEW SOUTH RD</b>	<b>1/8 - 1/4 NNW</b>	<b>0</b>	<b>5</b>

### STATE OR LOCAL ASTM SUPPLEMENTAL

**MOSF AST:** Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the MOSF AST list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 MOSF AST site within approximately 0.625 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>GENERAL ELECTRIC</b>	<b>939 SOUTH BROADWAY</b>	<b>1/4 - 1/2 SSE</b>	<b>28</b>	<b>25</b>

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
GRUMMAN AEROSPACE CORP #77	FINDS,RCRIS-LQG,TRIS
RUCO POLYMER CORP. (HOOKER CHEM)	RCRIS-TSD,RAATS,CORRACTS
AMERICAN DRIVE-IN CLEANERS	SHWS
GRUMMAN AIRPORT HANGER #7	SHWS
ALL AMERICAN PETROLEUM	LTANKS
JOHN F. KENNEDY J.H.S.	LTANKS,NY Spills
NAVAL WEAPONS IND. RES.	UST
JAC LITHOGRAPHERS CO	UST
NORTHROP GRUMMAN CORP - BETHPA	UST
NORTHROP GRUMMAN CORP	RCRIS-SQG
NORTHROP GRUMMAN CORP	FINDS
GRUMMAN AEROSPACE CORPORATION	FINDS
OLD GRUMMAN BUILDING	FINDS
GRUMMAN PLANT 14	NY Spills
GRUMMAN PLANT 5	NY Spills
NORTHROP GRUMMAN CORP	NY Spills
	NY Spills

# OVERVIEW MAP - 516803.1s - Dvirka & Bartilucci Cons. Eng.



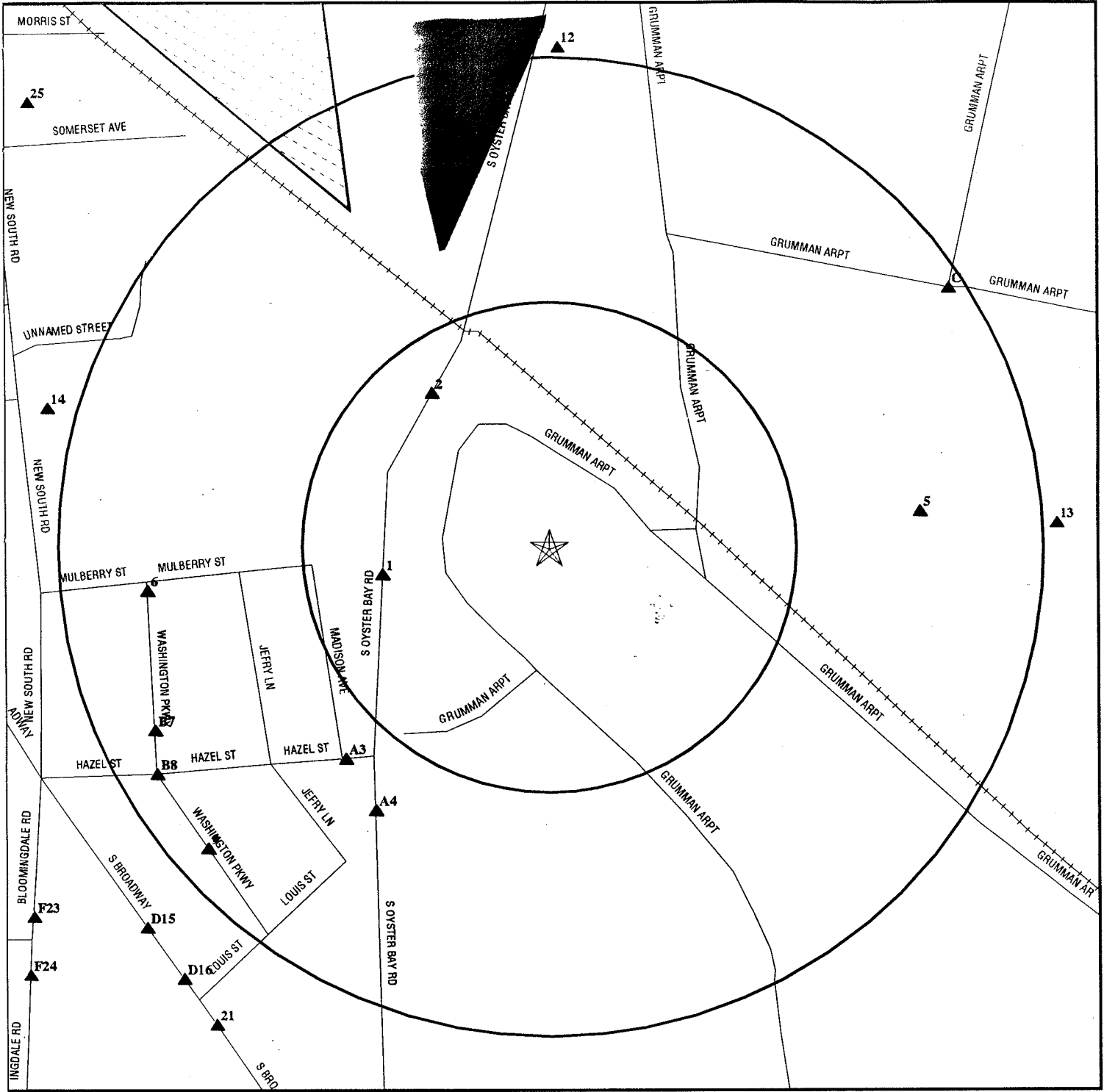
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites

- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

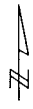


<b>TARGET PROPERTY:</b>	Northrop Grumman Corporation	<b>CUSTOMER:</b>	Dvirka & Bartilucci Cons. Eng.
<b>ADDRESS:</b>	Parcel L2	<b>CONTACT:</b>	Mark Rauber
<b>CITY/STATE/ZIP:</b>	Bethpage NY 11714	<b>INQUIRY #:</b>	516803.1s
<b>LAT/LONG:</b>	40.7528 / 73.5007	<b>DATE:</b>	July 13, 2000 4:10 pm

DETAIL MAP - 516803.1s - Dvirka & Bartilucci Cons. Eng.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)



TARGET PROPERTY:	Northrop Grumman Corporation	CUSTOMER:	Dvirka & Bartilucci Cons. Eng.
ADDRESS:	Parcel L2	CONTACT:	Mark Rauber
CITY/STATE/ZIP:	Bethpage NY 11714	INQUIRY #:	516803.1s
LAT/LONG:	40.7528 / 73.5007	DATE:	July 13, 2000 4:11 pm

## 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
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.125	0	1	0	0	0	1
Delisted NPL		1.125	0	0	0	0	0	0
CERCLIS		0.625	0	1	1	1	NR	3
CERC-NFRAP		0.375	0	0	0	NR	NR	0
CORRACTS		1.125	0	1	0	1	1	3
RCRIS-TSD		0.625	0	1	0	0	NR	1
RCRIS Lg. Quan. Gen.		0.375	1	4	7	NR	NR	12
RCRIS Sm. Quan. Gen.		0.375	1	2	4	NR	NR	7
ERNS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
State Haz. Waste		1.125	0	1	0	1	0	2
State Landfill		0.625	0	0	0	0	NR	0
LTANKS		0.625	0	4	7	6	NR	17
UST		0.375	0	0	0	NR	NR	0
CBS UST		0.375	0	0	0	NR	NR	0
MOSF UST		0.625	0	0	0	0	NR	0
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.125	0	0	0	0	0	0
ROD		1.125	0	1	0	0	0	1
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.375	0	0	0	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
HSWDS		0.625	0	0	0	0	NR	0
AST		TP	NR	NR	NR	NR	NR	0
CBS AST		0.375	0	0	0	NR	NR	0
MOSF AST		0.625	0	0	1	0	NR	1
NY Spills		TP	NR	NR	NR	NR	NR	0
VCP		0.625	0	0	0	0	NR	0
<b><u>EDR PROPRIETARY DATABASES</u></b>								
Coal Gas		1.125	0	0	0	0	0	0
AQUIFLOW - see EDR Physical Setting Source Addendum								

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

Database(s)      EDR ID Number  
 EPA ID Number

**Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.**

**NPL  
 Region  
 NNW  
 1/8-1/4  
 1051**

**RUCO POLYMER CORP  
 NEW SOUTH RD  
 HICKSVILLE, NY 11801**

**CERCLIS      1000268848  
 NPL            NYD002920312  
 RCRIS-LQG  
 TRIS  
 RCRIS-TSD  
 CORRACTS  
 ROD  
 LTANKS**

**CERCLIS Classification Data:**

Site Incident Category: Not reported      Federal Facility: Not a Federal Facility  
 Ownership Status: Private      NPL Status: Currently on the Final NPL  
 Site Description:

The 14-acre, triangular-shaped chemical manufacturing Hooker Chemical/Ruco Polymer site (Hooker/Ruco) is located in Hicksville, Township of Oyster Bay, Nassau County, New York, approximately 25 miles east of New York City. There are major facilities, small industries, commercial operations, utilities, and transportation corridors and stormwater management basins in the area. Residential neighborhoods are in close proximity to, and surround the industrial area. The Hooker/Ruco Site is physical ly bounded by the Long Island Railroad (LIRR) tracks to the southwest, New South Road to the west, Commerce Street to the north and the Grumman facility to the east and south. Plant 1, located in the south/central portion on the facility, is the lar gest structure, comprising approximately 44,800 square feet. The northern portion of Plant 1 contains a small laboratory. Three major aquifers underlay the site. They are called the unconfined Upper Glacial aquifer; the semi-confined Magothy aquifer; and the confined Lloyd Sand aquifer. The total thickness of these three aquifers beneath the site is approximately 1,200 feet. The two aquifers of environmental concern for this site are the Upper Glacial and the Magothy, since the Lloyd Sand is a deep aquifer (1000 feet) and not hydrogeologically connected to the above aquifers. Two active tracks of the LIRR parallel the facility's 940-foot southwestern property boundary. The facility is bounded on the 270-foot western boundary by New South Road. Operations at the site began in 1945 and included natural latex storage, concentration and compounding. Five years later the company began producing small volumes of plasticizers. In 1956, a polyvinyl chloride plant was built and operated under the name of Insular Chemical Corporation. In 1965, the company was purchased by the Hooker Chemical Company and was known and operated as the Ruco Division. Since 1946, the facility was used for the production of various polymers, including polyvinyl chloride (PVC), styrene/butadiene latex, vinyl chloride/vinyl acetate copolymer, and polyurethane, as well as ester plasticizers. This facility is currently active, and manufactures such products as polyester, polyols and powder coating resins. During site operations between 1956 and 1975, industrial processed wastewater and stormwater runoff from the facility was discharged to six onsite recharge basins or sumps. This wastewater contained, among other things, vinyl chloride, tri chloroethylene, barium and cadmium soap, vinyl acetate, organic acids, and styrene condensate. Drums containing various chemicals were also stored onsite where occasional spills would occur. As a result of these releases, groundwater beneath and downgradient from the site has been contaminated. Limited areas of residual soils contamination exist above levels that

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**RUCO POLYMER CORP (Continued)**

**1000268848**

would be considered protective of groundwater quality. From 1975 to 1991, a concrete settling basin was used to store ester waste prior to being incinerated onsite. Ester wastes are presently stored in an onsite, above ground tank. From 1946 to 1978, the pilot plant used a heat transfer fluid called Therminol, which contained PCBs. During the operation of the facility, there was a release of PCBs to the soil adjacent to the pilot plant. Some of this contaminated soil was spread to surrounding areas by surface water run-off, sediment transport, and truck traffic. In 1989, an underground fuel oil storage tank adjacent to Plant 1 was removed, and the soils surrounding the tank were excavated, sampled, and found to be contaminated with PCBs. These excavated soils were covered with plastic sheeting, pending the remediation of the other PCB-contaminated soils on the site.

Operations at the site began in 1945 and included natural latex storage, concentration and compounding. Five years later the company began producing small volumes of plasticizers. In 1956, a polyvinyl chloride plant was built and operated under the name of Insular Chemical Corporation. In 1965, the company was purchased by the Hooker Chemical Company and was known and operated as the Ruco Division. Since 1946, the facility was used for the production of various polymers, including polyvinyl chloride (PVC), styrene/butadiene latex, vinyl chloride/vinyl acetate copolymer, and polyurethane, as well as ester plasticizers. This facility is currently active, and manufactures such products as polyester, polyols and powder coating resins. During site operations between 1956 and 1975, industrial processed wastewater and stormwater runoff from the facility was discharged to six onsite recharge basins or sumps. This wastewater contained, among other things, vinyl chloride, trichloroethylene, barium and cadmium soap, vinyl acetate, organic acids, and styrene condensate. Drums containing various chemicals were also stored onsite where occasional spills would occur. As a result of these releases, groundwater beneath and downgradient from the site has been contaminated. Limited areas of residual soils contamination exist above levels that would be considered protective of groundwater quality. From 1975 to 1991 a concrete settling basin was used to store ester waste prior to being incinerated onsite. Ester wastes are presently stored in an onsite, above ground tank. From 1946 to 1978, the pilot plant used a heat transfer fluid called Therminol, which contained PCBs. During the operation of the facility, there was a release of PCBs to the soil adjacent to the pilot plant. Some of this contaminated soil was spread to surrounding areas by surface water run-off, sediment transport, and truck traffic. In 1989, an underground fuel oil storage tank adjacent to Plant 1 was removed, and the soils surrounding the tank were excavated, sampled, and found to be contaminated with PCBs. These excavated soils were covered with plastic sheeting, pending the remediation of the other PCB-contaminated soils on the site. OU2 addressed the PCB-contaminated soils and a third area of concern is the contaminated groundwater, downgradient of the Ruco property boundary. OCC proposed to perform an early action to remediate the PCB-contaminated areas separately in 1989. A draft Consent Decree was sent to OCC and Ruco Polymer on December 20, 1990. A Good Faith Offer to perform the RD/RA and to enter into a Consent Decree was received from OCC on February 27, 1991. OCC formally rejected EPA's offer to enter into a Consent Decree in a letter dated June 5, 1991. A Unilateral Administrative Order was signed by the RA on June 27, 1991. Notices of Intent to Comply with the order were submitted by both OCC and Ruco Polymer (both dated July 16, 1991) and were received by EPA on July

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**RUCO POLYMER CORP (Continued)**

**1000268848**

17, 1991. The RD/RA Work Plan Outline was received on May 13, 1991, followed by the RD/RA Work Plan (Remedial Design) in July, 1991. Notice from OCC for Final Inspection was received on July 22, 1992. An inspection visit was made on September 3, 1992 at which time all restoration was completed. Occidental's Remedial Action Report was received on October 19, 1992 and final approval was issued on March 12, 1993. Four areas of OU2's PCB-contaminated soil surrounding the pilot plant were addressed. They were the direct spill area; transport related area; the previously excavated soils; and the impacted recharge basin (sump three). removed, and the soils surrounding the tank were excavated, sampled, and found to be contaminated with PCBs. These excavated soils were covered with plastic sheeting, pending the remediation of the other PCB-contaminated soils on the site. A site background report was prepared in 1981. Results of this study were presented in the "Report of Groundwater & Soils Investigation at the Former Ruco Division Plant Site, Hicksville, New York," dated August 1984. These initial investigations led to the site being placed on the NPI in 1984. In March 1985, four additional borings were drilled and sampled in the Therminol spill area, and in May 1985, a second round of groundwater samples were obtained. From 1986 through September 1988, several sampling programs were undertaken to further define the extent of PCBs in the shallow soils around the pilot plant, and in soils excavated during the underground storage tank removal. The results were presented in progress reports dated January 1987, July 1987, December 1987, February 1988 and June 1988. In July 1988, EPA sent OCC a request for information on the site. Negotiations by NYSDEC and EPA failed to reach a settlement with the PRPs (Occidental Chemical and Ruco Polymer) to conduct the RI/FS. In September 1988, after the work plan was finalized, Occidental agreed to perform the work. OCC entered into an Administrative Order on Consent with EPA in September 1988. In September 1989, RI/FS field work commenced and was completed in February 1990 with a draft RI Report submitted in April 1990. Portions of the RI Report pertaining to the PCB contaminated areas were approved to expedite the remediation of those areas. The final, complete RI report was approved in December 1992. An FS outline for OU1 was submitted December 18, 1992 containing the preliminary groundwater and soils treatment alternatives. The Revised FS Report was received on July 18, 1993 and the Final FS Report was approved in August 1993. OU1 for this site

**CERCLIS Assessment History:**

Assessment:	DISCOVERY	Completed:	19791101
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19840901
Assessment:	SITE INSPECTION	Completed:	19841001
Assessment:	PROPOSAL TO NPL	Completed:	19841015
Assessment:	FINAL LISTING ON NPL	Completed:	19860610
Assessment:	ADMIN ORDER ON CONSENT	Completed:	19880921
Assessment:	NPL RP SEARCH	Completed:	19880921
Assessment:	RI/FS WORKPLAN APPROVAL BY HQ	Completed:	19880921
Assessment:	COMBINED RI/FS	Completed:	19880921
Assessment:	RI/FS NEGOTIATIONS	Completed:	19880921
Assessment:	REMOVAL ASSESSMENT	Completed:	19900821
Assessment:	PRP RI/FS	Completed:	19900928
Assessment:	RECORD OF DECISION	Completed:	19900928
Assessment:	PREPARATION OF COST DOCM PKGE	Completed:	19910306
Assessment:	RD/RA NEGOTIATIONS	Completed:	19910627

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

RUCO POLYMER CORP (Continued)

1000268848

Assessment:	UNILATERAL ADMIN ORDER	Completed:	19910627
Assessment:	PRP RD	Completed:	19920428
Assessment:	HUMAN HEALTH RISK ASSESSMENT	Completed:	19921001
Assessment:	REMOVAL ASSESSMENT	Completed:	19930203
Assessment:	PRP RA	Completed:	19930312
Assessment:	PRP RI/FS	Completed:	19940128
Assessment:	RECORD OF DECISION	Completed:	19940128
Assessment:	UNILATERAL ADMIN ORDER	Completed:	19940630
Assessment:	ADMIN/VOLUNTARY COST RECOVERY	Completed:	19941228
Assessment:	CONSENT AGREEMENT (ADMINISTRATIVE)	Completed:	19950929
Assessment:	COST RECOVERY NEGOTIATIONS	Completed:	19950929

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

RUCO POLYMER CORP  
HOOKER CHEM /RUCO POLYMER  
HOOKER RUCO

CORRACTS Data:

Prioritization: High  
Status: RCRA Facility Assessment Completed, Referred to a Non-RCRA Authority

NPL:

ID:	02NY052
Date Listed:	6/10/86 (FINAL)
EPA/ID:	NYD002920312
Haz. Rank Score:	41.60
Status:	LISTED ON NPL
Rank:	451
Group:	10
Ownership:	Private
Permit:	Air
Permit:	NPDES
Site Activities:	Chemical Process/Manuf.
Site Activities:	Incinerator
Site Activities:	Spill
Site Activities:	Tank, above ground
Site Activities:	Containers/Drums
Site Activities:	Surface Impoundment
Site Activities:	Tank, below ground
Site Condition:	Contamination of Soil
Site Condition:	Contam. Ground Water
Waste Type:	Chlorinated Organics
Waste Type:	Solvents
Contaminant:	Media Affected:
VINYL CHLORIDE	Not reported
1,1,2-TRICHLOROETHYLENE (TCE)	Not reported
TETRACHLOROETHENE	Not reported
PHENOL	Not reported
1,2-TRANS-DICHLOROETHYLENE	Not reported
1,1,1-TRICHLOROETHANE	Not reported
VINYL ACETATE	Not reported
STYRENE	Not reported
BUTADIENE	Not reported
ADIPIC ACID	Not reported
METHANOL	Not reported
PHTHALIC ACID	Not reported
METHYL ETHYL KETONE	Not reported
PENTACHLOROPHENOL (PCP)	Not reported
ZINC SULFATE	Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**RUCO POLYMER CORP (Continued)**

**1000268848**

Distance to nearest Population: Not reported  
 Population within a 1 Mile Radius: Not reported  
 Population within a 2 Mile Radius: Not reported  
 Population within a 4 Mile Radius: Not reported  
 Vertical Distance to Aquifer: 21 Feet to 75 Feet  
 Ground Water Use: Not Used as Drinking Water, Alternative Source Available  
 Distance to nearest Surface Water: Not reported

**ROD:**

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

**RCRIS:**

Owner: HOOKER CHEMICALS & PLASTICS CORP  
 (516) 931-8100

Contact: PHILIP DEVRIES  
 (516) 931-8100

Record Date: 08/14/1980

Classification: Large Quantity Generator, Small Quantity Generator, TSDf

**BIENNIAL REPORTS:**

Last Biennial Reporting Year: 1997

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	62002.11	D004	19200.65
D028	40401.37	D035	58401.99
D038	19200.65	F003	45201.54
F005	58401.99		

Used Oil Recyc: No

TSDf Activities: Not reported

Violation Status: Violation information exist

There are 8 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/01/1999
Compliance Evaluation Inspection (CEI)	Generator-Land Ban Requirements	08/15/1996
	Generator-All Requirements	08/15/1996
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/03/1992
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	01/04/1990
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	01/04/1990
Non-Financial Record Review	Generator-All Requirements	03/10/1988
Non-Financial Record Review	Generator-All Requirements	09/20/1984

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**LTANKS:**

Spill Number: 8804415	Region of Spill: 1
Facility Contact: Not reported	Facility Tele: Not reported
Investigator: GOERTZ	SWIS: 28
Caller Name: DAVE DESEY	Caller Agency: TANK SPEC INC
Caller Phone: (516) 759-9318	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: (516) 931-8104
Spiller: RUCO POLYMER	

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**RUCO POLYMER CORP (Continued)**

**1000268848**

Spiller Address: NEW SOUTH ROAD  
HICKSVILLE, NY  
Spill Class: Not reported  
Spill Closed Dt: 02/19/1992  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 08/18/1988 15:00  
Cleanup Ceased: 02/19/1992  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 02/21/1992  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 08/19/1988  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: Not reported  
Spill Cause: Not reported  
Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 08/18/1988 16:47

1  
West  
< 1/8  
452  
Higher

**MINEOLA MACK INC**  
**880 S OYSTER BAY RD**  
**HICKSVILLE, NY 11801**

**RCRIS-SQG 1000209178**  
**FINDS NYD012730743**  
**NY Spills**

RCRIS:  
Owner: AMEDEO GABRIELLI  
(212) 555-1212  
Contact: AMEDEO GABRIELLI  
(516) 981-7915  
Record Date: 05/19/1988  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

SPILLS:  
Spill Number: 9304746  
Facility Contact: Not reported  
Investigator: CAMPBELL  
Caller Name: MIKE ELLETTO  
Caller Phone: (516) 547-7104  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: MINEOLA MACK  
Spiller Address: Not reported  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 05/05/1994  
Spill Cause: Other  
Water Affected: Not reported  
Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: YELLOWSTONE  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported  
Resource Affected: On Land  
Spill Source: Other Commercial/Industrial

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**MINEOLA MACK INC (Continued)**

1000209178

Spill Notifier: Other  
Spill Date: 07/15/1993 12:10  
Cleanup Ceased: 05/05/1994  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 05/05/1994  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 07/16/1993  
Date Region Sent Summary to Central Office: Not reported  
Remark: 2K & 1K CONTAMINATION WAS FOUND, LOOKED LIKE TOP LAYER ONLY, NCDH INSPEC  
TOR WILL BE ON SITE, SAME AS 93-04764  
DEC Remarks: 05/05/94: SAME AS 93-04764 DISPOSAL RECPTS REC'VD.

This is the most recent NY SPILLS record for this site.  
The NY SPILLS database contains 1 additional record for this site.  
Please contact your EDR Account Executive for more information.

2  
NW  
< 1/8  
521  
Higher

**GENERAL ELECTRIC SUPPLY CO**  
848 S OYSTER BAY RD  
HICKSVILLE, NY 11801

FINDS 1000212460  
RCRIS-LQG NYD060317831

RCRIS:  
Owner: GENERAL ELECTRIC  
(212) 555-1212  
Contact: JOSEPH HAYDEN  
(516) 931-1890  
Record Date: 10/04/1988  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

A3  
SW  
1/8-1/4  
788  
Higher

**BLUE FLAME**  
17 HAZEL ST  
HICKSVILLE, NY 11801

FINDS 1000196683  
RCRIS-LQG NYD981561004

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**BLUE FLAME (Continued)**

**1000196683**

RCRIS:

Owner: BLUE FLAME - THOMAS DUNN  
(212) 555-1212  
Contact: STEPHEN TYREE  
(516) 249-3150  
Record Date: 09/30/1986  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

**A4  
SSW  
1/8-1/4  
847  
Higher**

**STEEL-LOS III  
945 S OYSTER BAY RD  
BETHPAGE, NY 11714**

**FINDS 1001203071  
RCRIS-LQG NYR000043992**

RCRIS:

Owner: STEEL-LOS III  
(516) 576-3165  
Contact: JOSEPH LOSTRITTO  
(516) 567-3165  
Record Date: 08/22/1997  
Classification: Large Quantity Generator, Small Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1997

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D006	414000.00	D007	414000.00
D008	414000.00	F001	414000.00
F002	414000.00		

Used Oil Recyc: No  
Violation Status: No violations found

**5  
East  
1/8-1/4  
995  
Higher**

**NAVAL WEAPONS IND. RESERVE PLANT  
STEWART AVENUE  
BETHPAGE, NY 11714**

**SHWS S100521004  
N/A**

SHWS:

Facility ID: 130003B EPA ID: NYD602047967  
Region: 1 Site Type: Lagoon Landfill  
Acres: 105 Acres User: Grumman Aerospace - US Navy  
Owner: U.S. Navy  
Grumman Corp., Stewart Ave  
Bethpage, NY 11714  
Operator: Multiple Site Operators  
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION  
REQUIRED.  
Hazardous Waste Disposed: From 1943 To 1987  
Analytical Data Available: Groundwater Soil Sediment



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**NAVAL WEAPONS IND. RESERVE PLANT (Continued)**

**S100521004**

Applicable Standards Exceeded: Groundwater Drinking Water  
 Geotechnical Information: Sand  
 Depth to Groundwater: Approximately 55 feet  
 Legal Action Type: State MOU with DOD Federal MOU with  
 Remedial Action: In Design In Progress  
 Nature of Action: Final on-site soils remedy  
 Enforcement Status: Order Signed  
 Hazardous Waste: Two municipal downgradient water supplies have been impacted, and others are being threatened.

Site Description: This site was formerly part of the Grumman Aerospace-Bethpage Facility, site 130003, which has now been split into two sites, 130003A and 13000B. The site boundaries are, to the west South Oyster Bay Road, to the northeast Stewart Avenue, and to the south the Long Island Railroad and Sycamore Avenue. Hazardous wastes were stored in tanks and drums at various locations on site. The disposal of chemicals via leaks from septic systems, tanks, etc. has occurred on site. Two source areas have been identified at the site and will be targeted for remediation. PCBs have been found in surface soils at levels up to 1300 ppm. Groundwater standards have been contravened at the site with the highest value noted at 58 ppm of Trichloroethylene (TCE). A Remedial Investigation/Feasibility Study (RI/FS) has been completed for this site, and a Record of Decision (ROD) for addressing on-site source areas was issued in May of 1995. There are four components to the remedy: 1) soil vapor extraction/air sparging to remediate VOC-contaminated soils. 2) excavation and off-site treatment/disposal of PCB-contaminated soils. 3) excavation and treatment/disposal of arsenic contaminated soils. 4) a Navy funded treatment system at the Bethpage Water District's Plant # 5. The remedial design has begun. The Navy is working with Grumman on the groundwater remedy. The remediation work in Site 2 was completed in June 1996. Design-phase sampling in Site 1 found PCBs at a much greater depth than originally found. As a result, the Navy is expected to propose a ROD amendment in 1999. The Soil Vapor Extraction System for Site 1 is complete, and operating.

Environmental Problems: Trichloroethylene (F001) - unknown  
 Tetrachloroethene ((PCE or "perc.") F002 - unknown  
 1,1,1-Trichloroethane - unknown  
 Cyanide (F007) - unknown  
 Arsenic (D003)

Health Problems: Groundwater on-site is contaminated but is not used as a potable water supply. A groundwater pump and treat system implemented at the adjoining Grumman site (#130003A) is expected to reduce concentrations of contaminants originating from both sites. Off-site groundwater contamination has affected several public water supply wells. Water from these wells is treated to remove contaminants prior to distribution in the public water supply system. As changes in site use are proposed, exposure assessments will be conducted to ensure the protection of public health.

6  
 West  
 1/8-1/4  
 1086  
 Higher

**BLUE FLAME  
 3 WASHINGTON PKWY  
 HICKSVILLE, NY**

**LTANKS  
 NY Spills**

**S100149723  
 N/A**

SPILLS:  
 Spill Number: 9710798 Region of Spill: 1  
 Facility Contact: Not reported Facility Tele: Not reported  
 Investigator: PARISH SWIS: 28  
 Caller Name: TOM DUNN Caller Agency: BLUE FLAME

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**BLUE FLAME (Continued)**

**S100149723**

Caller Phone: (516) 931-6700  
Notifier Name: DOUGLAS SCHMIEDER  
Notifier Phone: (516) 283-7501  
Spiller Contact: TOM DUNN  
Spiller: BLUE FLAME OIL COMPANY  
Spiller Address: 3 WASHINGTON PARKWAY  
HICKSVILLE, NY  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 04/02/1998  
Spill Cause: Housekeeping  
Water Affected: Not reported  
Spill Notifier: Other  
Spill Date: 12/17/1997 15:10  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 04/03/1998  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 12/23/1997  
Date Region Sent Summary to Central Office: Not reported  
Remark: 30 YARDS OF CONTAMINATED SOIL STOCKPILED ON SITE FROM PREVIOUS TANK REMO  
VAL AND YARD CLEAN UPS  
DEC Remarks: SOIL SAMPLED,CAN REMAIN ON SITE AS FILL

**LTANKS:**

Spill Number: 8704453  
Facility Contact: Not reported  
Investigator: ACAMPORA  
Caller Name: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: BLUE FLAME  
Spiller Address: 3 WASHINGTON PARKWAY  
HICKSVILLE, NY 11801  
Spill Class: Not reported  
Spill Closed Dt: 12/24/1990  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 08/28/1987 12:00  
Cleanup Ceased: 12/24/1990  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 12/27/1990  
Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: Not reported  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: (516) 931-6700  
Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 08/28/1987 12:00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**BLUE FLAME (Continued)**

**S100149723**

Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 09/01/1987  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: / / : TYREE PULLING TANKS. SOME CONTAMINATION AT PUMP AREA.  
Spill Cause: Not reported

**B7  
WSW  
1/8-1/4  
1169  
Higher**

**JOHN GRACE & CO  
34 WASHINGTON PKWY  
HICKSVILLE, NY 11801**

**FINDS 1000789191  
RCRIS-LQG NYD986999365**

**RCRIS:**

Owner: STARBARE II PARTNERS LP  
(201) 228-8675  
Contact: MICHAEL CARPINO  
(201) 228-8675  
Record Date: 05/17/1996  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
Enforcement Docket System (DOCKET)

**B8  
WSW  
1/8-1/4  
1218  
Higher**

**DC FEMIA AUTO COLLISION  
44 WASHINGTON PKWY  
HICKSVILLE, NY 11801**

**RCRIS-SQG 1000228180  
FINDS NYD982180606**

**RCRIS:**

Owner: UNKNOWN  
(212) 555-1212  
Contact: SAL FEMIA  
(516) 681-6660  
Record Date: 04/27/1987  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

**9  
SW  
1/8-1/4  
1224  
Higher**

**PRIDE UTILITIES INC  
70 WASHINGTON PKWY  
HICKSVILLE, NY 11801**

**RCRIS-SQG 1001079917  
FINDS NYR000016246**

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**PRIDE UTILITIES INC (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

1001079917

RCRIS:

Owner: ALFRED WREG  
 (516) 467-3728

Contact: ROBERT WREGE  
 (516) 681-6663

Record Date: 11/15/1995

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**C10  
 ENE  
 1/8-1/4  
 1277  
 Higher**

**GRUMMAN  
 GRUMMAN PLANT #17  
 BETHPAGE, NY**

**LTANKS**

**S100177076  
 N/A**

LTANKS:

Spill Number:	9105709	Region of Spill:	1
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	T/T/F	SWIS:	28
Caller Name:	GINA COSTINI	Caller Agency:	TYREE
Caller Phone:	(516) 249-3150	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:	(516) 575-8176
Spiller:	GRUMMAN		
Spiller Address:	Not reported		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	02/27/1995		
Spill Cause:	Tank Test Failure	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester	PBS Number:	Not reported
Spill Date:	08/26/1991 13:30	Reported to Dept:	08/26/1991 15:23
Cleanup Ceased:	02/27/1995		
Last Inspection:	Not reported		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	False		
Spill Record Last Update:	02/27/1995		
Is Updated:	False		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	08/28/1991		
Date Region Sent Summary to Central Office:	Not reported		
DEC Remarks:	02/27/95: TANK REMOVED 10/3/91, CONT SOILS REMOVED, SOIL BORING PERFORME D, NO FURTHER WORK NECESSARY AT THIS TIME.		
Spill Cause:	Not reported		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

C11  
ENE  
1/8-1/4  
1277  
Higher

GRUMMAN  
BLDG #15  
BETHPAGE, NY

Database(s)

EDR ID Number  
EPA ID Number

LTANKS

S100169240  
N/A

LTANKS:

Spill Number: 8901729  
Facility Contact: Not reported  
Investigator: LEUNG  
Caller Name: TERRENCE NEILLY  
Caller Phone: (516) 349-8989  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: GRUMMAN  
Spiller Address: Not reported  
Spill Class: Not reported  
Spill Closed Dt: 10/26/1990  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 05/19/1989 17:00  
Cleanup Ceased: 10/26/1990  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 10/29/1990  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered in Computer Data File: 05/22/1989  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 10/26/90: PIPING REPAIRED, CONT SOIL REMOVED. TANK SYSTEM PASSED RETEST.  
Spill Cause: Not reported

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: GENERAL UTILITIES  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: (516) 575-8176

Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 05/19/1989 18:12

12  
North  
1/4-1/2  
1348  
Higher

NEW YORK TELEPHONE CO  
920 S OYSTER BAY RD ROOM 300  
BETHPAGE, NY 11714

RCRIS-SQG 1000136892  
FINDS NYD982185712

RCRIS:

Owner: NEW YORK TELEPHONE CO  
(212) 555-1212  
Contact: JACK OBRIEN  
(914) 789-6141  
Record Date: 05/28/1987  
Classification: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**NEW YORK TELEPHONE CO (Continued)**

1000136892

Used Oil Recyc: No  
Violation Status: No violations found

13  
East  
1/4-1/2  
1358  
Higher

**GRUMMAN  
BLDG #3  
BETHPAGE, NY**

**LTANKS S102669168  
N/A**

**LTANKS:**

Spill Number: 9100456 Region of Spill: 1  
Facility Contact: Not reported Facility Tele: Not reported  
Investigator: KISPERT SWIS: 28  
Caller Name: BOB AGEE Caller Agency: GRUMMAN  
Caller Phone: (516) 575-2385 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: (516) 575-2385  
Spiller: GRUMMAN  
Spiller Address: Not reported  
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: 06/10/1994  
Spill Cause: Tank Overfill Resource Affected: On Land  
Water Affected: Not reported Spill Source: Other Commercial/Industrial  
Spill Notifier: Responsible Party PBS Number: Not reported  
Spill Date: 04/11/1991 08:00 Reported to Dept: 04/11/1991 09:35  
Cleanup Ceased: 06/10/1994  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 06/13/1994  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 04/15/1991  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 06/10/94: AFFECTED SOIL REMOVED, NO NEED FOR FURTHER ACTION.  
Spill Cause: Not reported

14  
WNW  
1/4-1/2  
1401  
Higher

**NORTHROP GRUMMAN CORP  
B12 NEW SOUTH STREET  
BETHPAGE, NY**

**LTANKS S102232614  
N/A**

**LTANKS:**

Spill Number: 9602153 Region of Spill: 1  
Facility Contact: RON PATEK Facility Tele: (000) 000-0000  
Investigator: T/T/F SWIS: 28  
Caller Name: FRED LAUHARN Caller Agency: DRY AS A BONE TANK TESTIN  
Caller Phone: (516) 678-5115 Caller Extension: Not reported  
Notifier Name: FRED LAUHARN Notifier Agency: DRY AS A BONE INC

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

**NORTHROP GRUMMAN CORP (Continued)**

**S102232614**

Notifier Phone: (516) 678-5115  
Spiller Contact: RON PATEK  
Spiller: NORTHROP GRUMMAN CORP  
Spiller Address: B12 NEW SOUTH STREET  
BETHPAGE  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 07/25/1996  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 05/14/1996 17:04  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 07/25/1996  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 05/14/1996  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: TANK REMOVED 7/23/96, SPILLAGE TO BE HANDLED UNDER SPILL 95-11211  
Spill Cause: Not reported

Notifier Extension: Not reported  
Spiller Phone: (000) 000-0000  
Resource Affected: On Land  
Spill Source: Other Commercial/Industrial  
PBS Number: 0-00000  
Reported to Dept: 05/14/1996 18:07

D15  
SW  
1/4-1/2  
1490  
Higher

**C & D TYPE SETTERS INC**  
**960 S BROADWAY**  
**HICKSVILLE, NY 11801**

**FINDS** 1000110027  
**RCRIS-LQG** NYD982186983

RCRIS:  
Owner: CHARLES SARGENT  
(212) 555-1212  
Contact: CHARLES SARGENT  
(516) 822-8514  
Record Date: 05/20/1987  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

D16  
SW  
1/4-1/2  
1523  
Higher

**AVIS CAR RENTAL**  
**980 SOUTH BROADWAY**  
**BETHPAGE, NY**

**LTANKS** S100147547  
N/A

LTANKS:  
Spill Number: 8809010  
Facility Contact: Not reported  
Investigator: NCFM FD  
Caller Name: SUPERVISOR CHARLES PARKER  
Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: NC FIRE COMM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

AVIS CAR RENTAL (Continued)

S100140547

Caller Phone: (516) 742-3191  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: AVIS CAR RENTAL  
Spiller Address: Not reported  
Spill Class: Not reported  
Spill Closed Dt: 02/21/1989  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Notifier: Fire Department  
Spill Date: 02/19/1989 14:03  
Cleanup Ceased: 02/21/1989  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 05/06/1999  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 02/21/1989  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: Not reported  
Spill Cause: Not reported

Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: (516) 933-7727

Resource Affected: On Land  
Spill Source: Passenger Vehicle  
PBS Number: Not reported  
Reported to Dept: 02/19/1989 15:15

E17  
WSW  
1/4-1/2  
1560  
Higher

TRUE AUTO RESTORATIONS INC  
870 S BROADWAY E SECTION  
HICKSVILLE, NY 11801

RCRIS-SQG 1000553680  
FINDS NYD986961076

RCRIS:  
Owner: BOB MISTRETTO  
(212) 555-1212  
Contact: BOB MISTRETTO  
(516) 822-1042  
Record Date: 06/10/1991  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

E18  
WSW  
1/4-1/2  
1560  
Higher

FIRESTONE SAVMOR AUTO SERVICE  
870 S BROADWAY  
HICKSVILLE, NY 11801

FINDS 1000222624  
RCRIS-LQG NYD981489826



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FIRESTONE SAVMOR AUTO SERVICE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

1000222624

RCRIS:

Owner: RAY VILLAFANNA  
(212) 555-1212  
Contact: JOHN COVERAS  
(516) 822-2857  
Record Date: 06/09/1986  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

**E19  
WSW  
1/4-1/2  
1560  
Higher**

**A ERNIES AUTO BODY INC  
870 S BROADWAY  
HICKSVILLE, NY 11801**

**RCRIS-SQG 1000217113  
FINDS NYD050594878**

RCRIS:

Owner: ERNEST DEMARCO  
(212) 555-1212  
Contact: JOSEPH ZARRILLO  
(516) 938-2929  
Record Date: 05/27/1987  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**E20  
WSW  
1/4-1/2  
1560  
Higher**

**BETHPAGE TRANSMISSION  
870 BROADWAY  
HICKSVILLE, NY 11801**

**FINDS 1000243979  
RCRIS-LQG NYD012728010**

RCRIS:

Owner: NICK & STEVEN FERRARO  
(212) 555-1212  
Contact: BARRY PIVNICK  
(516) 681-5210  
Record Date: 07/22/1987  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EPA ID Number

EPA ID Number

**BETHPAGE TRANSMISSION (Continued)**

1000243979

Used Oil Recyc: No  
Violation Status: No violations found

21  
SW  
1/4-1/2  
1568  
Higher

**TEXACO USA A DIVISION OF TEXACO INC**  
1000 S BROADWAY  
HICKSVILLE, NY 11801

**FINDS** 1000144460  
**RCRIS-LQG** NYD000694448

RCRIS:  
Owner: TEXACO USA  
(609) 667-3800  
Contact: H E PHILLIPS  
(609) 667-3800  
Record Date: 08/18/1980  
Classification: Large Quantity Generator, Hazardous Waste Transporter  
Used Oil Recyc: No  
Violation Status: No violations found

E22  
West  
1/4-1/2  
1648  
Higher

**CORAL GRAPHIC SERVICES INC**  
840 S BROADWAY  
HICKSVILLE, NY 11801

**FINDS** 1000990164  
**RCRIS-LQG** NYR000001230

RCRIS:  
Owner: FC PROPERTIES INC  
(516) 576-2100  
Contact: WILLIAM CURRAN  
(516) 576-2100  
Record Date: 03/03/1995  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

F23  
SW  
1/4-1/2  
1709  
Higher

**PHOTO WORKS**  
25 BLUMINGDALE RD  
HICKSVILLE, NY 11801

**FINDS** 1000415373  
**RCRIS-LQG** NYD981488240

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PHOTO WORKS (Continued)

1000415373

RCRIS:  
Owner: MORRIS NESSIN  
(212) 555-1212  
Contact: MORRIS NESSIN  
(516) 933-6110  
Record Date: 06/09/1986  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

F24  
SW  
1/4-1/2  
1813  
Higher

YALE RADIATOR & AUTO REPAIR  
37 BLOOMINGDALE RD  
HICKSVILLE, NY 11801

RCRIS-SQG 1000198265  
FINDS NYD168346880  
NY Spills

RCRIS:  
Owner: RICHARD BERNSTEIN  
(212) 555-1212  
Contact: RICHARD BERNSTEIN  
(516) 935-0090  
Record Date: 09/12/1989  
Classification: Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

SPILLS:

Spill Number: 8903964  
Facility Contact: Not reported  
Investigator: NCDH  
Caller Name: ALEX PANKOFF  
Caller Phone: (516) 922-5800  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: YALE RADIATOR  
Spiller Address: 37 BLOOMINGDALE ROAD  
HICKSVILLE, NY

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: TOWN OF OYSTER BAY  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported

Spill Class: Not reported  
Spill Closed Dt: 03/01/1990  
Spill Cause: Deliberate  
Water Affected: Not reported  
Spill Notifier: Local Agency  
Spill Date: 07/21/1989 06:00  
Cleanup Ceased: 03/01/1990  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False

Resource Affected: On Land  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 07/21/1989 08:47

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**YALE RADIATOR & AUTO REPAIR (Continued)**

**1000198265**

Spill Record Last Update: 03/01/1990  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 07/24/1989  
Date Region Sent Summary to Central Office: Not reported  
Remark: BEHIND THE BUILDING. SPILLER DUMPS THE MATERIAL BEHIND THE SHOP AFTER HE  
CLEANS OUT A RADIATOR  
DEC Remarks: Not reported

**25  
NW  
1/4-1/2  
1844  
Higher**

**VOIGT PROPERTY  
335 NEW SOUTH RD  
HICKSVILLE, NY 11801**

**FINDS 1000912299  
RCRIS-LQG NY0000588467**

RCRIS:  
Owner: VOIGT RELTY CO  
(516) 673-0037  
Contact: AL VALERIO  
(516) 673-0037  
Record Date: 08/15/1994  
Classification: Large Quantity Generator, Hazardous Waste Transporter  
Used Oil Recyc: No  
Violation Status: No violations found

**26  
WSW  
1/4-1/2  
2057  
Higher**

**FLYNN RESIDENCE  
11 BIRCHWOOD LN  
HICKSVILLE, NY**

**LTANKS S102233093  
N/A**

LTANKS:  
Spill Number: 9514958 Region of Spill: 1  
Facility Contact: PATRICK FLYNN Facility Tele: (516) 938-2484  
Investigator: NONE SWIS: 28  
Caller Name: PATRICK FLYNN Caller Agency: HOMEOWNER  
Caller Phone: (516) 938-2484 Caller Extension: Not reported  
Notifier Name: RELIANCE WRITE FUEL Notifier Agency: Not reported  
Notifier Phone: Not reported Notifier Extension: Not reported  
Spiller Contact: PATRICK FLYNN Spiller Phone: (516) 938-2484  
Spiller: FLYNN RESIDENCE  
Spiller Address: 11 BIRCHWOOD LANE  
HICKSVILLE, NY 11801  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 02/22/1996  
Spill Cause: Tank Failure Resource Affected: On Land  
Water Affected: Not reported Spill Source: Private Dwelling  
Spill Notifier: Responsible Party PBS Number: Not reported  
Spill Date: 02/21/1996 18:00 Reported to Dept: 02/21/1996 22:53  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

**FLYNN RESIDENCE (Continued)**

**S102233093**

Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 02/23/1996  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 02/21/1996  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: Not reported  
Spill Cause: Not reported

**G27  
NW  
1/4-1/2  
2166  
Higher**

**ERM NORTHEAST  
335 NEW SOUTH RD  
HICKSVILLE, NY**

**LTANKS S100494026  
N/A**

**LTANKS:**

Spill Number: 9206957  
Facility Contact: Not reported  
Investigator: T/T/F  
Caller Name: GINA BENDETTI  
Caller Phone: (516) 249-3150  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: ERM NORTHEAST  
Spiller Address: 175 FROELICH FARM BLVD  
WOODBURY, NY  
Spill Class: No spill occurred. (Not Possible)  
Spill Closed Dt: 12/08/1993  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 09/16/1992 14:00  
Cleanup Ceased: 12/08/1993  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 12/09/1993  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 09/18/1992  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 12/08/93: TANK REMOVED IN PRESENCE OF DEC DECANDIA 10/1/93, NO CONT SOIL  
ENCOUNTERED, NO FURTHER ACTION.  
Spill Cause: Not reported

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: TYREE  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: (516) 921-4300

Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 09/16/1992 15:20

**28  
SSE  
1/4-1/2  
2296  
Same**

**GENERAL ELECTRIC  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801**

**NY Spills S102137719  
CBS AST N/A  
MOSF AST  
AST**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

GENERAL ELECTRIC (Continued)

S102137719

SPILLS:

Spill Number: 8807458  
Facility Contact: Not reported  
Investigator: MIRZA FD  
Caller Name: DAVID COLLINS  
Caller Phone: (516) 349-0418  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: GENERAL ELECTRIC  
Spiller Address: Not reported  
Spill Class: Not reported  
Spill Closed Dt: 12/31/1988  
Spill Cause: Equipment Failure  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Spill Date: 12/09/1988 10:30  
Cleanup Ceased: 12/31/1988  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 04/28/1999  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 12/13/1988  
Date Region Sent Summary to Central Office: Not reported  
Remarks: CRANE POPPED A HYDRAULIC LINE. GE DUG UP SOIL & PUT INTO DRUM 1/2 FULL  
DEC Remarks: 12/09/88: 1 1/2 YD SOIL REMOVED. CPC TO DISPOSE OF.

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: GENERAL ELECTRIC  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported  
Resource Affected: On Land  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 12/09/1988 10:55

CBS AST:

CBS Number: 1-000129  
Owner: TBG COGEN PARTNERS  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
(516) 349-8340  
Telephone: (516) 349-8340  
Facility Status: Not reported  
Total Tanks: 2  
Tank Status: In Service  
Tank Error Status: No Missing Data  
Tank Location: Aboveground  
Install Date: 05/89  
Capacity (Gal): 2000  
Tank Type: Steel/carbon steel  
Substance: Single Hazardous Substance on DEC List  
Extrnl Protection: Jacketed  
Intrnl Protection: None  
Tank Containment: Diking  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: Painted/Asphalt Coating  
Pipe Containment: Diking  
Leak Detection: Other  
Overfill Protection: 4/4  
Pipe Location: Aboveground  
Haz Percent: 50

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

GENERAL ELECTRIC (Continued)

S102137719

Chemical: Not reported  
PBS Number: Not reported  
Federal ID: Not reported  
MOSF Number: 1-3280  
SPDES Number: Not reported  
Facility Type: Utility (i.e. Wastewater Treatment Plant)  
Operator: KEN FORD  
Emrgncy Contact: KEN FORD  
Certified Date: 06/04/1999  
Owner type: Corporate/Commercial  
Owner Sub Type: Not reported  
Mail Name: TBG COGEN PARTNERS  
Mail Contact: JOHN SASSO  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
Mail Phone: (516) 349-8340  
Tank Secret: False  
Last Test: Not reported  
Pipe Flag: False  
Renew Date: 03/01/93  
Is it There: 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): 4000  
Unique Tank Id Number: 11  
Date Pre-Printed Renewal App Form Was Last Printed: 02/26/1999

Tank Closed: Not reported  
SWIS Code: 2824  
CAS Number: 1310732  
ICS Number: 1-700334  
Facility Town: OYSTER BAY  
Emrgncy Phone: (516) 349-8340  
Expiration Date: 06/27/2001

Date Entered: 06/27/1989 10:00:23  
Due Date: Not reported  
Owner Mark: 1  
Date Expired: 06/27/95  
Is Updated: False

CBS Number: 1-000129  
Owner: TBG COGEN PARTNERS  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
(516) 349-8340  
Telephone: (516) 349-8340

Facility Status: Not reported  
Total Tanks: 2  
Tank Status: In Service  
Tank Error Status: No Missing Data  
Tank Location: Aboveground  
Install Date: 05/89  
Capacity (Gal): 2000  
Tank Type: Steel/carbon steel  
Substance: Single Hazardous Substance on DEC List  
Extrnl Protection: Painted/Asphalt Coating  
Intrnl Protection: None  
Tank Containment: Diking  
Pipe Type: STEEL/IRON  
Pipe Location: Aboveground  
Pipe Internal: None  
Pipe External: Painted/Asphalt Coating  
Pipe Containment: Diking  
Leak Detection: Other  
Overfill Protection: 4/4  
Haz Percent: 93  
Tank Closed: Not reported  
SWIS Code: 2824  
CAS Number: 7664939  
ICS Number: 1-700334

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

GENERAL ELECTRIC (Continued)

S102137719

Facility Type: Utility (i.e. Wastewater Treatment Plant)  
Operator: KEN FORD  
Emergncy Contact: KEN FORD  
Certified Date: 06/04/1999  
Owner type: Corporate/Commercial  
Owner Sub Type: Not reported  
Mail Name: TBG COGEN PARTNERS  
Mail Contact: JOHN SASSO  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
Mail Phone: (516) 349-8340  
Tank Secret: False  
Last Test: Not reported  
Pipe Flag: False  
Renew Date: 03/01/93  
Is it There: 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): 4000  
Unique Tank Id Number: 12  
Date Pre-Printed Renewal App Form Was Last Printed: 02/26/1999  
Facility Town: OYSTER BAY  
Emergncy Phone: (516) 349-8340  
Expiration Date: 06/27/2001  
Date Entered: 06/27/1989 10:00:03  
Due Date: Not reported  
Owner Mark: 1  
Date Expired: 06/27/95  
Is Updated: False

MOSF AST:

MOSF Number: 1-3280  
Federal ID: Not reported  
Facility Type: Other  
Facility Status: ACTIVE FACILITY  
Tank Status: In Service  
Owner: TBG COGEN PARTNERS  
939 S BROADWAY  
HICKSVILLE, NY 11801  
Owner Tel: (516) 349-8340  
Owner Type: Corporate/Commercial  
Tank Status: In Service  
Total Tanks: 1  
Tank Location: Aboveground on crib, rack or cradle  
Install Date: 12/88  
Tank Type: Steel/carbon steel  
Tank External: 10  
Tank Internal: None  
Product: Nos. 1, 2, or 4 Fuel Oil  
Status of Data: Complete  
Pipe Location: Aboveground  
Pipe Internal: None  
Pipe External: 10  
Second Contain: Prefabricated Steel Dike  
Leak Detection: 35  
Overfill Protection: 24  
Test Date: 11/97  
Dispensing Mthd: Suction  
SWIS Code: 28  
Mailing Name: TBG COGEN PARTNERS  
939 S BROADWAY  
HICKSVILLE, NY 11801  
Mailing Contact: JOHN SASSO  
Mailing Phone: (516) 349-8340  
Telephone: (516) 349-8340  
Tank ID: 7AG  
Daily Throughput 0 Gal(s)  
Total Capacity: 500000  
Capacity (gal): 500000  
Pipe Type: STEEL/IRON  
Dispenser: Suction  
Date Closed: Not reported  
Facility Town: OYSTER BAY



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

**GENERAL ELECTRIC (Continued)**

**S102137719**

Pipe Flag: True  
Reserve Flag: True  
Legal Agent: TBG COGEN PARTNERS  
939 S BROADWAY  
HICKSVILLE, NY 11801  
Date Legal Agent Filed with Secretary of State: Not reported  
Name of Emergency Contact: JOHN SASSO  
Emergency Contact Telephone: (516) 349-8340  
Chemical Bulk Storage Number: 1-000129  
Pollution Discharge Elimination System Num: 0-096792  
License Status: License Issued  
Date License Application Received: 02/25/1998  
Date License Issued: 03/31/1998  
Product Transfer Operation: Tank Truck  
Operator Name: JOHN SASSO  
Lat/Long: 40|44|49 / 73|29|58  
Vessel ID: Not reported  
Inspected State: Not reported  
Inspected Date: 01/20/2000  
Owner Status: 2  
Owner Mark: 2  
LIC Expires: 03/31/2003  
Renew Date: 11/07/1997  
Inspector Initials: NC  
COI Date: / /

**CBS AST:**

CBS Number: 1-000129 Telephone: (516) 349-8340  
Owner: TBG COGEN PARTNERS  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
(516) 349-8340

Facility Status: Not reported  
Total Tanks: 2  
Tank Status: In Service  
Tank Error Status: No Missing Data  
Tank Location: Aboveground  
Install Date: 05/89  
Capacity (Gal): 2000  
Tank Type: Steel/carbon steel  
Substance: Single Hazardous Substance on DEC List  
Extrnl Protection: Jacketed  
Intrnl Protection: None  
Tank Containment: Diking  
Pipe Type: STEEL/IRON Pipe Location: Aboveground  
Pipe Internal: None  
Pipe External: Painted/Asphalt Coating  
Pipe Containment: Diking Haz Percent: 50  
Leak Detection: Other  
Overfill Protection: 4/4  
Chemical: Not reported Tank Closed: Not reported  
PBS Number: Not reported SWIS Code: 2824  
Federal ID: Not reported  
MOSF Number: 1-3280 CAS Number: 1310732  
SPDES Number: Not reported ICS Number: 1-700334  
Facility Type: Utility (i.e. Wastewater Treatment Plant)  
Operator: KEN FORD Facility Town: OYSTER BAY  
Emrgncy Contact: KEN FORD Emrgncy Phone: (516) 349-8340

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

GENERAL ELECTRIC (Continued)

S102137719

Certified Date: 06/04/1999 Expiration Date: 06/27/2001  
Owner type: Corporate/Commercial  
Owner Sub Type: Not reported  
Mail Name: TBG COGEN PARTNERS  
Mail Contact: JOHN SASSO  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
Mail Phone: (516) 349-8340  
Tank Secret: False Date Entered: 06/27/1989 10:00:23  
Last Test: Not reported Due Date: Not reported  
Pipe Flag: False Owner Mark: 1  
Renew Date: 03/01/93 Date Expired: 06/27/95  
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): 4000  
Unique Tank Id Number: 11  
Date Pre-Printed Renewal App Form Was Last Printed: 02/26/1999

CBS Number: 1-000129 Telephone: (516) 349-8340  
Owner: TBG COGEN PARTNERS  
939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
(516) 349-8340

Facility Status: Not reported  
Total Tanks: 2  
Tank Status: In Service  
Tank Error Status: No Missing Data  
Tank Location: Aboveground  
Install Date: 05/89  
Capacity (Gal): 2000  
Tank Type: Steel/carbon steel  
Substance: Single Hazardous Substance on DEC List  
Extrnl Protection: Painted/Asphalt Coating  
Intrnl Protection: None  
Tank Containment: Diking  
Pipe Type: STEEL/IRON Pipe Location: Aboveground  
Pipe Internal: None  
Pipe External: Painted/Asphalt Coating  
Pipe Containment: Diking Haz Percent: 93  
Leak Detection: Other  
Overfill Protection: 4/4  
Chemical: Not reported Tank Closed: Not reported  
PBS Number: Not reported SWIS Code: 2824  
Federal ID: Not reported  
MOSF Number: 1-3280 CAS Number: 7664939  
SPDES Number: Not reported ICS Number: 1-700334  
Facility Type: Utility (i.e. Wastewater Treatment Plant)  
Operator: KEN FORD Facility Town: OYSTER BAY  
Emrgncy Contact: KEN FORD Emrgncy Phone: (516) 349-8340  
Certified Date: 06/04/1999 Expiration Date: 06/27/2001  
Owner type: Corporate/Commercial  
Owner Sub Type: Not reported  
Mail Name: TBG COGEN PARTNERS  
Mail Contact: JOHN SASSO

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

GENERAL ELECTRIC (Continued)

S102137719

939 SOUTH BROADWAY  
HICKSVILLE, NY 11801  
Mail Phone: (516) 349-8340  
Tank Secret: False  
Last Test: Not reported  
Pipe Flag: False  
Renew Date: 03/01/93  
Is it There: 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): 4000  
Unique Tank Id Number: 12  
Date Pre-Printed Renewal App Form Was Last Printed: 02/26/1999  
Date Entered: 06/27/1989 10:00:03  
Due Date: Not reported  
Owner Mark: 1  
Date Expired: 06/27/95  
Is Updated: False

MOSF AST:

MOSF Number: 1-3280 Telephone: (516) 349-8340  
Federal ID: Not reported  
Facility Type: Other  
Facility Status: ACTIVE FACILITY  
Tank Status: In Service  
Owner: TBG COGEN PARTNERS  
939 S BROADWAY  
HICKSVILLE, NY 11801  
Owner Tel: (516) 349-8340  
Owner Type: Corporate/Commercial  
Tank Status: In Service Tank ID: 7AG  
Total Tanks: 1 Daily Throughput 0 Gal(s)  
Tank Location: Aboveground on crib, rack or cradle  
Install Date: 12/88 Total Capacity: 500000  
Tank Type: Steel/carbon steel  
Tank External: 10  
Tank Internal: None  
Product: Nos. 1, 2, or 4 Fuel Oil Capacity (gal): 500000  
Status of Data: Complete  
Pipe Location: Aboveground Pipe Type: STEEL/IRON  
Pipe Internal: None Dispenser: Suction  
Pipe External: 10  
Second Contain: Prefabricated Steel Dike  
Leak Detection: 35  
Overfill Protection: 24  
Test Date: 11/97 Date Closed: Not reported  
Dispensing Mthd: Suction Facility Town: OYSTER BAY  
SWIS Code: 28  
Mailing Name: TBG COGEN PARTNERS  
939 S BROADWAY  
HICKSVILLE, NY 11801  
Mailing Contact: JOHN SASSO  
Mailing Phone: (516) 349-8340  
Pipe Flag: True  
Reserve Flag: True  
Legal Agent: TBG COGEN PARTNERS  
939 S BROADWAY  
HICKSVILLE, NY 11801  
Date Legal Agent Filed with Secretary of State: Not reported  
Name of Emergency Contact: JOHN SASSO  
Emergency Contact Telephone: (516) 349-8340

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

GENERAL ELECTRIC (Continued)

S102137719

Chemical Bulk Storage Number: 1-000129  
Pollution Discharge Elimination System Num: 0-096792  
License Status: License Issued  
Date License Application Received: 02/25/1998  
Date License Issued: 03/31/1998  
Product Transfer Operation: Tank Truck  
Operator Name: JOHN SASSO  
Lat/Long: 40I44I49 / 73I29I58  
Vessel ID: Not reported  
Inspected State: Not reported  
Inspected Date: 01/20/2000  
Owner Status: 2  
Owner Mark: 2  
LIC Expires: 03/31/2003  
Renew Date: 11/07/1997  
Inspector Initials: NC  
COI Date: / /

Nassau County AST:

Facility ID: 001217  
Tank Location: Outdoors, Aboveground  
Tank Status: In Service  
Int Protection: None  
Ext Protection: PAINTED [e.g. asphaltic]  
Piping Type: Other  
Description: SODIUM HYDROXIDE  
Leak Detect: OTHER  
Dispense Method: Gravity  
Fill Type: Pumped  
Tank ID: 0011  
Capacity (Gal): 2000  
Tank Material: STEEL  
Material Type: Fresh/Product  
Containment: DIKING AND PAD  
Product Gauge: Yes  
Install Date: 041992

Facility ID: 001217  
Tank Location: Outdoors, Aboveground  
Tank Status: In Service  
Int Protection: None  
Ext Protection: PAINTED [e.g. asphaltic]  
Piping Type: Other  
Description: SULPHURIC ACID  
Leak Detect: OTHER  
Dispense Method: Gravity  
Fill Type: Pumped  
Tank ID: 0012  
Capacity (Gal): 2000  
Tank Material: STEEL  
Material Type: Fresh/Product  
Containment: DIKING AND PAD  
Product Gauge: Yes  
Install Date: 041992

Facility ID: 001217  
Tank Location: Indoors, Aboveground  
Tank Status: In Service  
Int Protection: None  
Ext Protection: NONE  
Piping Type: Steel/Iron  
Description: ERYTHORBIC ACID  
Leak Detect: OTHER  
Dispense Method: Submersible  
Fill Type: Pumped  
Tank ID: 0051  
Capacity (Gal): 400  
Tank Material: STEEL  
Material Type: Fresh/Product  
Containment: DIKING AND PAD  
Product Gauge: Yes  
Install Date: 041992

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**GENERAL ELECTRIC (Continued)**

**S102137719**

Facility ID:	001217	Tank ID:	0052
Tank Location:	Indoors, Aboveground	Capacity (Gal):	75
Tank Status:	In Service	Tank Material:	STEEL
Int Protection:	None		
Ext Protection:	NONE	Material Type:	Fresh/Product
Piping Type:	Steel/Iron		
Description:	POTASSIUM HYDROXIDE	Containment:	DIKING AND PAD
Leak Detect:	OTHER	Product Gauge:	Yes
Dispense Method:	Submersible	Install Date:	041992
Fill Type:	Pumped		
Facility ID:	001217	Tank ID:	0053
Tank Location:	Indoors, Aboveground	Capacity (Gal):	75
Tank Status:	In Service	Tank Material:	STEEL
Int Protection:	None		
Ext Protection:	NONE	Material Type:	Fresh/Product
Piping Type:	Steel/Iron		
Description:	SODIUM TRIPOLYPHOSPHATE	Containment:	DIKING AND PAD
Leak Detect:	OTHER	Product Gauge:	Yes
Dispense Method:	Submersible	Install Date:	041992
Fill Type:	Pumped		
Facility ID:	001217	Tank ID:	0054
Tank Location:	Indoors, Aboveground	Capacity (Gal):	75
Tank Status:	In Service	Tank Material:	STEEL
Int Protection:	None		
Ext Protection:	NONE	Material Type:	Fresh/Product
Piping Type:	Steel/Iron		
Description:	SODIUM TRIPOLYPHOSPHATE	Containment:	DIKING AND PAD
Leak Detect:	OTHER	Product Gauge:	Yes
Dispense Method:	Submersible	Install Date:	041992
Fill Type:	Pumped		
Facility ID:	001217	Tank ID:	0055
Tank Location:	Indoors, Aboveground	Capacity (Gal):	100
Tank Status:	In Service	Tank Material:	STEEL
Int Protection:	None		
Ext Protection:	NONE	Material Type:	Fresh/Product
Piping Type:	Steel/Iron		
Description:	POTASSIUM HYDROXIDE	Containment:	DIKING AND PAD
Leak Detect:	OTHER	Product Gauge:	Yes
Dispense Method:	Submersible	Install Date:	041992
Fill Type:	Pumped		
Facility ID:	001217	Tank ID:	0073
Tank Location:	Indoors, Aboveground	Capacity (Gal):	300
Tank Status:	In Service	Tank Material:	STEEL
Int Protection:	None		
Ext Protection:	FIBERGLASS REINFORCED PLASTIC	Material Type:	Waste
Piping Type:	Steel/Iron		
Description:	PCB CONTAMINATED MATERIALS	Containment:	DIKING AND PAD
Leak Detect:	OTHER	Product Gauge:	Yes
Dispense Method:	Suction	Install Date:	051994
Fill Type:	Pumped		

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EPA ID Number

EDR ID Number  
EPA ID Number

G29  
NW  
1/4-1/2  
2320  
Higher

VARIETY PETROL (P&G FUEL)  
317 NEW SOUTH RD  
HICKSVILLE, NY

LTANKS  
NY Spills

S102138537  
N/A

SPILLS:

Spill Number: 9007279  
Facility Contact: Not reported  
Investigator: HOFMANN  
Caller Name: BOB RASTELLI  
Caller Phone: (516) 575-7833  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: SID HARVEY  
Spiller Address: 317 NEW SOUTH ROAD  
HICKSVILLE, NY  
Spill Class: Not reported  
Spill Closed Dt: 10/09/1990  
Spill Cause: Deliberate  
Water Affected: Not reported  
Spill Notifier: Citizen  
Spill Date: 10/02/1990 07:20  
Cleanup Ceased: 10/09/1990  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 10/10/1990  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 10/04/1990  
Date Region Sent Summary to Central Office: Not reported  
Remark: CALLER WAS MAKING A DELIVERY TO LOCAL BUSINESS & WITNESSED AN EMPLOYEE I  
N BLUE SHOP COAT DUMPING INTO S.D  
DEC Remarks: 10/10/95: This is additional information about material spilled from th  
e translation of the old spill file: POSS CLEANING SOLVEN.

LTANKS:

Spill Number: 9414903  
Facility Contact: Not reported  
Investigator: ACAMPORA  
Caller Name: FM GUERIN  
Caller Phone: (516) 359-1917  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: VARIETY PETROL  
Spiller Address: 40 GRANNY ROAD  
FARMINGVILLE  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Unknown Responsible Party. Corrective action taken. (ISR)  
Spill Closed Dt: Not reported  
Spill Cause: Tank Overfill  
Water Affected: Not reported  
Spill Notifier: Fire Department

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: NCFM  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported  
Resource Affected: In Sewer  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 10/03/1990 09:57  
Resource Affected: On Land  
Spill Source: Tank Truck  
PBS Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

VARIETY PETROL (P&G FUEL) (Continued)

S102138537

Spill Date: 02/13/1995 10:00      Reported to Dept: 02/13/1995 11:00  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: False  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 02/14/1995  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 02/13/1995  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: Not reported  
Spill Cause: Not reported

30  
ESE  
1/4-1/2  
2385  
Same

AL ANDRIANO RESIDENCE  
159 12TH ST  
BETHPAGE, NY

LTANKS

S100492507  
N/A

LTANKS:

Spill Number: 9213083      Region of Spill: 1  
Facility Contact: Not reported      Facility Tele: Not reported  
Investigator: NONE      SWIS: 28  
Caller Name: LORI REUTZEL      Caller Agency: GIFFORDS  
Caller Phone: (516) 576-3000      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: AL ANDRIANO RESIDENCE  
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: 02/24/1993  
Spill Cause: Tank Failure      Resource Affected: On Land  
Water Affected: Not reported      Spill Source: Private Dwelling  
Spill Notifier: Other      PBS Number: Not reported  
Spill Date: 02/23/1993 12:15      Reported to Dept: 02/23/1993 14:24  
Cleanup Ceased: 02/24/1993  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 02/24/1993  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 02/24/1993  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 02/24/93: NO RESPONSE NEEDED.  
Spill Cause: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**31**  
**NW**  
**1/4-1/2**  
**2593**  
**Higher**

**SERVO CORP**  
**111 NEW S RD**  
**HICKSVILLE, NY 11801**

Database(s)  
 EDR ID Number  
 EPA ID Number

**CERCLIS**  
**FINDS**  
**RCRIS-LQG**  
**1000433406**  
**NYD002418911**

**CERCLIS Classification Data:**

Site Incident Category: Not reported  
 Ownership Status: Other  
 Federal Facility: Not a Federal Facility  
 NPL Status: Not on the NPL

**CERCLIS Assessment History:**

Assessment: DISCOVERY  
 Assessment: PRELIMINARY ASSESSMENT  
 Assessment: SITE INSPECTION  
 Completed: 19800410  
 Completed: 19870115  
 Completed: 19910626

**CERCLIS Site Status:**

High

**RCRIS:**

Owner: BLACKSTONE HENRY  
 (212) 555-1212  
 Contact: JOHN WILLENBROCK  
 (516) 938-9700  
 Record Date: 08/18/1980  
 Classification: Large Quantity Generator  
 Used Oil Recyc: No  
 Violation Status: Violation information exist

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

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	01/21/1992
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	01/28/1988
Compliance Evaluation Inspection (CEI)	Generator-Land Ban Requirements	01/21/1992
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	10/02/1987

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 National Compliance Database (NCDB)

**32**  
**ENE**  
**1/2-1**  
**2690**  
**Higher**

**APA TRANSPORTATION**  
**IMPERATORE DRIVE**  
**OLD BETHPAGE, NY**

**LTANKS**  
**S100149285**  
**N/A**

**LTANKS:**

Spill Number: 8708257  
 Facility Contact: Not reported  
 Investigator: GOERTZ FD  
 Caller Name: AL  
 Caller Phone: (516) 586-4900  
 Notifier Name: Not reported  
 Notifier Phone: Not reported  
 Spiller Contact: Not reported  
 Spiller: APA TRANSPORTATION  
 Spiller Address: IMPERATORE DRIVE  
 OLD BETHPAGE, NY  
 Region of Spill: 1  
 Facility Tele: Not reported  
 SWIS: 28  
 Caller Agency: F&N  
 Caller Extension: Not reported  
 Notifier Agency: Not reported  
 Notifier Extension: Not reported  
 Spiller Phone: (516) 429-2628



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

APA TRANSPORTATION (Continued)

S100149285

Spill Class: Not reported  
Spill Closed Dt: 03/02/1988  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 12/23/1987 13:30  
Cleanup Ceased: 03/02/1988  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 03/08/1999  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 12/28/1987  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: / / : MAYBE IN REMOTE FILL. WILL REPAIR. F&N TESTER. 02/22/88: AFTER  
WORLD GUIDE REPLACED ALL THE SUCTION RETURN LINES, RETESTED SYSTEM & PAS  
SED. DEC NOT PRESENT DURING RETEST.  
Spill Cause: Not reported

33  
SW  
1/2-1  
2712  
Higher

SCANNELLO RESIDENCE  
23 ALBERT RD  
HICKSVILLE, NY

LTANKS S104191793  
N/A

LTANKS:

Spill Number: 9906146  
Facility Contact: JOHN SCANNELLO  
Investigator: COSTELLO  
Caller Name: KEN SPOSITO  
Caller Phone: (516) 932-7000  
Notifier Name: JOHN SCANNELLO  
Notifier Phone: (516) 822-2396  
Spiller Contact: JOHN SCANNELLO  
Spiller: SCANNELLO RESIDENCE  
Spiller Address: 23 ALBERT ROAD  
HICKSVILLE, NY  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 09/24/1999  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Notifier: Other  
Spill Date: 08/23/1999 13:00  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 09/27/1999  
Is Updated: False  
Region of Spill: 1  
Facility Tele: (516) 822-2396  
SWIS: 28  
Caller Agency: SLOMINS OIL  
Caller Extension: Not reported  
Notifier Agency: HOME OWNER  
Notifier Extension: Not reported  
Spiller Phone: (516) 822-2396  
Resource Affected: On Land  
Spill Source: Private Dwelling  
PBS Number: Not reported  
Reported to Dept: 08/23/1999 14:46

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SCANNELLO RESIDENCE (Continued)

S104191793

Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 08/23/1999  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: TELECON MARK OF SLOMINS FROM SITE: ESTIMATES 5-8 GALS LEAKING FROM AN A/G TANK IN CRAWL SPACE. CRAWL SPACE HAS CONCRETE FLOOR, TANK HAS BEEN PUMPED OUT. TANK WILL HAVE TO BE CUT TO BE REMOVED. MAY HAVE BEGUN TO LEAK ON 8/18/99 SPILL TO CONCRETE AND SOIL, POST EXCAVATION CONFIRMATORY SAMPLES TAKEN, NO FURTHER ACTION  
Spill Cause: Not reported

H34  
NE  
1/2-1  
3110  
Higher

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT  
SOUTH OYSTER BAY ROAD  
BETHPAGE, NY 11714

CERCLIS  
FINDS 1000148518  
NY2170022162

CERCLIS Classification Data:

Site Incident Category: Not reported  
Ownership Status: Federally Owned  
Contact: ALIDA KARAS  
Contact: HELEN SHANNON  
Contact: BOB WING  
Site Description: THERE ARE POTENTIAL HAZARDOUS WASTE AREAS AT THIS SITE; SUCH AS WASTES GENERATED PERMANY FROM AIRCRAFT PRODUCTIONS. THERE ARE POTENTIAL HAZARDOUS WASTE AREAS AT THIS SITE; SUCH AS WASTES GENERATED PERMANY FROM AIRCRAFT PRODUCTIONS.

CERCLIS Assessment History:

Assessment: DISCOVERY Completed: 19870217  
Assessment: PRELIMINARY ASSESSMENT Completed: 19881229  
Assessment: SITE INSPECTION Completed: 19920930  
Assessment: HRS PACKAGE Completed: 19950523

CERCLIS Site Status:

Deferred to RCRA (Subtitle C)

H35  
NE  
1/2-1  
3110  
Higher

GRUMMAN AEROSPACE CORPORATION  
NEW SOUTH ROAD  
BETHPAGE, NY

LTANKS S102232574  
N/A

LTANKS:

Spill Number: 9511211  
Facility Contact: RON PATOC  
Investigator: ACAMPORA WELL  
Caller Name: STEVE BRANCIFORTE  
Caller Phone: (800) 964-7311  
Notifier Name: STEVE BRANCIFORTE  
Notifier Phone: (800) 964-7311  
Spiller Contact: RON PATOC  
Spiller: GRUMMAN AEROSPACE CORPORATION  
Spiller Address: NEW SOUTH ROAD  
BETHPAGE, NY 11714  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: Not reported  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Region of Spill: 1  
Facility Tele: (516) 575-7833  
SWIS: 28  
Caller Agency: NDE ENVIRONMENTAL  
Caller Extension: Not reported  
Notifier Agency: NDE ENVIRONMENTAL  
Notifier Extension: Not reported  
Spiller Phone: (516) 575-7833  
Resource Affected: On Land  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

**GRUMMAN AEROSPACE CORPORA (Continued)**

**S102232574**

Spill Date: 12/06/1995 12:25 Reported to Dept: 12/06/1995 12:25  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: False  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 01/20/1999  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 12/06/1995  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: BC TELECON FROM NDE. PRODUCT WAS NOT HOLDING IN THE STAND PIPE. BC TOLD HIM THAT PRODUCT SHOULD BE REMOVED FROM THE TANK. NDS WILL CONTACT THEIR GRUMMAN REP AND CALL ME BACK W/AN UPDATE.  
Spill Cause: Not reported

H36  
NE  
1/2-1  
3110  
Higher

**NORTHROP GRUMMAN CORP  
MAIL STOP D08-001 PLANT 3  
BETHPAGE, NY**

**LTANKS S102960097  
N/A**

**LTANKS:**

Spill Number: 9709123 Region of Spill: 1  
Facility Contact: JOHN SELVA Facility Tele: (516) 575-8176  
Investigator: PARISH SWIS: 28  
Caller Name: JOHN SELVA Caller Agency: NORTHROP GRUMMIN CORP  
Caller Phone: (516) 575-8176 Caller Extension: Not reported  
Notifier Name: JOE SUSCO Notifier Agency: NORTHROP GRUMMIN CORP  
Notifier Phone: (516) 575-8176 Notifier Extension: Not reported  
Spiller Contact: JOHN SELVA Spiller Phone: (516) 575-8176  
Spiller: NORTHROP GRUMMAN CORP  
Spiller Address: STEWART AVENUE  
BETHPAGE, NY  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: Not reported  
Spill Cause: Tank Failure Resource Affected: On Land  
Water Affected: Not reported Spill Source: Other Commercial/Industrial  
Spill Notifier: Responsible Party PBS Number: Not reported  
Spill Date: 11/05/1997 10:30 Reported to Dept: 11/05/1997 11:18  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: False  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 11/06/1997  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 11/05/1997  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: Not reported  
Spill Cause: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EPA ID Number  
EDR ID Number

H37  
NE  
1/2-1  
3117  
Higher

GRUMMAN PLANT 11  
83 LUDY ST  
HICKSVILLE, NY

LTANKS

S102669470  
N/A

LTANKS:

Spill Number: 9200757  
Facility Contact: Not reported  
Investigator: RICE  
Caller Name: JOHN OHLMANN  
Caller Phone: (516) 575-2385  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: GRUMMAN PLANT 11  
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: 11/05/1992  
Spill Cause: Tank Overfill  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Spill Date: 04/20/1992 15:30  
Cleanup Ceased: 11/05/1992  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 11/09/1992  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 04/22/1992  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 11/05/92: CONT SOIL EXCAVATED ON 4/23/92, DEC ON SITE, CLEANUP SATISFACTORY.  
Spill Cause: Not reported

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: GRUMMAN  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported  
Resource Affected: On Land  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 04/20/1992 16:02

38  
SE  
1/2-1  
3122  
Same

ISLAND TRANSPORT CORP  
SOUTH WAREHOUSE AT GRUMMA  
BETHPAGE, NY

LTANKS

S102669280  
N/A

LTANKS:

Spill Number: 9105673  
Facility Contact: Not reported  
Investigator: PARISH  
Caller Name: JOHN OHLMANN  
Caller Phone: (516) 575-2385  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: ISLAND TRANSPORT CORP  
Spiller Address: Not reported  
Spill Class: Not reported  
Spill Closed Dt: 10/03/1991  
Spill Cause: Tank Overfill

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: GRUMMAN  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported  
Resource Affected: On Land

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ISLAND TRANSPORT CORP (Continued)

S102669280

Water Affected: Not reported  
Spill Notifier: Affected Persons  
Spill Date: 08/26/1991 08:00  
Cleanup Ceased: 10/03/1991  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 10/07/1991  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 08/28/1991  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 10/03/91: TANK TEST FAILURE REPORTED AS 91-05709.  
Spill Cause: Not reported

39  
North  
1/2-1  
4257  
Higher

GRUMMAN AEROSPACE-BETHPAGE FACILITY  
STEWART AVENUE  
BETHPAGE, NY 11714

SHWS S101008267  
NY Spills N/A

SHWS:

Facility ID: 130003A  
Region: 1  
Acres: 35 Acres  
Owner: Multiple Site Owners  
Operator: Multiple Site Operators  
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.  
EPA ID: NYD002047967  
Site Type: Lagoon Landfill  
User: Grumman Aerospace Corp.  
Hazardous Waste Disposed: From 1943 To Present  
Analytical Data Available: Groundwater Soil sediment  
Applicable Standards Exceeded: Groundwater Drinking Water  
Geotechnical Information: Sand  
Depth to Groundwater: Approximately 55 feet  
Legal Action Type: State Consent Order DEE  
Remedial Action: In Progress  
Nature of Action: Groundwater pump & treat; SVE system  
Enforcement Status: Order Signed  
Hazardous Waste: Two of the municipal water supplies downgradient have been impacted and others are threatened. Treatment at these two and one other municipal supply wellfields have been paid for by Grumman and the US Navy.

Site Description:

Grumman has been operating at this facility since the early 1930's. Prior to 1949, chromium-laden wastes were disposed of in basins on site. This practice was stopped after chromium was detected in a public supply well located south of the Grumman plant. In 1976, water pumped from some of the production wells was found to contain volatile organic compounds. In 1986, the Nassau County Health Department, in conjunction with the United States Geological Survey, began an investigation of the groundwater resources in the vicinity of the Grumman plant. During this study, a groundwater plume estimated to be 1500 acres in size was studied. This plume is emanating from the site and the NWIRP-Bethpage (Site # 130003B) and the RUCO Polymer (Hooker Chemical) (Site # 130004) inactive hazardous waste disposal sites. In 1989, Grumman signed a consent order with the NYSDEC in which they agreed to conduct a Remedial Investigation/Feasibility Study (RI/FS) at

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

GRUMMAN AEROSPACE-BETHPAGE FACILITY (Continued)

S101008267

this site. The Remedial Investigation (RI) was completed in 1994. Two on-site source areas were identified. A PCE release at Plant 15 was remediated in 1996 via soil vapor extraction. A release from a TCE storage tank adjacent to Plant 2 is being remediated via soil vapor extraction. These actions were initiated as Interim Remedial Measures (IRMs). A Record of Decision (ROD) for remediating on-site source areas (Operable Unit 1) was issued by the NYSDEC in March 1995. The IRM remedies were the selected remedies for this site. A Feasibility Study (FS) for developing a remedy for the groundwater resources (Operable Unit 2) is underway. Remedial alternatives are being developed and evaluated for addressing groundwater contamination emanating from this site and the NWIRP-Bethpage site. It is anticipated that a ROD will be issued for this operable unit in 1999. A groundwater IRM has been implemented in order to provide better protection to public water supply wells located to the south of the site. A groundwater pump-and-treat system to Grumman's southern property line went on line in June 1998.

Environmental Problems:

Chromium sludge - unknown  
Paint sludge - unknown  
Metals - unknown

Health Problems:

Chlorinated solvents - unknown  
Groundwater on-site is contaminated but it is not used as a potable water supply. A groundwater pump and treat system has been implemented on-site to reduce contaminant concentrations in the groundwater. Off-site groundwater contamination has affected several public water supply wells. Water from these wells is treated to remove contaminants prior to distribution in the public water supply system. Petitions to delist or plans to close portions of the site are anticipated as changes in site use are proposed. As each petition/plan is reviewed, an exposure assessment will be conducted to ensure the protection of public health.

SPILLS:

Spill Number:	9609522	Region of Spill:	1
Facility Contact:	JOHN SELZA	Facility Tele:	(516) 575-8176
Investigator:	UNASSIGNED	SWIS:	28
Caller Name:	JOHN SELDA	Caller Agency:	NORTHROP GRUMMAN CORP
Caller Phone:	(516) 575-8176	Caller Extension:	Not reported
Notifier Name:	EMP	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	JOHN	Spiller Phone:	(516) 333-2211
Spiller:	WESTBURY PAPER STOCK CORP		
Spiller Address:	619 DICKINS STREET WESTBURY, NY		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	03/01/1999	Resource Affected:	On Land
Spill Cause:	Equipment Failure	Spill Source:	Commercial Vehicle
Water Affected:	Not reported	PBS Number:	Not reported
Spill Notifier:	Affected Persons	Reported to Dept:	10/30/1996 08:23
Spill Date:	10/30/1996 07:45		
Cleanup Ceased:	Not reported		
Last Inspection:	Not reported		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**GRUMMAN AEROSPACE-BETHPAGE FACILITY (Continued)**

**S101008267**

UST Involvement: False  
 Spill Record Last Update: 03/02/1999  
 Is Updated: False  
 Corrective Action Plan Submitted: Not reported  
 Date Spill Entered In Computer Data File: 10/30/1996  
 Date Region Sent Summary to Central Office: Not reported  
 Remarks: line on vehicle ruptured  
 DEC Remarks: CLEANUP IS COMPLETED, CREW USED A FEW BAGS OF SPEEDI DRY, CONTAINED ON A SPHALT, NO DRAINAGE AFFECTED, CLEANED P BY RP, 2 DRUMS OF SPEEDI DRI GEN ERATED

This is the most recent NY SPILLS record for this site.  
 The NY SPILLS database contains 1 additional record for this site.  
 Please contact your EDR Account Executive for more information.

40  
 SE  
 1/2-1  
 5102  
 Same

**GRUMMAN AEROSPACE CORP  
 S OYSTER BAY RD  
 BETHPAGE, NY 11714**

**PADS 1000300847  
 FINDS NYD002047967  
 RCRIS-LQG  
 RCRIS-TSD  
 CORRACTS  
 CERC-NFRAP  
 LTANKS**

**CERCLIS-NFRAP Classification Data:**

Site Incident Category: Not reported  
 Ownership Status: Other  
 Federal Facility: Not a Federal Facility  
 NPL Status: Not on the NPL

**CERCLIS-NFRAP Assessment History:**

Assessment: DISCOVERY Completed: 19791201  
 Assessment: PRELIMINARY ASSESSMENT Completed: 19800101

**CERCLIS-NFRAP Alias Name(s):**

GRUMMAN AEROSPACE  
 GRUMMAN A/C-NAVWEPS IND RESERVE PLANT  
 GRUMMAN AEROSPACE CORP

**CORRACTS Data:**

Prioritization: High  
 Status: RCRA Facility Assessment Completed, Determination of Need for a RCRA Facility Investigation, RFI Imposition, RFI Workplan Approved, RCRA Facility Investigation Approved, CMS Workplan Approved, Corrective Measure Study Approved, Corrective Measures Investigation Workplan Approved, Stabilization Measures Implemented

**RCRIS Corrective Action Summary:**

Effective Date: 10/25/1990  
 Legal Authority: RCRA 7003 or equivalent  
 Effective Date: 03/25/1992  
 Legal Authority: RCRA 3004(u) or equivalent  
 Effective Date: 05/11/1992  
 Legal Authority: RCRA 3004(u) or equivalent

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**GRUMMAN AEROSPACE CORP (Continued)**

**1000300847**

**RCRIS:**

Owner: NORTHROP GRUMMAN CORP  
 (516) 575-4680

Contact: JOHN COFMAN  
 (516) 575-4680

Record Date: 12/24/1996

Classification: Large Quantity Generator, TSDf, Hazardous Waste Transporter

**BIENNIAL REPORTS:**

Last Biennial Reporting Year: 1997

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	152775.63	D002	92205884.00
D003	1045.00	D004	120905.00
D005	31755.00	D006	756029.00
D007	97949269.00	D008	1001954.25
D009	61747.00	D010	120905.00
D011	99330.00	D016	300.00
D018	14020.25	D019	7650.00
D022	300.00	D026	975.00
D028	1600.00	D029	195024.00
D035	249924.00	D038	225.00
D039	64315.00	D040	55850.00
F001	12575.00	F002	382499.00
F003	260394.00	F004	975.00
F005	352149.00	F006	175000.00
F019	188820.00	P012	1455.00
U134	910.00	U135	10.00
U144	1455.00	U154	10265.39
U196	225.00	U223	200.00
U279	300.00		

Used Oil Recyc: No

TSDf Activities: Not reported

Violation Status: Violation information exist

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 (CEI)	TSD-Other Requirements	07/02/1999
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	02/05/1997
Compliance Evaluation Inspection (CEI)	TSD-Land Ban Requirements	02/22/1993
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	09/25/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	09/08/1989

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

GRUMMAN AEROSPACE CORP (Continued)

1000300847

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- AIRS Facility System (AIRS/AFS)
- Enforcement Docket System (DOCKET)
- Federal Facility Information System (FFIS)
- PCB Handler Activity Data System (PADS)
- Permit Compliance System (PCS)

LTANKS:

Spill Number: 8901927  
Facility Contact: Not reported  
Investigator: LEUNG FD  
Caller Name: DAN NEILEY  
Caller Phone: (516) 349-8989  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: GRUMMAN  
Spiller Address: Not reported  
Spill Class: Not reported  
Spill Closed Dt: 06/09/1989  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 05/25/1989 12:00  
Cleanup Ceased: 06/09/1989  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: True  
Spill Record Last Update: 05/07/1999  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered in Computer Data File: 05/29/1989  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 06/09/89: TANK WAS REMOVED BY GENERAL UTILITIES ON 6/9/89. 10 YDS CONT S OIL WAS EXCAVATED. SPILL CAN BE CLOSED PENDING DISPOSAL OF SOIL.  
Spill Cause: Not reported

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: GEN. UTILITIES  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported

Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 05/25/1989 14:10

Spill Number: 9100585  
Facility Contact: Not reported  
Investigator: PARISH WELL  
Caller Name: JOHN AULMAN  
Caller Phone: (516) 575-2385  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: GRUMMAN  
Spiller Address: Not reported  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: GRUMMAN  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported

Spill Closed Dt: 04/06/1998  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

GRUMMAN AEROSPACE CORP (Continued)

1000300847

Spill Notifier: Responsible Party  
Spill Date: 04/16/1991 09:00  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 04/07/1998  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 04/17/1991  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: MW'S INSTALLED AND MONITORED. NO OTHER ACTION  
Spill Cause: Not reported

PBS Number: Not reported  
Reported to Dept: 04/16/1991 09:35

Spill Number: 9304538  
Facility Contact: Not reported  
Investigator: GIBBONS  
Caller Name: JOHN SELVA  
Caller Phone: (516) 575-8176  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: GRUMMAN AERO  
Spiller Address: Not reported  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: GRUMMAN  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: Not reported

Spill Closed Dt: 07/27/1993  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Affected Persons  
Spill Date: 07/12/1993 08:00  
Cleanup Ceased: 07/27/1993  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: True  
Spill Record Last Update: 07/28/1993  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 07/15/1993  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: 07/27/93: SAME AS 93-04043.  
Spill Cause: Not reported

Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 07/12/1993 09:25

Spill Number: 9703903  
Facility Contact: Not reported  
Investigator: T/T/F  
Caller Name: TOM LAVIN  
Caller Phone: (610) 278-7203  
Notifier Name: TOM LAVIN

Region of Spill: 1  
Facility Tele: Not reported  
SWIS: 28  
Caller Agency: CROMPCO  
Caller Extension: Not reported  
Notifier Agency: CROMPCO

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

**GRUMMAN AEROSPACE CORP (Continued)**

1000300847

Notifier Phone: (610) 278-7203  
Spiller Contact: RON PATAC  
Spiller: GRUMMAN AEROSPACE  
Spiller Address: MAIL STOP D11-001  
BETHPAGE, NY 11714  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 06/02/1999  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Spill Date: 06/30/1997 16:45  
Cleanup Ceased: Not reported  
Last Inspection: Not reported  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: False  
Spill Record Last Update: 06/03/1999  
Is Updated: False  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered in Computer Data File: 06/30/1997  
Date Region Sent Summary to Central Office: Not reported  
DEC Remarks: REFERENCE SPILL # 97-03880 SOUTH TANK, TANK REMOVED 11/21/97, NCDH INSPE  
CTED, CONTAMINATED SOIL EXCAVATED, ENDPOINT SAMPLES TAKEN, NO FURTHER AC  
TION  
Spill Cause: Not reported

Notifier Extension: Not reported  
Spiller Phone: Not reported  
Resource Affected: On Land  
Spill Source: Other Commercial/Industrial  
PBS Number: Not reported  
Reported to Dept: 06/30/1997 16:56

41  
NW  
> 1  
5804  
Higher

**MARKETSPAN CORPORATION SERVICES**  
175 E OLD COUNTRY RD  
HICKSVILLE, NY 11801

PADS 1000178398  
FINDS NYD006866008  
RCRIS-LQG  
RCRIS-TSD  
CORRACTS  
CERC-NFRAP

CERCLIS-NFRAP Classification Data:  
Site Incident Category: Not reported  
Ownership Status: Unknown  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
CERCLIS-NFRAP Assessment History:  
Assessment: DISCOVERY  
Assessment: PRELIMINARY ASSESSMENT  
Completed: 19890228  
Completed: 19890331  
CERCLIS-NFRAP Alias Name(s):  
LILCO HICKSVILLE OP. CENTER  
CORRACTS Data:  
Prioritization: Low  
Status: RCRA Facility Assessment Completed  
RCRIS Corrective Action Summary:  
Effective Date: 12/31/1992  
Legal Authority: RCRA 3004(u) or equivalent

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**MARKETSPAN CORPORATION SERVICES (Continued)**

**1000178398**

**RCRIS:**

Owner: MARKETSPAN CORPORATE SERVICES  
 (516) 755-6650

Contact: ROBERT TEETZ  
 (516) 391-6133

Record Date: 08/18/1980

Classification: Large Quantity Generator, TSD, Hazardous Waste Transporter

**BIENNIAL REPORTS:**

Last Biennial Reporting Year: 1997

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	5600.00	D002	1500.00
D003	300.00	D004	0.00
D006	1072.50	D007	0.00
D008	8290.80	D009	42600.00
D010	0.00	D011	0.00
D018	4390.80	D019	400.00
D022	400.00	D027	913.50
D039	4549.80	D040	4949.80
F001	400.00	F002	3600.00
F003	5600.00	F005	2800.00

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violation information exist, high priority violator

There are 14 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Other Evaluation	Generator-All Requirements	02/07/1996
Compliance Schedule Evaluation (CSE)	TSD-Closure/Post Closure Requirements	06/07/1995
	TSD-Other Requirements	06/07/1995
Compliance Evaluation Inspection (CEI)	TSD-Closure/Post Closure Requirements	06/07/1995
	TSD-Other Requirements	06/07/1995
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	08/15/1994
	TSD-Other Requirements	08/15/1994
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	11/15/1993
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	05/18/1993
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	05/18/1993
Non-Financial Record Review	Generator-All Requirements	10/22/1988
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	08/24/1988
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	08/24/1988
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	10/21/1987
Non-Financial Record Review	Generator-All Requirements	05/18/1986
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	09/29/1986

**NY MANIFEST**

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MARKETSPAN CORPORATION SERVICES (Continued)**

Database(s)  
EDR ID Number  
EPA ID Number

**1000178398**

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- AIRS Facility System (AIRS/AFS)
- Enforcement Docket System (DOCKET)
- National Compliance Database (NCDB)
- PCB Handler Activity Data System (PADS)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
BETHPAGE	1001868376	NORTHROP GRUMMAN CORP - BETHPA	RTE 107 BROADWAY & HICKSVILLE	11714	FINDS	
BETHPAGE	U003377159	JOHN F. KENNEDY J.H.S.	BROADWAY	11714	UST	052343
BETHPAGE	1001826636	NORTHROP GRUMMAN CORP	CHERRY AVE EXTENSION 100 FT	11714	FINDS	
BETHPAGE	S103827892	OLD GRUMMAN BUILDING	GRUMMAN ROAD WEST	11714	NY Spills	9825227
BETHPAGE	1001826637	NORTHROP GRUMMAN CORP	N GRUMMAN RD	11714	FINDS	
BETHPAGE	1001961663	JAC LITHOGRAPHERS CO	198 W GRUMMAN RD	11714	RCRIS-SQG	
BETHPAGE	1001755140	GRUMMAN AEROSPACE CORPORATION	NEW SOUTH RD	11714	FINDS	9925306
BETHPAGE	S104195466	GRUMMAN PLANT 14	SOUTH OYSTER BAY ROAD	11714	NY Spills	9925291
BETHPAGE	S104194933	GRUMMAN PLANT 5	SOUTH OYSTER BAY ROAD	11714	NY Spills	9703880
BETHPAGE	S103939983	GRUMMAN AIRPORT HANGER #7	OYSTER BAY ROAD	11714	LTANKS	
BETHPAGE	U003652607	NAVAL WEAPONS IND. RES.	SOUTH OYSTER BAY RD.	11714	UST	057803
BETHPAGE	S104285033	NORTHROP GRUMMAN CORP	PLANT 25	11714	NY Spills	9925434
BETHPAGE	S102096437	ALL AMERICAN PETROLEUM	ROUND SWAMP ROAD	11714	LTANKS, NY Spills	8909144
HICKSVILLE	S103350668	RUCO POLYMER CORP. (HOOKER CHEM)	NEW SOUTH ROAD	11801	SHWS	130004
LEVITTOWN	S101008285	AMERICAN DRIVE-IN CLEANERS	3801 HEMSTEAD TURNPIKE	11756	SHWS	130049
STUART	1000698804	GRUMMAN AEROSPACE CORP #77	SR A1A 1 MI S OF STUART	11714	FINDS, RCRIS-LQG, TRIS, RCRIS-TSD, RAATS, CORRACTS	

## 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.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D016	2,4-D
D018	BENZENE
D019	CARBON TETRACHLORIDE
D022	CHLOROFORM
D026	CRESOL
D027	1,4-DICHLOROBENZENE
D028	1,2-DICHLOROETHANE

## EPA Waste Codes Addendum

Code	Description
D029	1,1-DICHLOROETHYLENE
D035	METHYL ETHYL KETONE
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, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
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.
F004	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; 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, 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.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE



## EPA Waste Codes Addendum

Code	Description
	FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F019	WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.
P012	ARSENIC OXIDE AS <sub>2</sub> O <sub>3</sub>
P012	ARSENIC TRIOXIDE
U134	HYDROFLUORIC ACID (C,T)
U134	HYDROGEN FLUORIDE (C,T)
U135	HYDROGEN SULFIDE
U135	HYDROGEN SULFIDE H <sub>2</sub> S
U144	ACETIC ACID, LEAD(2+) SALT
U144	LEAD ACETATE
U154	METHANOL (I)
U154	METHYL ALCOHOL (I)
U196	PYRIDINE
U223	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
U223	TOLUENE DIISOCYANATE (R,T)

# 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.

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

## **FEDERAL ASTM STANDARD RECORDS**

### **NPL: National Priority List**

Source: EPA  
Telephone: N/A

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).

Date of Government Version: 06/13/00  
Date Made Active at EDR: 07/06/00  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/27/00  
Elapsed ASTM days: 9  
Date of Last EDR Contact: 05/09/00

### **DELISTED NPL: NPL Deletions**

Source: EPA  
Telephone: N/A

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: 06/13/00  
Date Made Active at EDR: 07/06/00  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/27/00  
Elapsed ASTM days: 9  
Date of Last EDR Contact: 05/09/00

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

Source: EPA  
Telephone: 703-413-0223

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: 02/14/00  
Date Made Active at EDR: 03/15/00  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/02/00  
Elapsed ASTM days: 13  
Date of Last EDR Contact: 02/28/00

### **CERCLIS-NFRAP: No Further Remedial Action Planned**

Source: EPA  
Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 02/14/00  
Date Made Active at EDR: 03/15/00  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/02/00  
Elapsed ASTM days: 13  
Date of Last EDR Contact: 02/28/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 01/31/00

Date Made Active at EDR: 05/09/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/13/00

Elapsed ASTM days: 57

Date of Last EDR Contact: 06/12/00

## **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 03/28/00

Date Made Active at EDR: 05/15/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/07/00

Elapsed ASTM days: 38

Date of Last EDR Contact: 05/23/00

## **ERNS:** Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

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

Date of Government Version: 05/30/00

Date Made Active at EDR: 07/06/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/02/00

Elapsed ASTM days: 34

Date of Last EDR Contact: 05/16/00

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

### **BRS:** Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/97

Database Release Frequency: Biennially

Date of Last EDR Contact: 12/20/99

Date of Next Scheduled EDR Contact: 03/20/00

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: N/A

Database Release Frequency: Varies

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

### **ROD:** Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/31/99

Database Release Frequency: Annually

Date of Last EDR Contact: 04/10/00

Date of Next Scheduled EDR Contact: 07/10/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**FINDS:** Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA

Telephone: N/A

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: 10/13/99

Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/29/00

Date of Next Scheduled EDR Contact: 07/10/00

**HMIRS:** Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

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

Date of Government Version: 06/30/99

Database Release Frequency: Annually

Date of Last EDR Contact: 03/15/00

Date of Next Scheduled EDR Contact: 04/24/00

**MLTS:** Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/23/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/10/00

Date of Next Scheduled EDR Contact: 07/10/00

**MINES:** Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 08/01/98

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/03/00

Date of Next Scheduled EDR Contact: 07/03/00

**NPL LIENS:** Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/22/00

Date of Next Scheduled EDR Contact: 08/21/00

**PADS:** PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

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: 01/01/00

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/15/00

Date of Next Scheduled EDR Contact: 08/14/00

**RAATS:** RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/12/00

Date of Next Scheduled EDR Contact: 09/11/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**TRIS:** Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

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: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 05/15/00

Date of Next Scheduled EDR Contact: 06/26/00

**TSCA:** Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

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: 12/31/98

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 04/24/00

Date of Next Scheduled EDR Contact: 07/24/00

**STATE OF NEW YORK ASTM STANDARD RECORDS****SHWS:** Inactive Hazardous Waste Disposal Sites in New York State

Source: Department of Environmental Conservation

Telephone: 518-457-0747

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/01/99

Date Made Active at EDR: 09/16/99

Database Release Frequency: Annually

Date of Data Arrival at EDR: 07/15/99

Elapsed ASTM days: 63

Date of Last EDR Contact: 06/01/00

**LF:** Facility Register

Source: Department of Environmental Conservation

Telephone: 518-457-2051

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: 02/04/00

Date Made Active at EDR: 04/24/00

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/01/00

Elapsed ASTM days: 54

Date of Last EDR Contact: 05/08/00

**LTANKS:** Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-457-2462

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: 01/01/00

Date Made Active at EDR: 03/17/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/22/00

Elapsed ASTM days: 24

Date of Last EDR Contact: 05/02/00

**UST:** Petroleum Bulk Storage (PBS) Database

Source: Department of Environmental Conservation

Telephone: 518-457-4351

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

Date of Government Version: 04/01/00

Date Made Active at EDR: 06/14/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/18/00

Elapsed ASTM days: 27

Date of Last EDR Contact: 05/02/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**CBS UST:** Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-457-4351

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

Date of Government Version: 04/01/00

Date Made Active at EDR: 06/27/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/18/00

Elapsed ASTM days: 40

Date of Last EDR Contact: 01/31/00

**MOSF UST:** Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-457-4351

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

Date of Government Version: 04/01/00

Date Made Active at EDR: 06/27/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/18/00

Elapsed ASTM days: 40

Date of Last EDR Contact: 01/31/00

**STATE OF NEW YORK ASTM SUPPLEMENTAL RECORDS**

**HSWDS:** Hazardous Substance Waste Disposal Site Inventory

Source: Department of Environmental Conservation

Telephone: 518-457-0639

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 which U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared.

Date of Government Version: 05/17/99

Database Release Frequency: Annually

Date of Last EDR Contact: 06/08/00

Date of Next Scheduled EDR Contact: 09/04/00

**AST:** Petroleum Bulk Storage (AST)

Source: Department of Environmental Conservation

Telephone: 518-457-4351

Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/02/00

Date of Next Scheduled EDR Contact: 07/31/00

**CBS AST:** Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-457-4351

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: 04/01/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/31/00

Date of Next Scheduled EDR Contact: 05/01/00

**MOSF AST:** Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-457-4351

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

Date of Government Version: 04/01/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/31/00

Date of Next Scheduled EDR Contact: 05/01/00

**SPILLS:** Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-457-2462

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: 01/01/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/02/00

Date of Next Scheduled EDR Contact: 07/31/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **VCP: Voluntary Cleanup Agreements**

Source: Department of Environmental Conservation  
Telephone: 518-457-7894

The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 03/28/00  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/20/00  
Date of Next Scheduled EDR Contact: 09/18/00

## **LOCAL RECORDS**

### **CORTLAND COUNTY:**

#### **Cortland County UST Listing (UST)**

Source: Cortland County Health Department  
Telephone: 607-753-5035

Date of Government Version: 03/29/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/06/00  
Date of Next Scheduled EDR Contact: 09/04/00

#### **Cortland County UST Listing (AST)**

Source: Cortland County Health Department  
Telephone: 607-753-5035

Date of Government Version: 03/29/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/06/00  
Date of Next Scheduled EDR Contact: 09/04/00

### **NASSAU COUNTY:**

#### **Registered Tank Database**

Source: Nassau County Health Department  
Telephone: 516-571-3314

Date of Government Version: 03/06/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/09/00  
Date of Next Scheduled EDR Contact: 08/07/00

#### **Registered Tank Database**

Source: Nassau County Health Department  
Telephone: 516-571-3314

Date of Government Version: 03/06/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/09/00  
Date of Next Scheduled EDR Contact: 08/07/00

### **ROCKLAND COUNTY:**

#### **Petroleum Bulk Storage Database (UST)**

Source: Rockland County Health Department  
Telephone: 914-364-2605

Date of Government Version: 05/02/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/10/00  
Date of Next Scheduled EDR Contact: 07/10/00

#### **Petroleum Bulk Storage Database (AST)**

Source: Rockland County Health Department  
Telephone: 914-364-2605

Date of Government Version: 05/02/00  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/10/00  
Date of Next Scheduled EDR Contact: 07/10/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SUFFOLK COUNTY:

### Underground Storage Tank Database (UST)

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521

Date of Government Version: 03/01/99  
Database Release Frequency: Annually

Date of Last EDR Contact: 06/09/00  
Date of Next Scheduled EDR Contact: 09/04/00

### Underground Storage Tank Database (AST)

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521

Date of Government Version: 03/01/99  
Database Release Frequency: Annually

Date of Last EDR Contact: 06/09/00  
Date of Next Scheduled EDR Contact: 09/04/00

## WESTCHESTER COUNTY:

### Petroleum Bulk Storage Database

Source: Dept. of Environmental Conservation  
Telephone: 914-637-4895

Date of Government Version: N/A  
Database Release Frequency: N/A

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

### Petroleum Bulk Storage Database

Source: Dept. of Environmental Conservation  
Telephone: 914-637-4895

Date of Government Version: N/A  
Database Release Frequency: N/A

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

## EDR PROPRIETARY DATABASES

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### **Disclaimer Provided by Real Property Scan, Inc.**

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

## HISTORICAL AND 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

**Oil/Gas Pipelines/Electrical Transmission Lines:** 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 and electrical transmission lines.

**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.

**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 March 1997 from the U.S. Fish and Wildlife Service.

### **New York Facility and Manifest Data**

Source: NYSDEC

Telephone: 518-457-6585

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

NORTHROP GRUMMAN CORPORATION  
PARCEL L2  
BETHPAGE, NY 11714

### TARGET PROPERTY COORDINATES

Latitude (North):	40.752800 - 40° 45' 10.1"
Longitude (West):	73.500702 - 73° 30' 2.5"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	626568.9
UTM Y (Meters):	4512186.0

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

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. 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.

# 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.

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2440073-G5 HICKSVILLE, NY  
Source: USGS 7.5 min quad index

## GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General SE

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## HYDROLOGIC INFORMATION

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

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

## FEMA FLOOD ZONE

Target Property County  
NASSAU, NY

FEMA Q3 Flood  
Data Electronic Coverage  
YES

Flood Plain Panel at Target Property:  
Additional Panels in search area:

36059C0145F / CWNP  
36059C0165F / CWNP  
36059C0143F / CWNP  
36059C0231F / CWNP  
36059C0232F / CWNP  
36059C0251F / CWNP  
36059C0252F / CWNP

## NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
HICKSVILLE

NWI Electronic  
Coverage  
YES

## 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.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## Site-Specific Hydrogeological Data\*:

Search Radius: 2.0 miles  
Status: Not found

## AQUIFLOW™

Search Radius: 2.000 Miles.

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		

## 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

Geologic Code: Qp  
Era: Cenozoic  
System: Quaternary  
Series: Pleistocene

### GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Surface Texture: variable  
 Hydrologic Group: Not reported  
 Soil Drainage Class: Not reported  
 Corrosion Potential - Uncoated Steel: Not Reported  
 Depth to Bedrock Min: > 10 inches  
 Depth to Bedrock Max: > 10 inches

Soil Layer Information						
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)
	Upper	Lower		AASHTO Group	Unified Soil	
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00

### OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: loamy sand  
 silt loam  
 sandy loam  
 fine sandy loam

Surficial Soil Types: loamy sand  
 silt loam  
 sandy loam  
 fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: very gravelly - loamy sand  
 unweathered bedrock  
 stratified  
 sandy loam

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## WELL SEARCH DISTANCE INFORMATION

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

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	404507073301101	1/8 - 1/4 Mile WSW
A2	404517073300901	1/8 - 1/4 Mile NW
A3	404520073301401	1/4 - 1/2 Mile NW
B4	404526073301401	1/4 - 1/2 Mile NNW
B5	404526073301601	1/4 - 1/2 Mile NNW
6	404546073293701	1/2 - 1 Mile NNE
D11	404517073310101	1/2 - 1 Mile West
D12	404517073310201	1/2 - 1 Mile West
16	404539073291401	1/2 - 1 Mile NE

## **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

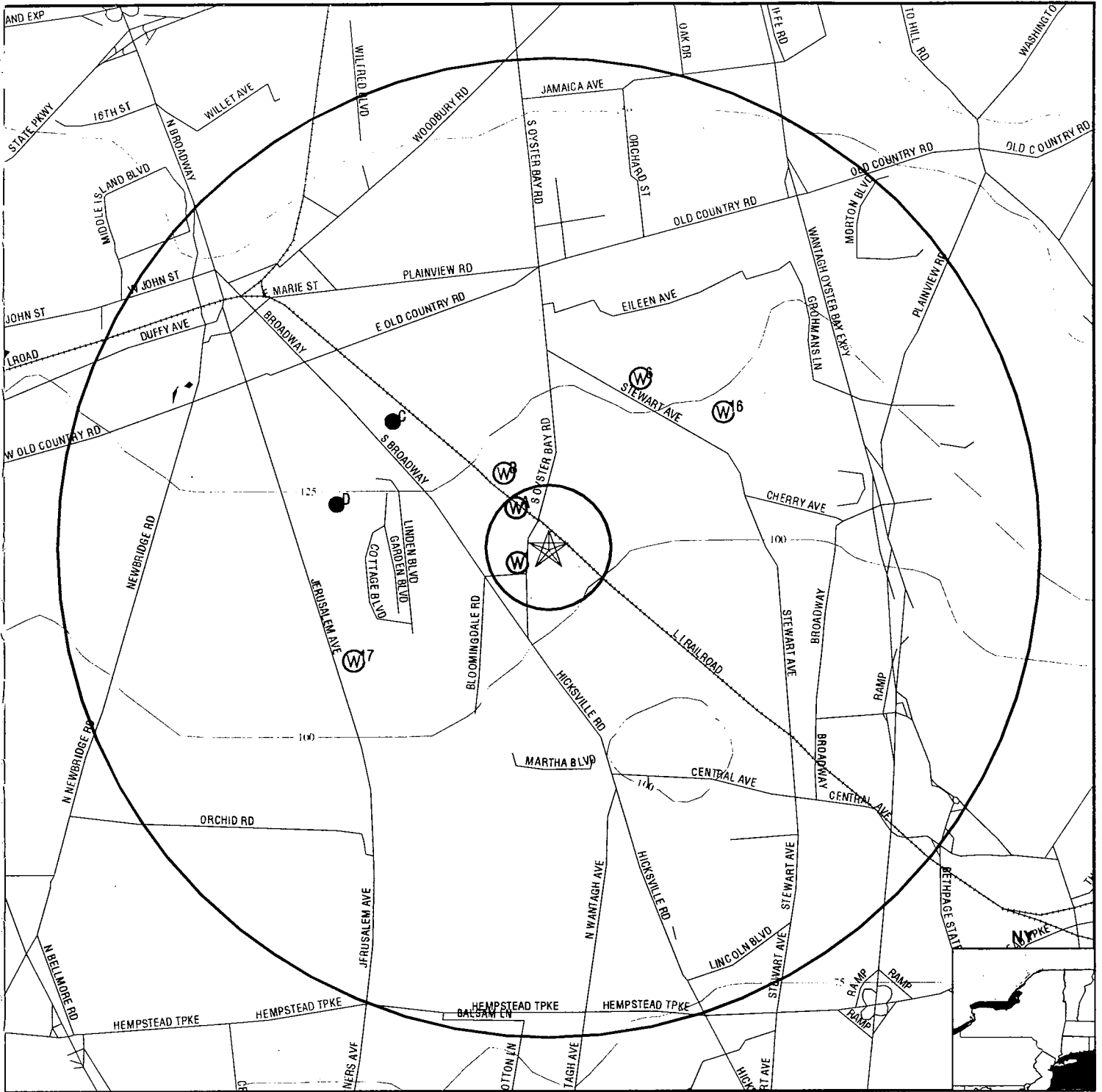
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C7	NY0002829	1/2 - 1 Mile NW

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

## **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C8	1942	1/2 - 1 Mile NW
C9	1943	1/2 - 1 Mile NW
C10	1944	1/2 - 1 Mile NW
D13	1941	1/2 - 1 Mile WNW
D14	1939	1/2 - 1 Mile WNW
D15	1940	1/2 - 1 Mile WNW
17	1931	1/2 - 1 Mile WSW

# PHYSICAL SETTING SOURCE MAP - 516803.1s



- Major Roads
- Contour Lines
- Water Wells
- Public Water Supply Wells
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Cluster of Multiple Icons

- Earthquake epicenter, Richter 5 or greater
- Closest Hydrogeological Data



<p>TARGET PROPERTY: Northrop Grumman Corporation          ADDRESS: Parcel L2          CITY/STATE/ZIP: Bethpage NY 11714          LAT/LONG: 40.7528 / 73.5007</p>	<p>CUSTOMER: Dvirka &amp; Bartilucci Cons. Eng.          CONTACT: Mark Rauber          INQUIRY #: 516803.1s          DATE: July 13, 2000 4:11 pm</p>
--	--

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

<b>1</b> <b>WSW</b> 1/8 - 1/4 Mile Higher	<b>FED USGS</b>	<b>404507073301101</b>
--	-----------------	------------------------

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1959	County:	Nassau
Altitude:	125.00 ft.	State:	New York
Well Depth:	136.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	60.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	06011959	Prim. Use of Water:	Commercial

<b>A2</b> <b>NW</b> 1/8 - 1/4 Mile Higher	<b>FED USGS</b>	<b>404517073300901</b>
--	-----------------	------------------------

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1959	County:	Nassau
Altitude:	125.00 ft.	State:	New York
Well Depth:	136.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Withdrawal of water
Date Measured:	Not Reported	Prim. Use of Water:	Commercial

<b>A3</b> <b>NW</b> 1/4 - 1/2 Mile Higher	<b>FED USGS</b>	<b>404520073301401</b>
--	-----------------	------------------------

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Nassau
Altitude:	1.00 ft.	State:	New York
Well Depth:	77.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

<b>B4</b> <b>NNW</b> 1/4 - 1/2 Mile Higher	<b>FED USGS</b>	<b>404526073301401</b>
---	-----------------	------------------------

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1955	County:	Nassau
Altitude:	130.00 ft.	State:	New York
Well Depth:	150.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	55.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	08011955	Prim. Use of Water:	Industrial



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**B5**  
**NNW**  
1/4 - 1/2 Mile  
Higher

**FED USGS      404526073301601**

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1955	County:	Nassau
Altitude:	130.00 ft.	State:	New York
Well Depth:	150.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	55.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	05011955	Prim. Use of Water:	Industrial

**6**  
**NNE**  
1/2 - 1 Mile  
Higher

**FED USGS      404546073293701**

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1986	County:	Nassau
Altitude:	1.00 ft.	State:	New York
Well Depth:	76.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Other

**C7**  
**NW**  
1/2 - 1 Mile  
Higher

**FRDS PWS      NY0002829**

PWS ID:	NY0002829	PWS Status:	Active
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	HICKSVILLE WATER DISTRICT 4 DEAN STREET HICKSVILLE, NY 11802		

Addressee / Facility:      System Owner/Responsible Party  
CUSICK GILBERT E  
4 DEAN STREET  
HICKSVILLE, NY 11801

Facility Latitude:	Not Reported	Facility Longitude:	Not Reported
City Served:	OYSTER BAY (T)	Population:	Not Reported
Treatment Class	Not Reported		

PWS currently has or had major violation(s) or enforcement:      No

**C8**  
**NW**  
1/2 - 1 Mile  
Higher

**NY WELLS      1942**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Public Water Supply #:	2902829	Source ID:	016
PW Supply Name:	HICKSVILLE WATER DISTRICT		
Source Name:	N10208 WELL #9-3		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	404537	Longitude:	-733046
Source Prod Capacity:	2304000 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	17	Watershed Sub-basin:	00
Treatment Plant ID:	021	Date of rec Last Update:	Not Reported
Water Type:	Not Reported	Record Tag:	Existing Record

**C9  
NW  
1/2 - 1 Mile  
Higher**

**NY WELLS    1943**

Public Water Supply #:	2902829	Source ID:	017
PW Supply Name:	HICKSVILLE WATER DISTRICT		
Source Name:	N 8778 WELL # 9-1		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	404537	Longitude:	-733046
Source Prod Capacity:	1872000 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	17	Watershed Sub-basin:	00
Treatment Plant ID:	021	Date of rec Last Update:	Not Reported
Water Type:	Not Reported	Record Tag:	Existing Record

**C10  
NW  
1/2 - 1 Mile  
Higher**

**NY WELLS    1944**

Public Water Supply #:	2902829	Source ID:	018
PW Supply Name:	HICKSVILLE WATER DISTRICT		
Source Name:	N 8779 WELL # 9-2		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	404537	Longitude:	-733046
Source Prod Capacity:	1872000 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	17	Watershed Sub-basin:	00
Treatment Plant ID:	021	Date of rec Last Update:	Not Reported
Water Type:	Not Reported	Record Tag:	Existing Record

**D11  
West  
1/2 - 1 Mile  
Higher**

**FED USGS    404517073310101**

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1958	County:	Nassau
Altitude:	130.00 ft.	State:	New York
Well Depth:	626.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	52.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	06011958	Prim. Use of Water:	Public supply

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**D12**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      404517073310201**

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1958	County:	Nassau
Altitude:	130.00 ft.	State:	New York
Well Depth:	629.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	52.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	06011958	Prim. Use of Water:	Public supply

**D13**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**NY WELLS      1941**

Public Water Supply #:	2902829	Source ID:	015
PW Supply Name:	HICKSVILLE WATER DISTRICT		
Source Name:	N 9180 WELL NO. 8-3		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	404521	Longitude:	-733102
Source Prod Capacity:	1987200 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	17	Watershed Sub-basin:	00
Treatment Plant ID:	021	Date of rec Last Update:	Not Reported
Water Type:	Not Reported	Record Tag:	Existing Record

**D14**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**NY WELLS      1939**

Public Water Supply #:	2902829	Source ID:	013
PW Supply Name:	HICKSVILLE WATER DISTRICT		
Source Name:	N 6192 WELL # 8-1		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	404521	Longitude:	-733102
Source Prod Capacity:	1584000 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	17	Watershed Sub-basin:	00
Treatment Plant ID:	021	Date of rec Last Update:	Not Reported
Water Type:	Not Reported	Record Tag:	Existing Record

**D15**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**NY WELLS      1940**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Public Water Supply #:	2902829	Source ID:	014
PW Supply Name:	HICKSVILLE WATER DISTRICT		
Source Name:	N 6193 WELL # 8-2		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	404521	Longitude:	-733102
Source Prod Capacity:	1584000 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	17	Watershed Sub-basin:	00
Treatment Plant ID:	021	Date of rec Last Update:	Not Reported
Water Type:	Not Reported	Record Tag:	Existing Record

**16**  
**NE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      404539073291401**

**BASIC WELL DATA**

Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	Not Reported	County:	Nassau
Altitude:	1.00 ft.	State:	New York
Well Depth:	76.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	Not Reported	Prim. Use of Site:	Observation
Date Measured:	Not Reported	Prim. Use of Water:	Not Reported

**17**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**NY WELLS      1931**

Public Water Supply #:	2902829	Source ID:	005
PW Supply Name:	HICKSVILLE WATER DISTRICT		
Source Name:	N 8525 DISTRICT NO. 3-2		
Source Description:	Groundwater		
Availability/Utilization:	Permanent Utilization	Source Type:	Source Record
Latitude:	404446	Longitude:	-733057
Source Prod Capacity:	1728000 Million Gals/Day	Fed ID of Seller:	Not Reported
Watershed Basin:	17	Watershed Sub-basin:	00
Treatment Plant ID:	021	Date of rec Last Update:	Not Reported
Water Type:	Not Reported	Record Tag:	Existing Record

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Radon Information for NASSAU County:

Number of sites tested: 561

Average (pCi/L)	Geometric Mean (pCi/L)	Geometric Std Dev.	Maximum (pCi/L)	% Homes >4 pCi/L	% Homes >20 pCi/L
1.4	1.0	2.3	11.0	4.8	0.0

Federal EPA Radon Zone for NASSAU 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.

### NASSAU COUNTY, NY

Number of sites tested: 226

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.640 pCi/L	98%	2%	0%
Basement	1.100 pCi/L	98%	2%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## 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 March 1997 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>TM</sup> 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**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the national Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

### **FEDERAL WATER WELLS**

#### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

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: 202-260-2805

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:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STATE RECORDS

### **New York Public Water Wells**

Source: New York Department of Health  
Telephone: 518-458-6731

### **New York Radon Basement Screening Results**

Source: New York Department of Health  
Telephone: 518-458-6731

### **New York Facility and Manifest Data**

Source: NYSDEC  
Telephone: 518-457-6585  
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

## RADON

**Area Radon Information:** 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:** Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## OTHER

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

**Appendix C**

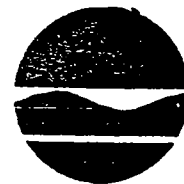
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**APPENDIX C**

**SUPPLEMENTAL INFORMATION**

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Langdon Marsh  
Commissioner

SEP 30 1994

Mr. John Ohlmann  
- Director  
Corporate Environmental Technology & Compliance  
Grumman Aerospace Corp.  
Mail Stop: D08-GHQ  
Bethpage, New York 11714-3580

Re: Petition to modify portion of  
Grumman Aerospace Corporation  
Site No. 130003A, Site 6 (Runway),  
Site 8 (Plant 12/East), and Plant 5,  
Hicksville, New York 11801

Dear Mr. Ohlmann:

Commissioner Marsh has asked me to respond to your petitions of February 23 and February 26, 1993 requesting that the boundary of the subject site be modified (portion of) to exclude Site 6 (Runway), Site 8 (Plant 12/East) and Plant 5, at Hicksville, New York in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (The Registry). These petitions were originally denied (see enclosed letter dated September 29, 1993 and the original petition letter).

A fourth delist petition dated March 12, 1993 was included in the original delisting submittal and was approved for delisting on August 13, 1994.

Upon review of additional information that you have provided in a letter dated June 23, 1994 (copy enclosed), we agree that Site 6 (Runway), and Site 8 (Plant 12/East) can, indeed, be removed from consideration as part of Site No. 130003A. This letter is official notification that the Registry database has been modified to reflect this.

I regret to inform you, however, that your request to delist the Plant 5 area is denied, without prejudice to it being resubmitted, because it is insufficient per Subsection 375-1.9 (d)(1)(i).

J. OHLMANN

OCT 4 1994

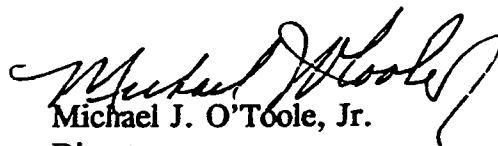
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Technology & C.

Although you have responded to the "additional information requirements" stipulated in the September 29, 1993 correspondence from our office, new water table contour information received by our office in late May of 1994 coupled with the fact that Plant 5 is upgradient of USGS monitoring well N-10598, which historically has been severely contaminated with perchlorethene (PCE) at levels up to 1100 ppb, makes it difficult to rule out Plant 5 as the source of the PCE contamination. It is highly likely that the source of the aforementioned contamination in well N-10598 is a firm other than Grumman, but there is insufficient data to rule out Plant 5 as the source.

Additionally, Figure 4 (attached to the June 23, 1994 submittal) must be revised to indicate the correct direction of groundwater flow near Plant 5. The contour maps developed by Geraghty and Miller, Inc. should be used to correct this figure.

If we may be of further assistance regarding this matter, please contact Mr. John Barnes of my staff at (518) 457-3395.

Sincerely,



Michael J. O'Toole, Jr.

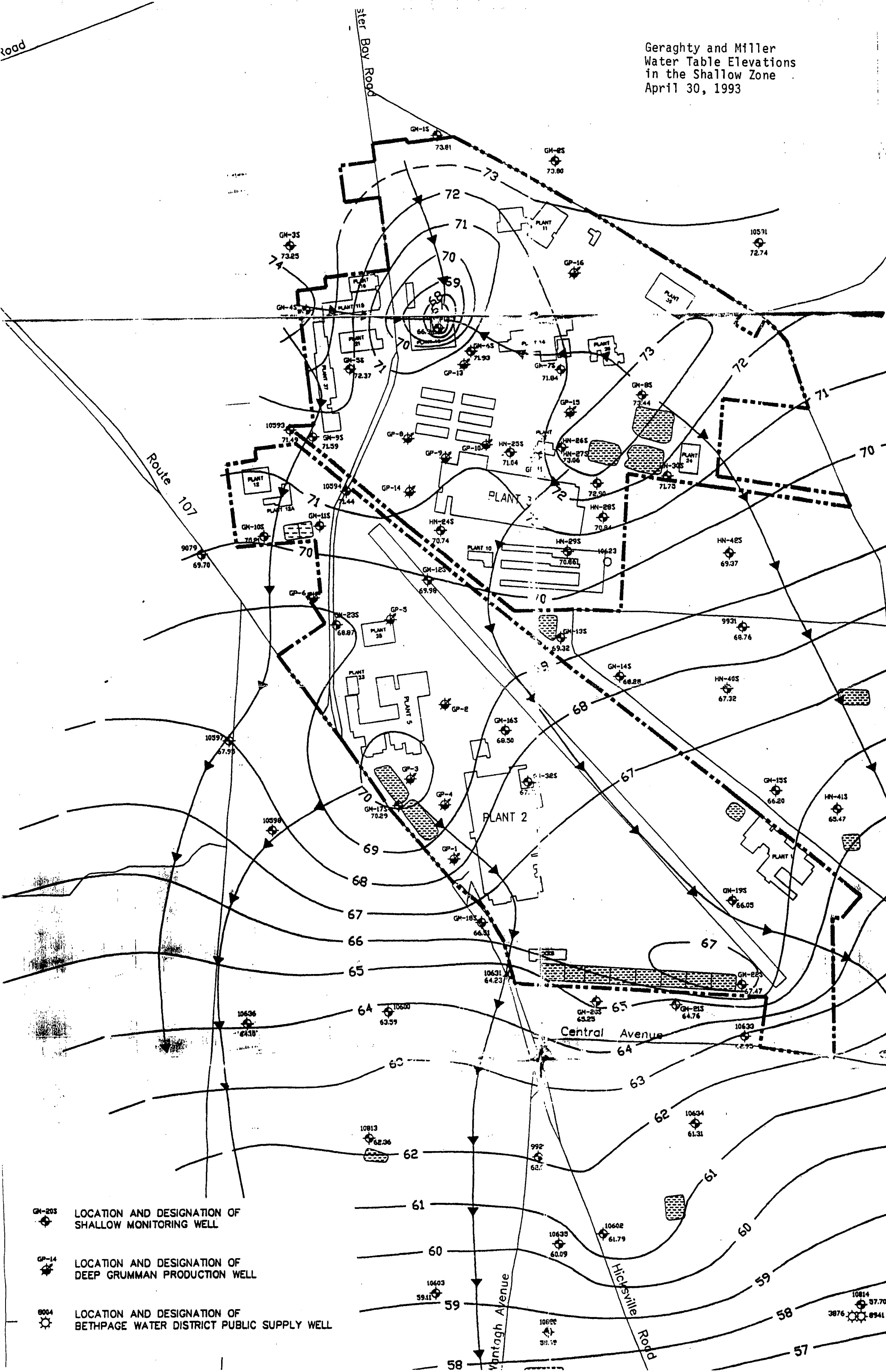
Director




Division of Hazardous Waste Remediation

Enclosure

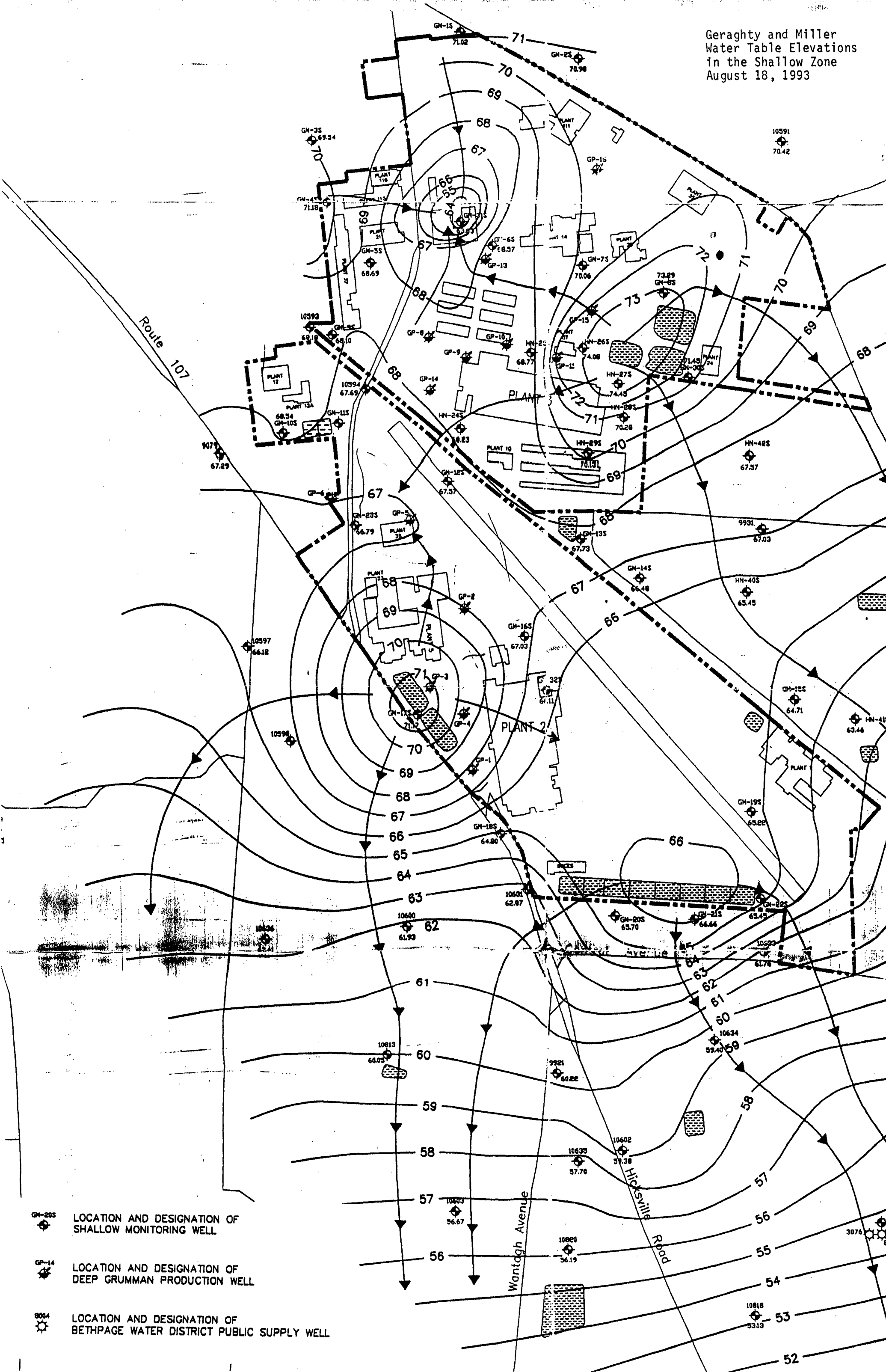
cc: Langdon Marsh




Geraghty and Miller  
 Water Table Elevations  
 in the Shallow Zone  
 April 30, 1993



- 
 GN-203 LOCATION AND DESIGNATION OF SHALLOW MONITORING WELL
- 
 GP-14 LOCATION AND DESIGNATION OF DEEP GRUMMAN PRODUCTION WELL
- 
 8004 LOCATION AND DESIGNATION OF BETHPAGE WATER DISTRICT PUBLIC SUPPLY WELL

Geraghty and Miller  
Water Table Elevations  
in the Shallow Zone  
August 18, 1993



- 
 LOCATION AND DESIGNATION OF SHALLOW MONITORING WELL
- 
 LOCATION AND DESIGNATION OF DEEP GRUMMAN PRODUCTION WELL
- 
 LOCATION AND DESIGNATION OF BETHPAGE WATER DISTRICT PUBLIC SUPPLY WELL

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**APPENDIX D**

**REFERENCES**

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## REFERENCES

Dvirka and Bartilucci Consulting Engineers, New York State Site Registry Delisting Petition Site 6 (Runway), Hicksville, New York, February 1993.

Dvirka and Bartilucci Consulting Engineers, Phase I Site Assessment – North Runway – April 1996.

Dvirka and Bartilucci consulting Engineers, Phase II Site Assessment – North Runway – Parcel L2, March 1997.

EDR – Environmental Data Resources, Inc., Report ID 516803.1s, July 13, 2000.

ERM – Northeast, Phase I Environmental Assessment – Parcel L2, November 1996.

Geraghty and Miller, Remedial Investigation Report, Grumman Aerospace Corporation, Bethpage, New York, September 1994.

LKB Aerial Photographs: April 11, 1950; January 20, 1955; January 24, 1957; March 23, 1962; April 11, 1969; April 18, 1972; and March 8, 1988.

NYSDEC, Grumman Aerospace - Bethpage Facility Inactive Hazardous Waste Site #130003A, Bethpage, Nassau County Fact Sheet, October 1994.

United States Department of Agriculture, Soil Conservation Service, Soil Survey of Nassau County, New York, February 1987.