

Appendix K

Hazardous Materials Documentation

Hudson Valley Regional Airport
263 New Hackensack Road
Poughkeepsie, NY 12603

Inquiry Number: 06409236.2r
March 17, 2021

The EDR Radius Map™ Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

FORM-LBF-PXM

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	47
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

263 NEW HACKENSACK ROAD
POUGHKEEPSIE, NY 12603

COORDINATES

Latitude (North): 41.6274340 - 41° 37' 38.76"
Longitude (West): 73.8836720 - 73° 53' 1.21"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 592992.2
UTM Y (Meters): 4608801.0
Elevation: 153 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5939321 POUGHKEEPSIE, NY
Version Date:	2013
Northeast Map:	5939319 PLEASANT VALLEY, NY
Version Date:	2013
Southeast Map:	5939745 HOPEWELL JUNCTION, NY
Version Date:	2013
Southwest Map:	5939329 WAPPINGERS FALLS, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
 263 NEW HACKENSACK ROAD
 POUGHKEEPSIE, NY 12590

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	DUTCHESS COUNTY AIRP	263 NEW HACKENSACK R	LTANKS, TANKS, NY Spills, MANIFEST		TP
A2	DUTCHESS COUNTY AIRP	263 NEW HACKENSACK R	NY Spills		TP
A3	DUTCHESS COUNTY COMM	263 NEW HACKENSACK R	SPDES		TP
A4	OBSTRUCTION REMOVAL	263 NEW HACKENSACK R	SPDES		TP
A5	HUDSON VALLEY REGION	263 NEW HACKENSACK R	FINDS, ECHO		TP
A6	DUTCHESS CO. AIRPORT	263 NEW HACKENSACK R	SPDES		TP
A7	DUTCHESS CO AIRPORT	263 NEW HACKENSACK R	NY Spills		TP
A8		263 NEW HACKENSACK R	ERNS		TP
A9	DUTCHESS COUNTY AIRP	263 NEW HACKENSACK R	SPDES		TP
A10	REALIGN TAXIWAY A	263 NEW HACKENSACK R	SPDES		TP
11	NEW HACKENSACK AUX #		FUDS	Higher	704, 0.133, ENE
12	DUTCHESS COUNTY AIRP	ROUTE 376	SHWS	Lower	1161, 0.220, South
13	DUTCHESS CO.AIRPORT	IBM HANGER	LTANKS	Lower	1274, 0.241, West
B14	D.C. AIR PORT	NEW HACKENSACK ROAD	LTANKS	Higher	1391, 0.263, SSE
B15	DUTCHESS CO AIRPORT	ROUTE 376	LTANKS	Higher	1391, 0.263, SSE
16	SUN UP PROPERTIES	238-242 NEW HACKENSA	SWF/LF	Lower	1564, 0.296, SSW
17	DUTCHESS COUNTY AIRP	18 GRIFFITH WAY	SHWS	Higher	1802, 0.341, East
18	DUTCHESS COUNTY AIRP	AIRPORT PARK	SHWS	Lower	1852, 0.351, WNW
19	FLAGSHIP AIRLINES HA	DUTCHESS COUNTY AIRP	SHWS	Higher	1954, 0.370, ESE
C20	DUTCHESS COUNTY AIRP	ROUTE 376	DEL SHWS	Lower	2053, 0.389, NE
C21	DUTCHESS COUNTY AIRP	U	HSWDS	Lower	2053, 0.389, NE
22	WORONOCK INN	1643 RT 376	LTANKS	Higher	2143, 0.406, East
23	DUTCHESS COUNTY AIRP	U	HSWDS	Lower	2189, 0.415, West
24	AUTOBAHN CAF,	299 NEW HACKENSACK R	LTANKS	Higher	2525, 0.478, ESE
25	CRANNER RESIDENCE	353 NEW HACKENSACK R	LTANKS	Higher	2637, 0.499, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DUTCHESS COUNTY AIRP 263 NEW HACKENSACK R WAPPINGERS FALLS, NY 12590	<p>LTANKS Spill Number/Closed Date: 8911632 / 1990-09-25 Site ID: 152117 Spill Date: 1990-03-01</p> <p>TANKS Database: TANKS, Date of Government Version: 12/17/2020 Facility Id: 3-029548 Site Status: Active</p> <p>NY Spills Spill Number/Closed Date: 1103516 / 2011-06-29 Spill Number/Closed Date: 0204811 / 2002-08-21 Spill Number/Closed Date: 0807109 / 2008-09-24 Spill Number/Closed Date: 8905158 / 1989-08-24 Site ID: 451081 Site ID: 307851 Site ID: 404431 Site ID: 152116 Spill Date: 2011-06-28 Spill Date: 2002-08-06 Spill Date: 2008-09-22 Spill Date: 1989-08-18</p> <p>MANIFEST EPA ID: NYD002420826</p>	N/A
DUTCHESS COUNTY AIRP 263 NEW HACKENSACK R WAPPINGER FALLS, NY 12590	<p>NY Spills Spill Number/Closed Date: 1304792 / 2016-03-17 Site ID: 485335 Spill Date: 2013-07-31</p>	N/A
DUTCHESS COUNTY COMM 263 NEW HACKENSACK R WAPPINGER, NY 12590	<p>SPDES Permit Number: NYR11F725</p>	N/A
OBSTRUCTION REMOVAL 263 NEW HACKENSACK R WAPPINGERS FALLS, NY 12590	<p>SPDES Permit Number: NYR10L599</p>	N/A
HUDSON VALLEY REGION 263 NEW HACKENSACK R WAPPINGERS FALLS, NY 12590	<p>FINDS Registry ID:: 110019223062</p> <p>ECHO</p>	N/A

EXECUTIVE SUMMARY

Registry ID: 110019223062

DUTCHESS CO. AIRPORT
263 NEW HACKENSACK R
WAPPINGERS FALLS, NY 12590

SPDES
Permit Number: NYR10G871

N/A

DUTCHESS CO AIRPORT
263 NEW HACKENSACK R
POUGHKEEPSIE, NY

NY Spills
Spill Number/Closed Date: 0410782 / 2005-01-04
Site ID: 335825
Spill Date: 2005-01-01

N/A

263 NEW HACKENSACK R
263 NEW HACKENSACK R
WAPPINGERS FALLS, NY 12590

ERNS
NRC Report #: 11684
Incident Date Time: 1990-03-01 12:00:00

N/A

DUTCHESS COUNTY AIRP
263 NEW HACKENSACK R
WAPPINGER, NY 12590

SPDES
Permit Number: NYR11D988

N/A

REALIGN TAXIWAY A
263 NEW HACKENSACK R
WAPPINGER, NY 12590

SPDES
Permit Number: NYR10Z439

N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
HIST LTANKS..... Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Petroleum Bulk Storage (PBS) Database
CBS UST..... Chemical Bulk Storage Database
MOSF UST..... Major Oil Storage Facilities Database
MOSF..... Major Oil Storage Facility Site Listing
CBS..... Chemical Bulk Storage Site Listing
AST..... Petroleum Bulk Storage
CBS AST..... Chemical Bulk Storage Database
MOSF AST..... Major Oil Storage Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

RES DECL..... Restrictive Declarations Listing
ENG CONTROLS..... Registry of Engineering Controls
INST CONTROL..... Registry of Institutional Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Agreements

EXECUTIVE SUMMARY

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List

ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Registered Recycling Facility List

SWTIRE..... Registered Waste Tire Storage & Facility List

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

US CDL..... National Clandestine Laboratory Register

PFAS..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

HIST UST..... Historical Petroleum Bulk Storage Database

HIST AST..... Historical Petroleum Bulk Storage Database

Local Land Records

LIENS..... Spill Liens Information

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

NY Hist Spills..... SPILLS Database

SPILLS 90..... SPILLS 90 data from FirstSearch

SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated

DOD..... Department of Defense Sites

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION..... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

EXECUTIVE SUMMARY

TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Air Emissions Data
COAL ASH.....	Coal Ash Disposal Site Listing
DRYCLEANERS.....	Registered Drycleaners
E DESIGNATION.....	E DESIGNATION SITE LISTING
Financial Assurance.....	Financial Assurance Information Listing
VAPOR REOPENED.....	Vapor Intrusion Legacy Site List
UIC.....	Underground Injection Control Wells
COOLING TOWERS.....	Registered Cooling Towers
MINES MRDS.....	Mineral Resources Data System
LEAD.....	Lead-based Paint Testing Results

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

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, and dated 11/09/2020 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DUTCHESS COUNTY AIRP Site Code: 558889	18 GRIFFITH WAY	E 1/4 - 1/2 (0.341 mi.)	17	32
FLAGSHIP AIRLINES HA Site Code: 55995	DUTCHESS COUNTY AIRP	ESE 1/4 - 1/2 (0.370 mi.)	19	35
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DUTCHESS COUNTY AIRP Site Code: 55954	ROUTE 376	S 1/8 - 1/4 (0.220 mi.)	12	26
DUTCHESS COUNTY AIRP Site Code: 58297	AIRPORT PARK	WNW 1/4 - 1/2 (0.351 mi.)	18	33

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the SWF/LF list, as provided by EDR, and dated 09/30/2020 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN UP PROPERTIES	238-242 NEW HACKENSA	SSW 1/4 - 1/2 (0.296 mi.)	16	31

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

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 11/09/2020 has revealed that there are 6 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
D.C. AIR PORT Spill Number/Closed Date: 9900257 / 2002-11-06 Site ID: 113316 Spill Date: 1999-04-06	NEW HACKENSACK ROAD	SSE 1/4 - 1/2 (0.263 mi.)	B14	29
DUTCHESS CO AIRPORT Spill Number/Closed Date: 9603856 / 1997-07-08 Site ID: 109323 Spill Date: 1996-06-20	ROUTE 376	SSE 1/4 - 1/2 (0.263 mi.)	B15	30
WORONOCK INN Spill Number/Closed Date: 0502283 / 2005-06-20 Site ID: 346615 Spill Date: 2005-05-26	1643 RT 376	E 1/4 - 1/2 (0.406 mi.)	22	42
AUTOBAHN CAF, Spill Number/Closed Date: 0204566 / 2003-01-16 Site ID: 296148 Spill Date: 2002-07-30	299 NEW HACKENSACK R	ESE 1/4 - 1/2 (0.478 mi.)	24	44
CRANNER RESIDENCE Spill Number/Closed Date: 9100255 / 1991-04-05 Site ID: 164374 Spill Date: 1991-04-05	353 NEW HACKENSACK R	ESE 1/4 - 1/2 (0.499 mi.)	25	46

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DUTCHESS CO.AIRPORT Spill Number/Closed Date: 8807007 / 1988-11-28 Site ID: 312498 Spill Date: 1988-11-22	IBM HANGER	W 1/8 - 1/4 (0.241 mi.)	13	28

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the DEL SHWS list, as provided by EDR, and dated 11/09/2020 has revealed that there is 1 DEL SHWS site within approximately 1 mile of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DUTCHESS COUNTY AIRP Site Code Id: 314022	ROUTE 376	NE 1/4 - 1/2 (0.389 mi.)	C20	38

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 09/29/2020 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEW HACKENSACK AUX #		ENE 1/8 - 1/4 (0.133 mi.)	11	26

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

A review of the HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there are 2 HSWDS sites within approximately 0.5 miles of the target property.

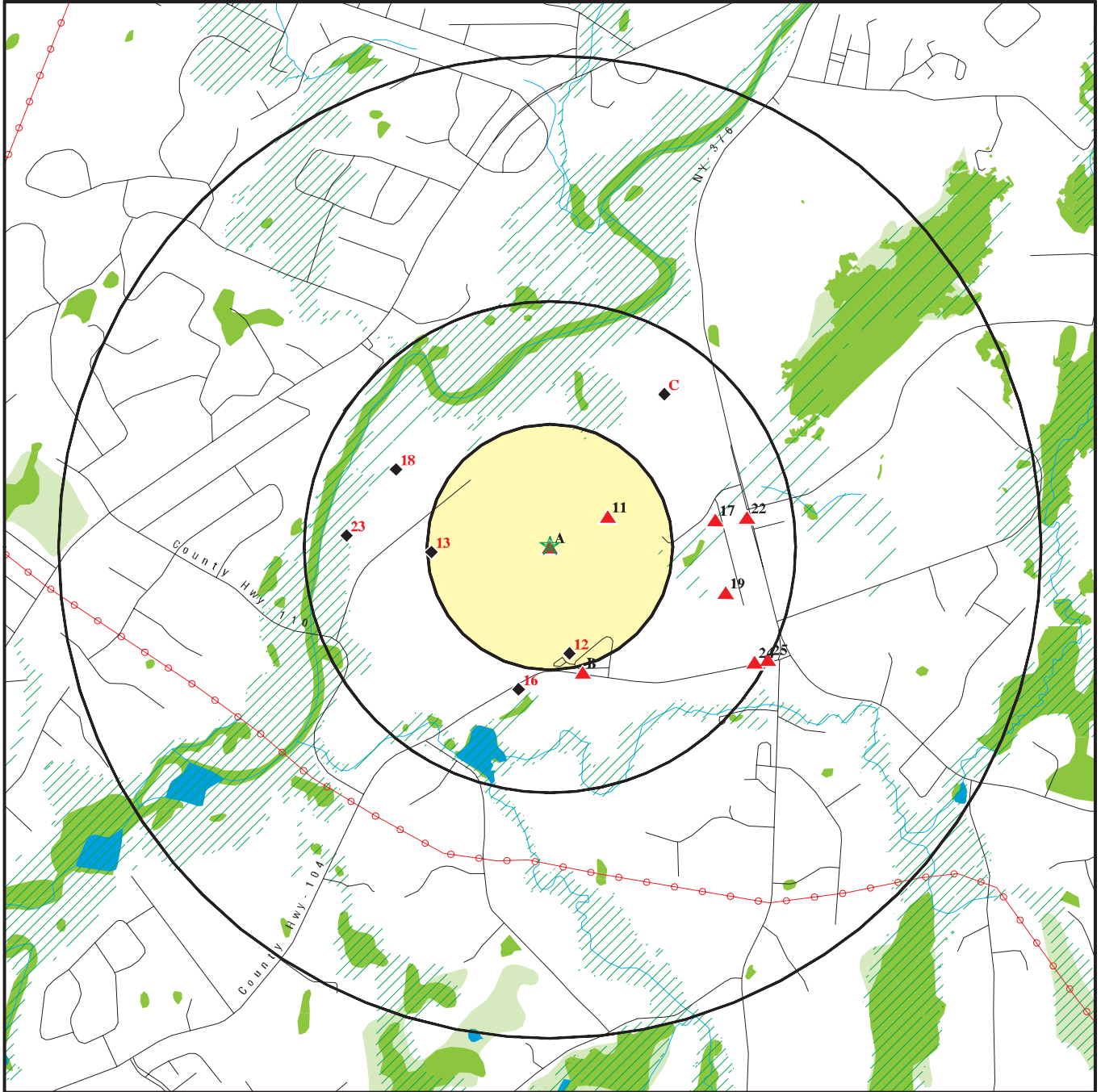
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DUTCHESS COUNTY AIRP	U	NE 1/4 - 1/2 (0.389 mi.)	C21	40
DUTCHESS COUNTY AIRP	U	W 1/4 - 1/2 (0.415 mi.)	23	43

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

<u>Site Name</u>	<u>Database(s)</u>
VASSAR COLLEGE	SHWS
DUTCHESS AIRPORT LF	SEMS-ARCHIVE
DUTCHESS COUNTY AIRPORT BALEFILL	SEMS-ARCHIVE
DUTCHESS COUNTY BALEFILL	SWF/LF
GLENN EAGLE REST HOME	LTANKS

OVERVIEW MAP - 06409236.2R

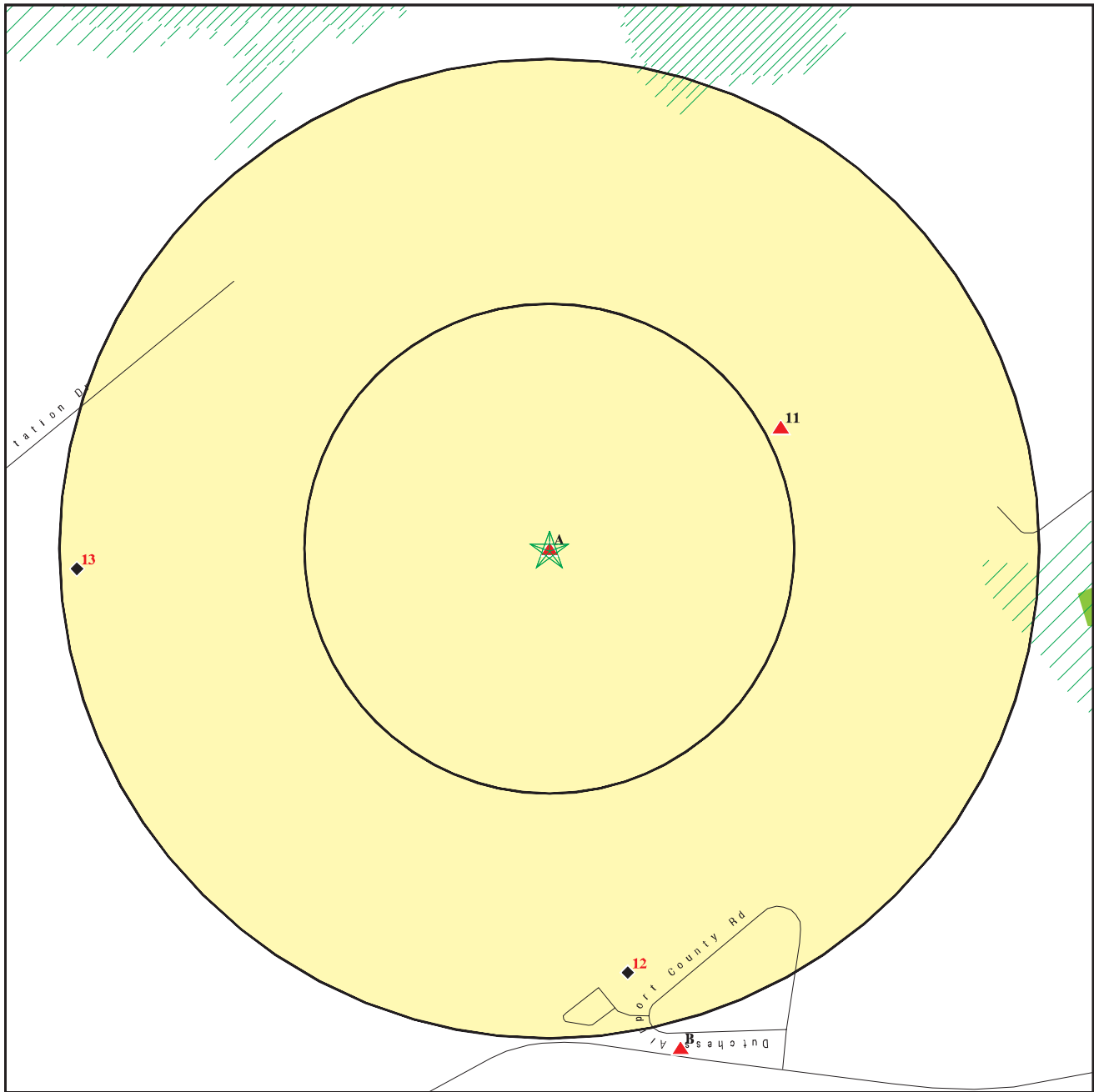


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites
- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ▨ Special Flood Hazard Area (1%)
- ▨ 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

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

<p>SITE NAME: Hudson Valley Regional Airport ADDRESS: 263 New Hackensack Road Poughkeepsie NY 12603 LAT/LONG: 41.627434 / 73.883672</p>	<p>CLIENT: C & S Engineers, Inc. CONTACT: Matthew L. Walker INQUIRY #: 06409236.2r DATE: March 17, 2021 1:56 pm</p>
---	--

DETAIL MAP - 06409236.2R



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites
- ▨ Indian Reservations BIA
- ▨ Special Flood Hazard Area (1%)
- ▨ 0.2% Annual Chance Flood Hazard
- ▨ National Wetland Inventory
- ▨ State Wetlands

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

<p>SITE NAME: Hudson Valley Regional Airport ADDRESS: 263 New Hackensack Road Poughkeepsie NY 12603 LAT/LONG: 41.627434 / 73.883672</p>	<p>CLIENT: C & S Engineers, Inc. CONTACT: Matthew L. Walker INQUIRY #: 06409236.2r DATE: March 17, 2021 1:59 pm</p>
---	--

Copyright © 2021 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP	1	NR	NR	NR	NR	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	1	3	0	NR	4
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	1	NR	NR	1
<i>State and tribal leaking storage tank lists</i>								
INDIAN LUST	0.500		0	0	0	NR	NR	0
LTANKS	0.500	1	0	1	5	NR	NR	7
HIST LTANKS	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
CBS UST	0.250		0	0	NR	NR	NR	0
MOSF UST	0.500		0	0	0	NR	NR	0
MOSF	0.500		0	0	0	NR	NR	0
CBS	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
CBS AST	0.250		0	0	NR	NR	NR	0
MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
TANKS	0.250	1	0	0	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
RES DECL	0.125		0	NR	NR	NR	NR	0
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
DEL SHWS	1.000		0	0	1	0	NR	1
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
HIST UST	0.250		0	0	NR	NR	NR	0
HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	3	0	NR	NR	NR	NR	3
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
SPILLS 90	0.125		0	NR	NR	NR	NR	0
SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	1	0	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
E DESIGNATION	0.125		0	NR	NR	NR	NR	0



STATE OF NEW YORK
DEPARTMENT OF HEALTH

1/16/92

Corning Tower The Governor Nelson A. Rockefeller Empire State Plaza Albany, New York 12237

Lorna McBarnette
Executive Deputy Commissioner

OFFICE OF PUBLIC HEALTH
Sue Kelly
Executive Deputy Director

January 15, 1992

Mr. Earl Barcomb
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation
NYS Dept. of Environmental Conservation
50 Wolf Road
Albany, NY 12233

RE: Reclassification Packages for
Dutchess County Airport Landfill
(#314023) and Dutchess County
Airport Balefill (#314023)

Dear Mr. Barcomb:

My staff have reviewed the reclassification packages for the Dutchess County Airport Landfill, #314022, and the Dutchess County Airport Balefill, #314023. We concur with the proposals to delist both sites with referral of both sites to the Division of Solid Waste for proper closure of the landfills under Part 360. Of particular concern is the need to properly cap both sites to minimize the production of leachate and the impact on ground and surface waters.

If you have any questions regarding this matter please feel free to call me or Mr. Steven Bates of my staff at (518) 458-6310.

Sincerely,

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure
Investigation

lk/20140953

cc: Dr. N. Kim
Mr. S. Bates
Mr. L. Wilson
Mr. M. O'Toole
Mr. R. Pergadia - DEC Reg. 3
Mr. R. Dana - DEE



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION

Original - DEEC
Copy - REGION
Copy - DEE
Copy - DOH
Copy - PREPARER

**ADDITIONS/CHANGES TO REGISTRY
OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES**

1. SITE NAME Dutchess Co. Airport Landfill		2. SITE NO. 314022		3. TOWN Wappinger		4. COUNTY Dutchess	
5. REGION 3		6. CLASSIFICATION Current <u>2a</u> / Proposed <u>01</u>		7. ACTIVITY <input type="checkbox"/> Add <input type="checkbox"/> Reclassify <input checked="" type="checkbox"/> Delist <input type="checkbox"/> Modify			
8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location). The site is north of the Dutchess County Airport, about 100 to 200 feet south of Wappinger Creek. It is located in the Town of Wappinger, just south of the Town of Poughkeepsie.							
b. Quadrangle <u>Poughkeepsie</u>		c. Site Latitude <u>41°37'55"</u>		Longitude <u>73°52'45"</u>		d. Tax Map Number _____	
8a. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations). The site was a municipal landfill serving the City of Poughkeepsie, and the Towns of Poughkeepsie, Wappinger, and LaGrange from 1968 to 1972. A spray irrigation system which recirculates leachate exists but is in a state of disrepair, and leachate has been observed entering Wappinger Creek. As part of a Phase II Investigation, three monitoring wells were installed and surface water, sediments, leachate, and groundwater were sampled.							
b. Area <u>60</u> acres		c. EPA ID Number <u>NYD980508196</u>		d. PA/SI <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
e. Completed: <input checked="" type="checkbox"/> Phase I <input checked="" type="checkbox"/> Phase II <input type="checkbox"/> PSA <input type="checkbox"/> Sampling							
10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE This landfill accepted primarily municipal waste with smaller amounts of commercial and industrial wastes. No records exist confirming hazardous waste disposal. Sampling results from the Phase II are not indicative of hazardous waste disposal at this site.							
11a. SUMMARIZED SAMPLING DATA ATTACHED <input type="checkbox"/> Air <input checked="" type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Surface Water <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Waste <input type="checkbox"/> EP Tox <input type="checkbox"/> TCLP							
b. List contravened parameters and values Several parameters contravened groundwater and surface water standards, however, the levels are similar in upgradient and downgradient samples. The results also are not indicative of hazardous waste disposal. See attached data. Most of the tentatively identified organic compounds appear to be a result of the nearby airport activity.							
12. SITE IMPACT DATA							
a. Nearest surface water. Distance <u>100</u> ft		Direction <u>North</u>		Classification <u>Class B</u>			
b. Nearest groundwater. Depth <u>2</u> ft.		Flow Direction <u>North</u>		<input type="checkbox"/> Sole Source <input type="checkbox"/> Primary <input type="checkbox"/> Principal			
c. Nearest water supply. Distance <u>700</u> ft		Direction <u>Southwest</u>		Active <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
d. Nearest building. Distance <u>700</u> ft		Direction <u>Southwest</u>		Use <u>Commercial</u>			
e. Crops or livestock on site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		f. Exposed hazardous waste? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		j. Within a State Economic Development Zone? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
g. Controlled site access? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		h. Documented fish or wildlife mortality? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		k. For Class 2a: Code _____ Health Mode: Score _____			
i. Impact on special status fish or wildlife resource? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		m. HRS Score _____		l. For Class 2: Priority Category _____			
				n. Significant Threat <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown			
13. SITE OWNER'S NAME Dutchess County			14. ADDRESS 22 Market Street, Poughkeepsie, NY 12601			15. TELEPHONE NUMBER ()	
16. PREPARER Lawrence J. Alden Environmental Engineer 2 NYSDEC Name, Title and Organization 2/14/91 Date <i>Lawrence Alden</i> Signature							
17. APPROVED <i>Richard H. Dana</i> Chief, Bureau of Technical Services, DEE Name, Title and Organization 3/1/91 Date <i>Richard H. Dana</i> Signature							

SITE CODE: 314022

ANALYTICAL DATA AVAILABLE:

Air- Surface Water-X Groundwater-X Soil- Sediment-X

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:

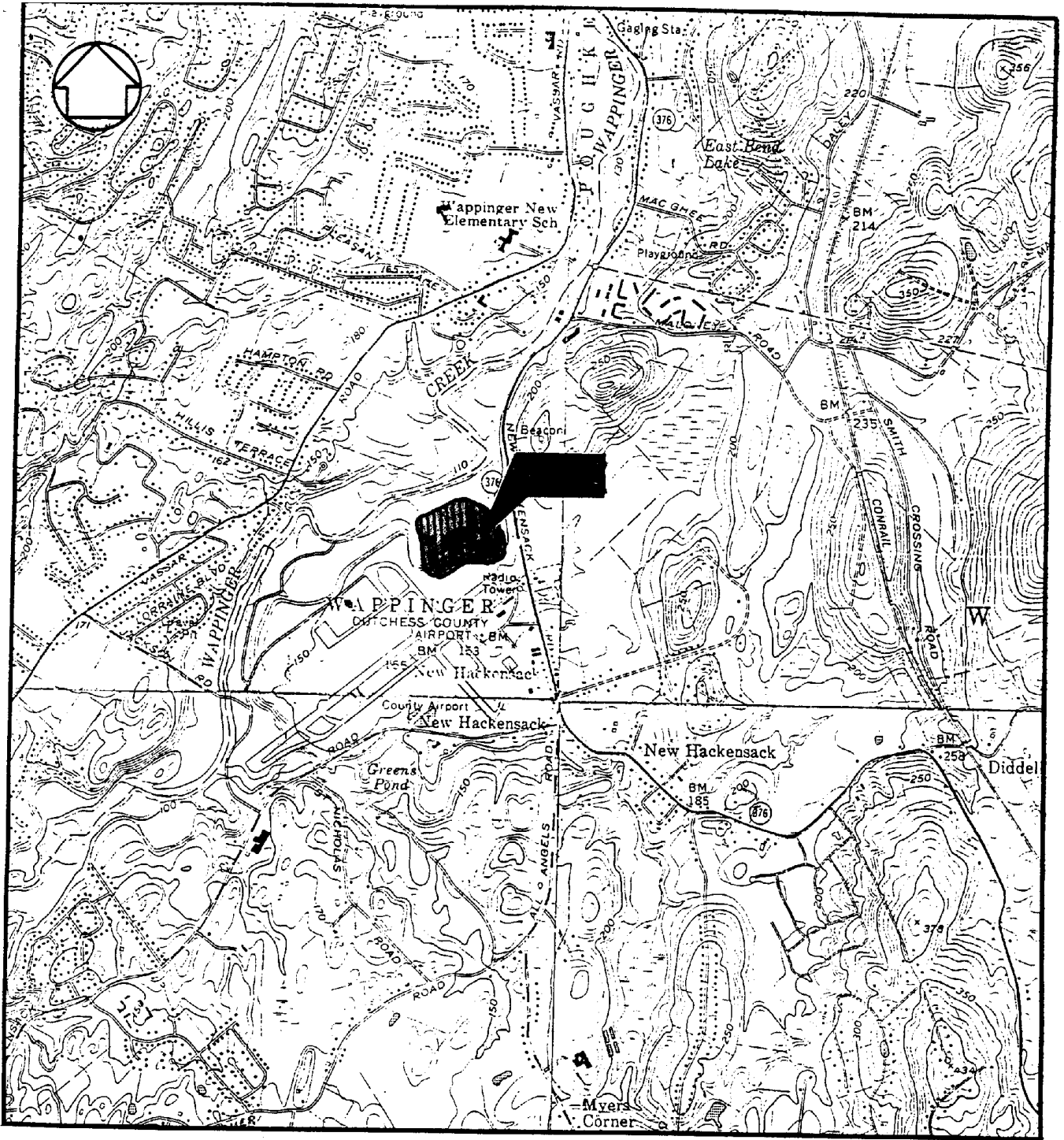
SOIL TYPE:

GROUNDWATER DEPTH: approx. 2 ft.

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Samples collected during the Phase II did not indicate a release of hazardous constituents, however, there is an uncontrolled leachate flow on the north side of the landfill, but was found not to contain any hazardous constituents.

ASSESSMENT OF HEALTH PROBLEMS:



TOPOGRAPHY TAKEN FROM
PLEASANT VALLEY, N.Y. 1957
(PHOTO REVISED 1981)
HOPEWELL JUNCTION, N.Y. 1957
(PHOTO REVISED 1981)
WAPPINGERS FALLS, N.Y. 1956
(PHOTO REVISED 1981)
POUGHKEEPSIE, N.Y. 1957
(PHOTO REVISED 1982)
U.S.G.S. QUADRANGLE
7.5 MIN. SERIES

SCALE: 1"=2000'



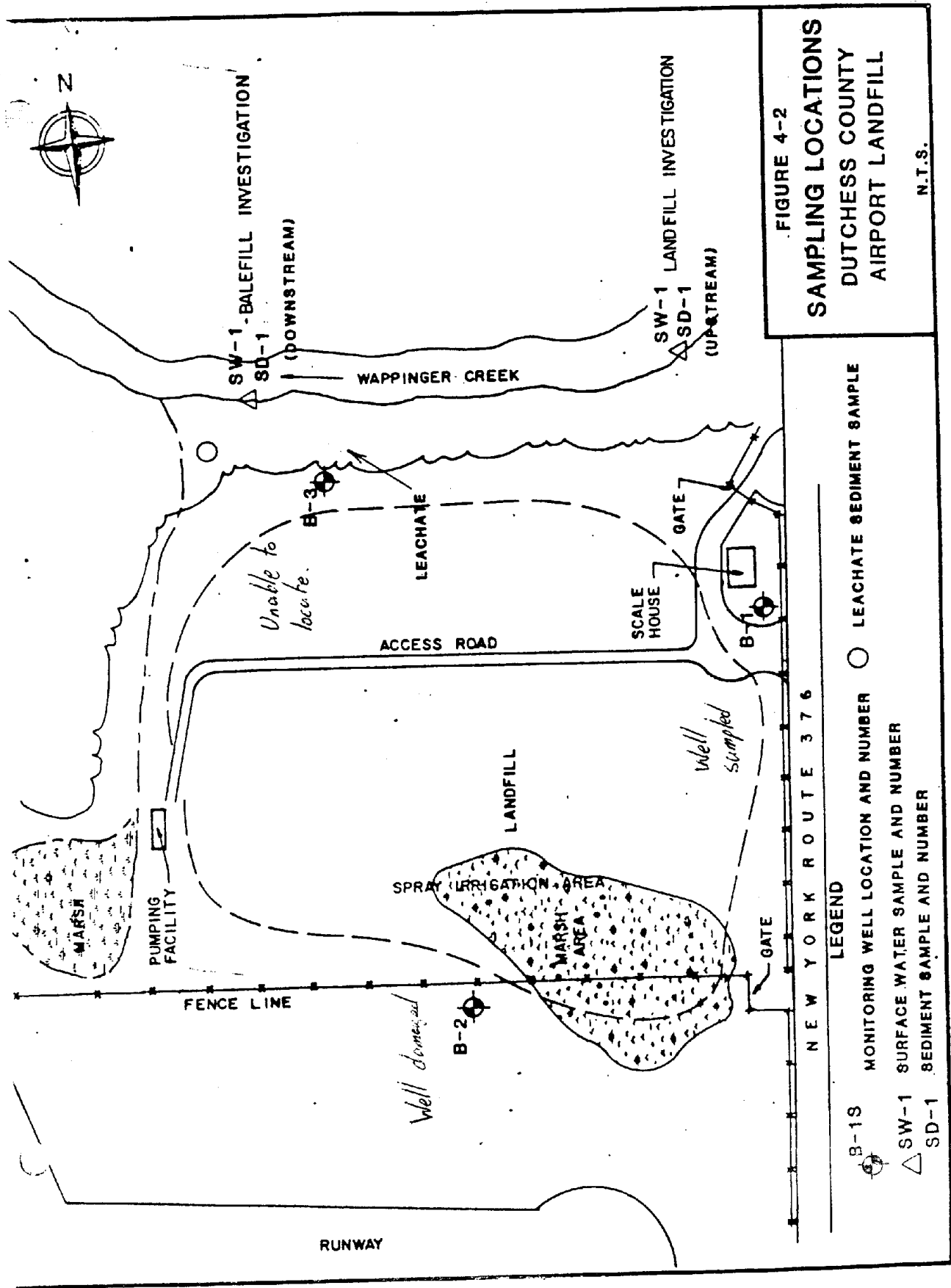
MAP LOCATION

FIGURE 1-1

SITE MAP LOCATION

DUTCHESS COUNTY AIRPORT
LANDFILL

LAT. 41° 37' 55" N LONG. 73° 52' 45" W



1.0 EXECUTIVE SUMMARY

The Dutchess County Airport Landfill (New York Site Code 314022) is located adjacent to the Dutchess County Airport, two miles northeast of the Village of Wappingers Falls, New York (Figure 1-1). The site is located in a rural residential area in the Town of Wappinger, Dutchess County, New York. It is located 100 to 200 feet south of Wappinger Creek. New Hackensack Road borders the site to the west. This 60-acre site was used as a sanitary landfill serving the City of Poughkeepsie, Town of Poughkeepsie, Town of Wappinger and the Town of LaGrange from 1968 to 1972. This site has been inactive since 1974, when a final cover was placed over it. The landfill had reportedly received a variety of household, commercial and industrial wastes during its operation.

Leachate has been observed emanating around the periphery of the fill area on the west side and to a lesser degree on the north side of the landfill. There is a leachate collection system along the western end of the site which recirculates leachate to a spray irrigation area along the southern edge of the site. The system is in disrepair. Leachate overflow enters a small remnant wetland near the west side of the landfill. Drainage from this wetland discharges intermittently to Wappinger Creek. A pool of stained water adjacent to the creek along the north side of the landfill appears to be a potential point of uncontrolled leachate discharge to Wappinger Creek.

The specific geology of the site was determined from information obtained during the drilling of three overburden monitoring wells during the Phase II investigation. Materials encountered included alluvial deposits and glacial till. Bedrock consisting of shale and slate with quartz-filled fractures was encountered in a test boring at a depth of 35 feet. Water levels ranged from 3.5 to 33 feet below surface level. Groundwater flows to the west and north towards Wappinger Creek.

Laboratory analysis of groundwater, surface water and sediment samples collected during the Phase II investigation do not present any pattern indicative of a release of hazardous constituents from the landfill. Analysis of leachate sediments collected on site indicated the presence of the

following contaminants: total xylenes (124 ug/l), ethylbenzene (100 ug/l), chlorobenzene (94 ug/l), toluene (14 ug/l), and benzene (11 ug/l). However, these contaminants are not attributable to the landfill because they were also found in the upstream Wappinger Creek sediment sample in similar concentrations and may reflect the possible contribution of high octane fuels or fuel combustion products in runoff from the airport. These compounds were not confirmed in the groundwater samples.

Residents within three miles of the site depend on wells for drinking water. The population served by wells within a three-mile radius of the site is approximately 13,624. The closest potable well is located approximately 700 feet southwest of the landfill at the Cessna Citation Service Center facility at the Dutchess County Airport. The Atlas Water Company's well, which serves approximately 1,300 residents, is located approximately 4,000 feet downgradient of the site. The monitoring well data obtained during this Phase II investigation do not suggest that these supplies are currently at risk from the landfill.

Based on available data, the Hazard Ranking system (HRS) scores for this site are as follows: Migration Score (S_M) = No Score and Direct Contact Score (S_{DC}) = No Score. "No Score" was assigned where a score could not be calculated due to a lack of documentation of hazardous wastes at the site.

Although their is insufficient evidence to confirm that the landfill is releasing hazardous constituents, improvements could be made to reduce the discharge of leachate to groundwater and surface water.

TABLE 4-3

DUTCHESS COUNTY AIRPORT LANDFILL
SUMMARY OF HAZARDOUS SUBSTANCE LIST

CAS Number	Compound	Groundwater, ug/l			Surface* Water, ug/l		Sediments* ug/kg		Leachate Sediments ug/l
		B-1	B-2	B-3	Up- stream SW-1 (ALF)	Down- stream SW-1 (BLF)	Up- stream SD-1 (ALF)	Down- stream SD-1 (BLF)	
		75092	Methylene Chloride	2JB	2JB	3JB	2JB	2JB	
67641	Acetone	3JB	3JB	3JB	3JB		12B	9JB	105B
108101	4-Methyl-2-pentanone		1JB						
67663	Chloroform					1JB	4JB	3JB	11B
71432	Benzene						10		11
108883	Toluene	1JB					3J		14
108907	Chlorobenzene	1J	1J				82		94
100414	Ethylbenzene		1JB				78		100
--	Total Xylenes						97		124
117817	bis(2-Ethylhexyl) phthalate	36	170	68		64B			
76448	Heptachlor							8.5	

Notes

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Blank spaces indicate not detected (see Appendix B for detection limits).

* ALF - Airport Landfill
BLF - Airport Balefill

TABLE 4-4

**DUTCHESS COUNTY AIRPORT LANDFILL
TENTATIVELY IDENTIFIED ORGANIC COMPOUNDS**

CAS Number	Compound	Groundwater, ug/l			Surface* Water, ug/l		Sediments* ug/kg		Leachate Sediments ug/l
		B-1	B-2	B-3	Up- stream SW-1 (ALF)	Down- stream SW-1 (BLF)	Up- stream SD-1 (ALF)	Down- stream SD-1 (BLF)	
1560936	2-Methyl pentadecane	46							
55045084	2-Methyl-6-propyldodecane	280							
629925	Hexadecane	27		85					
629787	Heptadecane	500		110					
54833486	2,6,10,15-tetramethyl heptadecane	26							
629925	Nonadecane	210		74					
128370	2,6-bis(1,1-dimethylethyl)-4- methylphenol		11B	21B	26B	14B			
13287235	8-methyl heptadecane			31					
55045119	5-propyl tridecane			21					
54833486	2,6,7,10-tetramethyl heptadecane			31					
2216333	3-methyl octane						9,900	7,600	19,000
2216344	4-methyl octane						10,000		
2213232	2,4-dimethyl heptane								20,000
112958	Eicosane	110		40					
54833237	10-methyl eicosane			12					
44433564	Eicosyl cyclohexane			24					
--	Unknown (total)	1,358	50	357	0	0	13,823	11,240	22,377

Notes

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Blank spaces indicate not detected. See Appendix B for detection limits.

* ALF - Airport Landfill
BLF - Airport Balefill

TABLE 4-5

**DUTCHESS COUNTY AIRPORT LANDFILL
INORGANIC ANALYSIS SUMMARY**

Parameter	Groundwater, ug/l			Surface* Water, ug/l		Sediments, mg/kg*		Leachate Sediments mg/kg
	Well B-1	Well B-2	Well B-3	Up- stream Sample SW-1 (ALF)	Down- stream Sample SW-1 (BLF)	Up- stream Sample SD-1 (ALF)	Down- stream Sample SD-1 (BLF)	
	Aluminum	853	2,070	1,340		465 ³	13,300	
Arsenic						4,020		27,300
Barium		232	200			61.9		458
Cadmium	5.93		6.32					3.38
Calcium	93,000	168,000	128,000	28,800	28,900	2,310		71,900
Chromium						13.6	14.6	10.1
Copper						15.8	17.4	33.7
Cyanide						0.43	0.39	1.92
Iron	3,240 ¹	9,100 ¹	3,220 ¹	101	224	23,800	27,000	143,000
Lead	85.2 ¹	120 ¹	7.40	12.0	19.2	34.8	11.9	29.3
Magnesium	21,600	48,800 ²	8,150	8,620	8,550	4,670	5,980	3,610
Manganese	1,060 ¹	10,300 ¹	3,000 ¹	32.0	33.1	943	466	3,060
Nickel						18.9	21.9	20.3
Potassium	6,800	6,190	5,090		1,110 ⁴	817 ⁴	630 ⁴	1,110 ⁴
Sodium	11,700	52,900	76,600	11,300	12,700			
Vanadium						15.5	15.0	31.0
Zinc	287	50.3	123			85.8	73.8	205
Mercury		0.3	0.4			0.2		

Blank spaces indicate not detected (see Appendix B for detection limits).

¹ Exceeds standards for Class GA waters

² Exceeds guidelines for Class GA waters

³ Exceeds aquatic guidelines or standards for surface water (fresh)

⁴ Indicates the result is a value greater than or equal to the instrument detection limit but less than the contract required detection limit

*ALF - Airport Landfill

BLF - Airport Balefill

TABLE 4-6

DUTCHESS COUNTY AIRPORT LANDFILL
ANALYTICAL RESULTS OF WATER QUALITY PARAMETERS*

Identification	Parameter						
	pH	Total Suspended Solids, mg/l	Total Dissolved Solids Dried at 180° C, mg/l	Chemical Oxygen Demand mg/l	Specific Conductance, umhos/cm	Total Solids (%)	Specific Gravity
B-1	7.87	938	204	50.3	380		
B-2	6.53	28,750	666	76.7	1,350		
B-3	8.80	11,200	2,500	5.42	10,000		
Upstream SW-1 (ALF)	7.83	< 1.0	15.7	17.3	250		
Downstream SW-1 (BLF)	7.82	< 1.0	164	< 1.0	220		
Field Blank	7.43	< 1.0	< 1.0	< 1.0	6		
Upstream SD-1 (ALF)						61.70	4.59
Downstream SD-1 (BLF)						78.09	4.52
Leachate Sediments						42.07	9.13

*Samples collected March 5, 1986 by Wehran Engineering; see Figure 1-2 for sample locations.

TABLE 4-7
DUTCHESS COUNTY AIRPORT LANDFILL
QA/QC BLANK ANALYSIS SUMMARY

CAS Number	Parameter	Blank Concentrations			
		Trip ug/l	Field ug/l	Method (Water) ug/l	Method (Soil) ug/kg
75092	Methylene Chloride	6	4J	3J	8
67641	Acetone	3J		3J	9J
108101	4-Methyl-2-pentanone	2J		4J	
67663	Chloroform	2J	2J	2J	4J
108883	Toluene			1J	
100414	Ethylbenzene	1J		1J	
591786	2-Hexanone	2J		6J	
75343	1,1-Dichloroethane			1J	
128370	2,6-bis(1,1-dimethylethyl) 4-methyl phenol		25	20	
2216333	3-methyl octane				6,900
2213232	2,4-dimethyl heptane				7,000
--	Unknown hydrocarbon (Total)	47	31		2,045
	Lead		21.2	5.70	
	Manganese			23	

Notes

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.

Blank spaces indicate not detected. See Appendix B for detection limits.

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

169007

Lab Name: RF WESTON, INC

Contract: 1667-07-01-

Lab Code: WESTON Case No.: SH391

SAS No.: _____ SDG No.: 0725

Matrix: (soil/water) WATER

Lab Sample ID: 9107L276-001

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: W073010

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. _____

Date Analyzed: 07/30/91

Column: (pack/cap) PACK

Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

FORM 1 V-1

1/87 Rev.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

169007

Lab Name: RF WESTON, INC

Contract: 1667-07-01-

Lab Code: WESTON

Case No.: SH391

SAS No.: _____

SDG No.: 0725

Matrix: (soil/water) WATER

Lab Sample ID: 9107L276-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: PO80111

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. _____ dec.

Date Extracted: 07/30/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/01/91

GPC Cleanup: (Y/N) N pH: 6.0

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L

108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	J
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C U U U U U 1 /
SEMIVOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

169007

Lab Name: RF WESTON, INC

Contract: 1667-07-01-

Lab Code: WESTON

Case No.: SH391

SAS No.: _____

SDG No.: 0725

Matrix: (soil/water) WATER

Lab Sample ID: 9107L276-001

Sample wt/vol: 990 (g/mL) ML

Lab File ID: P080111

Level: (low/med) LOW

Date Received: 07/26/91

% Moisture: not dec. _____ dec.

Date Extracted: 07/30/91

Extraction: (SepF/Cont/Sonc) SEPF

Date Analyzed: 08/01/91

GPC Cleanup: (Y/N) N

pH: 6.0

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L

99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-Octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	DiBenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1 SV-2

1/87 Rev.

1
INORGANIC ANALYSIS DATA SHEET

169007

Lab Name: ROY F. WESTON, INC - L372 Contract: 1667-07-01

Lab Code: WESTON Case No.: SH391 SAS No.: SDG No.: CLP276

Matrix (soil/water): WATER Lab Sample ID: 910727601

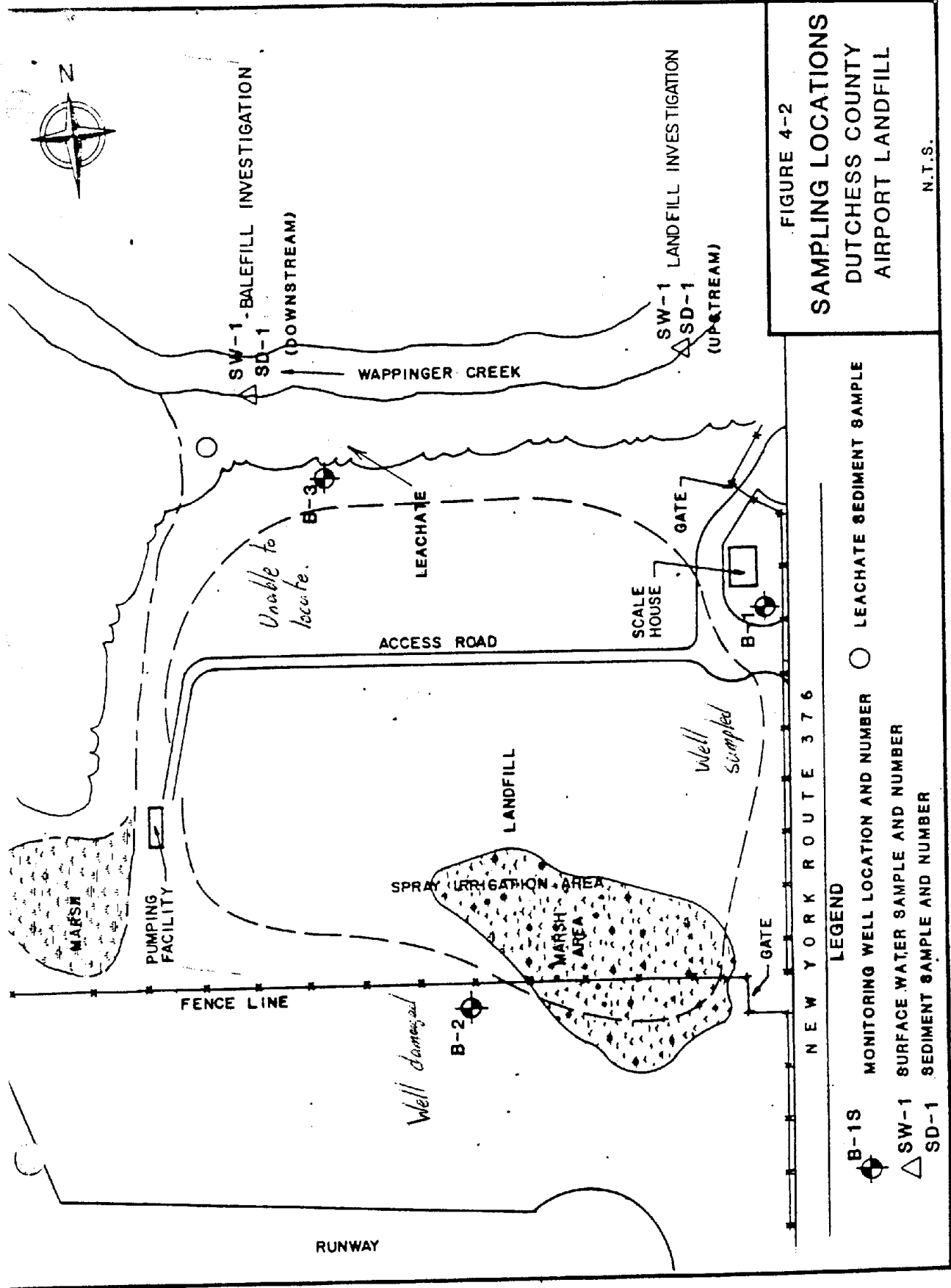
Level (low/med): LOW Date Received: 7/26/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19936.60	-		P
7440-36-0	Antimony	18.00	U		P
7440-38-2	Arsenic	7.70	B	N	F
7440-39-3	Barium	173.60	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	142613.40			P
7440-47-3	Chromium	9.50	B		P
7440-48-4	Cobalt	21.50	B		P
7440-50-8	Copper	65.40			P
7439-89-6	Iron	44138.80			P
7439-92-1	Lead	21.40		NS	F
7439-95-4	Magnesium	39823.90			P
7439-96-5	Manganese	2205.50			P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	41.00			P
7440-09-7	Potassium	3618.40	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	4.00	U		P
7440-23-5	Sodium	6382.00		E	P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	40.70	B	E	P
7440-66-6	Zinc	150.10			P
	Cyanide	10.00	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:
 Color After: COLORLESS Clarity After: CLEAR Artifacts:
 Comments:



0000014

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS SHEET

Lab Name: RF WESTON, INCContract: 1667-07-01-

169007

Lab Code: WESTONCase No.: SH391

SAS No.: _____

SDG No.: 0725Matrix: (soil/water) WATERLab Sample ID: 9107L276-001Sample wt/vol: 5.00 (g/mL) MLLab File ID: W073010Level: (low/med) LOWDate Received: 07/26/91

% Moisture: not dec. _____

Date Analyzed: 07/30/91Column: (pack/cap) PACKDilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	(ug/L or ug/Kg)	ug/L
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	JB
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

FORM 1 V-1

1/87 Rev.

1B

0000010

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS SHEET

Lab Name: RF WESTON, INCContract: 1667-07-01-

169007

Lab Code: WESTONCase No.: SH391

SAS No.: _____

SDG No.: 0725Matrix: (soil/water) WATERLab Sample ID: 9107L276-001Sample wt/vol: 990 (g/mL) MLLab File ID: P080111Level: (low/med) LOWDate Received: 07/26/91

% Moisture: not dec. _____ dec.

Date Extracted: 07/30/91Extraction: (SepF/Cont/Sonc) SEPFDate Analyzed: 08/01/91GPC Cleanup: (Y/N) N pH: 6.0Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/L

108-95-2-----	Phenol	10	U
111-44-4-----	bis(2-Chloroethyl)ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	10	U
100-51-6-----	Benzyl alcohol	10	U
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	bis(2-Chloroisopropyl)ether	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-Di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
65-85-0-----	Benzoic acid	50	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	50	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	50	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

FORM 1 SV-1

1/87 Rev.

0000017

1C SEMIVOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

169007

Lab Name: RF WESTON, INC Contract: 1667-07-01-
Lab Code: WESTON Case No.: SH391 SAS No.: SDG No.: 0725
Matrix: (soil/water) WATER Lab Sample ID: 9107L276-001
Sample wt/vol: 990 (g/mL) ML Lab File ID: P080111
Level: (low/med) LOW Date Received: 07/26/91
% Moisture: not dec. dec. Date Extracted: 07/30/91
Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/01/91
GPC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

Table with 3 columns: CAS NO., COMPOUND, and CONCENTRATION UNITS. Lists various organic compounds and their concentrations, such as 3-Nitroaniline (50 ug/L), Acenaphthene (10 ug/L), etc.

(1) - Cannot be separated from Diphenylamine FORM 1 SV-2

1
INORGANIC ANALYSIS DATA SHEET

169007

Lab Name: ROY F. WESTON, INC - L372 Contract: 1667-07-01

Lab Code: WESTON Case No.: SH391 SAS No.: SDG No.: CLP276

Matrix (soil/water): WATER Lab Sample ID: 910727601

Level (low/med): LOW Date Received: 7/26/91

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19936.60	-		P
7440-36-0	Antimony	18.00	U		P
7440-38-2	Arsenic	7.70	B	N	F
7440-39-3	Barium	173.60	B		P
7440-41-7	Beryllium	1.00	U		P
7440-43-9	Cadmium	2.00	U		P
7440-70-2	Calcium	142613.40			P
7440-47-3	Chromium	9.50	B		P
7440-48-4	Cobalt	21.50	B		P
7440-50-8	Copper	65.40			P
7439-89-6	Iron	44138.80			P
7439-92-1	Lead	21.40		NS	F
7439-95-4	Magnesium	39823.90			P
7439-96-5	Manganese	2205.50			P
7439-97-6	Mercury	.20	U		CV
7440-02-0	Nickel	41.00			P
7440-09-7	Potassium	3618.40	B		P
7782-49-2	Selenium	2.00	U	W	F
7440-22-4	Silver	4.00	U		P
7440-23-5	Sodium	6382.00		E	P
7440-28-0	Thallium	2.00	U	NW	F
7440-62-2	Vanadium	40.70	B	E	P
7440-66-6	Zinc	150.10			P
	Cyanide	10.00	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:
 Color After: COLORLESS Clarity After: CLEAR Artifacts:
 Comments:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATIONOriginal—BHSC
Copy—REGION
Copy—DEE
Copy—DOH
Copy—PREPARER**ADDITIONS/CHANGES TO REGISTRY
OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES**

1. SITE NAME Dutchess County Airport Balefill		2. SITE NO. 314023		3. TOWN Wappinger		4. COUNTY Dutchess	
5. REGION 3		6. CLASSIFICATION Current <u>2a</u> / Proposed <u>D1</u>		7. ACTIVITY <input type="checkbox"/> Add <input type="checkbox"/> Reclassify <input checked="" type="checkbox"/> Delist <input type="checkbox"/> Modify			
8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location). The site is located between the Dutchess County Airport and Wappinger Creek, to the northwest of the airport off Citation Drive.							
b. Quadrangle <u>Poughkeepsie</u>		c. Site Latitude <u>41°37'40"</u>		Longitude <u>73°53'30"</u>		d. Tax Map Number <u>-</u>	
9a. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations) The site served as the disposal area for baled municipal waste generated in Dutchess County. The balefill was operated by the Dutchess County DPW during 1976 and 1977. Waste was baled by Dutchess Sanitation, Inc. Upon closure, the site was capped and seeded, though the sides are very steeply sloped. A healthy vegetative cover is growing over the site.							
b. Area <u>2$\frac{1}{2}$</u> acres		c. EPA ID Number <u>NYD982530529</u>		d. PA/SI <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
e. Completed: <input checked="" type="checkbox"/> Phase I <input checked="" type="checkbox"/> Phase II <input type="checkbox"/> PSA <input type="checkbox"/> Sampling							
10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE No documentation of hazardous waste disposal exists for the balefill. Waste accepted was likely mixed residential, commercial, and industrial in nature. Sample results from the Phase II are not indicative of hazardous waste disposal at this site.							
11a. SUMMARIZED SAMPLING DATA ATTACHED <input type="checkbox"/> Air <input checked="" type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Surface Water <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Waste <input type="checkbox"/> EP Tox <input type="checkbox"/> TCLP.							
b. List contravened parameters and values Several inorganic parameters are above the standards, but the levels do not suggest the disposal of hazardous waste. See attached analytical summaries.							
12. SITE IMPACT DATA							
a. Nearest surface water: Distance <u>200</u> ft.		Direction <u>north and west</u>		Classification <u>B</u>			
b. Nearest groundwater: Depth <u>6</u> ft.		Flow Direction <u>west</u>		<input type="checkbox"/> Sole Source <input type="checkbox"/> Primary <input type="checkbox"/> Principal			
c. Nearest water supply: Distance <u>600</u> ft.		Direction <u>southeast</u>		Active <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
d. Nearest building: Distance <u>600</u> ft.		Direction <u>southeast</u>		Use <u>commercial</u>			
e. Crops or livestock on site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				j. Within a State Economic Development Zone? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
f. Exposed hazardous waste? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				k. For Class 2a: Code _____ Health Model Score _____			
g. Controlled site access? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				l. For Class 2: Priority Category _____			
h. Documented fish or wildlife mortality? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				m. HRS Score _____			
i. Impact on special status fish or wildlife resource? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				n. Significant Threat <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown			
13. SITE OWNER'S NAME Dutchess County			14. ADDRESS 22 Market St., Poughkeepsie, NY 12601			15. TELEPHONE NUMBER ()	
16. PREPARER Lawrence J. Alden Environmental Engineer 2 NYSDEC 2/15/91 Date <i>Lawrence Alden</i> Signature							
17. APPROVED John B. Swartwout, Chief, Eastern Investigation Section 2/28/91 Date <i>John B. Swartwout</i> Signature							

SITE CODE: 314023

ANALYTICAL DATA AVAILABLE:

Air- Surface Water-X Groundwater-X Soil- Sediment-X

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE . . : State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:

SOIL TYPE:

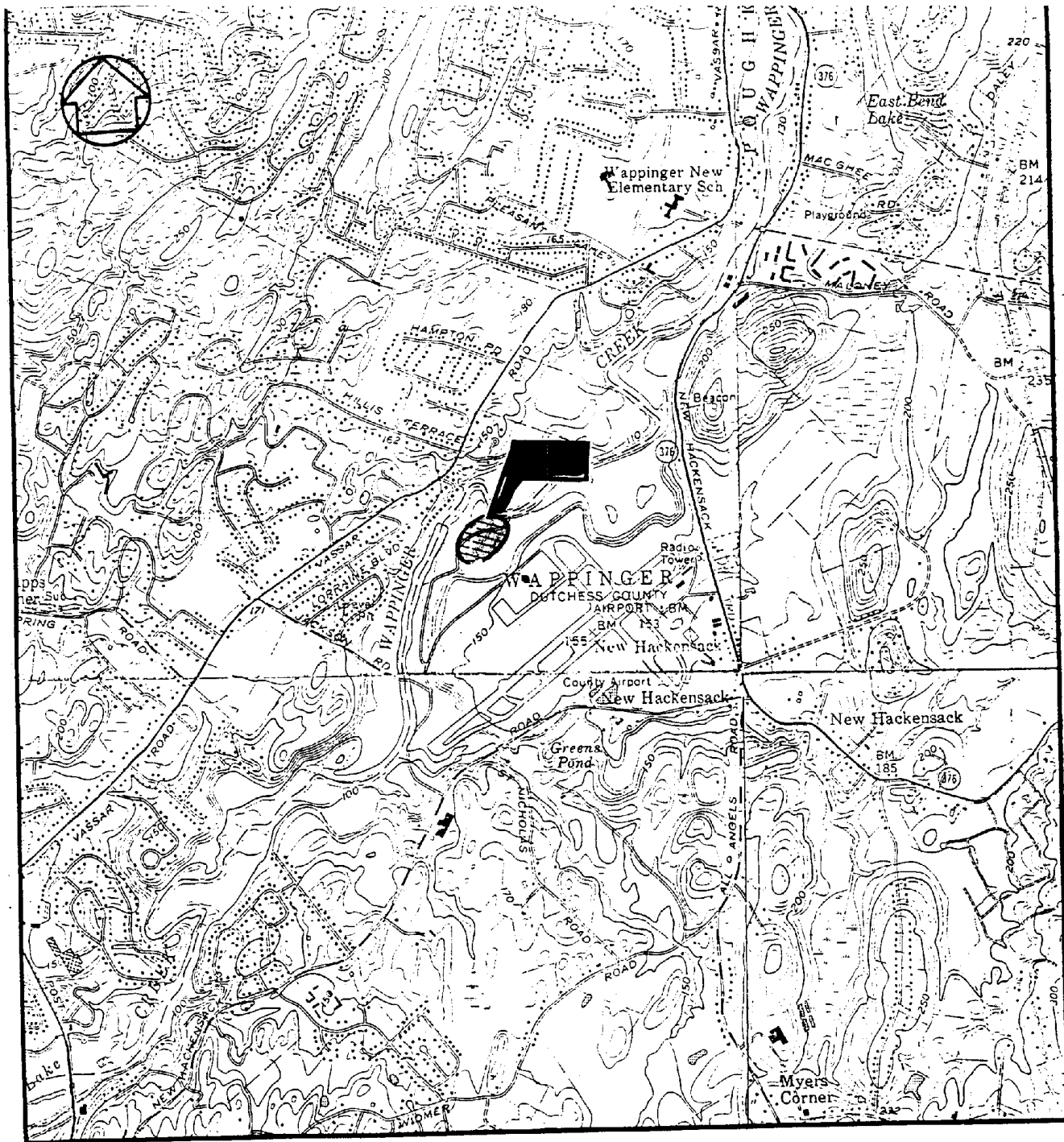
GROUNDWATER DEPTH:

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The Phase II confirmed no release of hazardous constituents from the site. There are no environmental problems associated with the disposal of hazardous waste at this site.

ASSESSMENT OF HEALTH PROBLEMS:

Use of this site was discontinued in 1977 in part due to the potential for impact on the Atlas Water Company Wells located 2000 feet away. Poor site location and operation has lead to leachate seeps discharging into Wappingers Creek. Sampling of the Atlas well in 1986 by the NYSDOH did not detect organic or inorganic contamination of these wells. Phase II sampling of groundwater at the site detected low levels of phenol (17 ug/l) in one downgradient well, other volatile organic compounds were detected in the 1 to 2 ug/l range in groundwater. Dutchess County DOH has completed a sampling program of private wells in the vicinity of the airport and has found none to be contaminated.



TOPOGRAPHY TAKEN FROM
 PLEASANT VALLEY, N.Y. 1957
 (PHOTO REVISED 1981)
 HOPEWELL JUNCTION, N.Y. 1957
 (PHOTO REVISED 1981)
 WAPPINGERS FALLS, N.Y. 1956
 (PHOTO REVISED 1981)
 POUGHKEEPSIE, N.Y. 1957
 (PHOTO REVISED 1982)
 U.S.G.S QUADRANGLE
 7.5 MIN. SERIES

SCALE: 1"=2000'



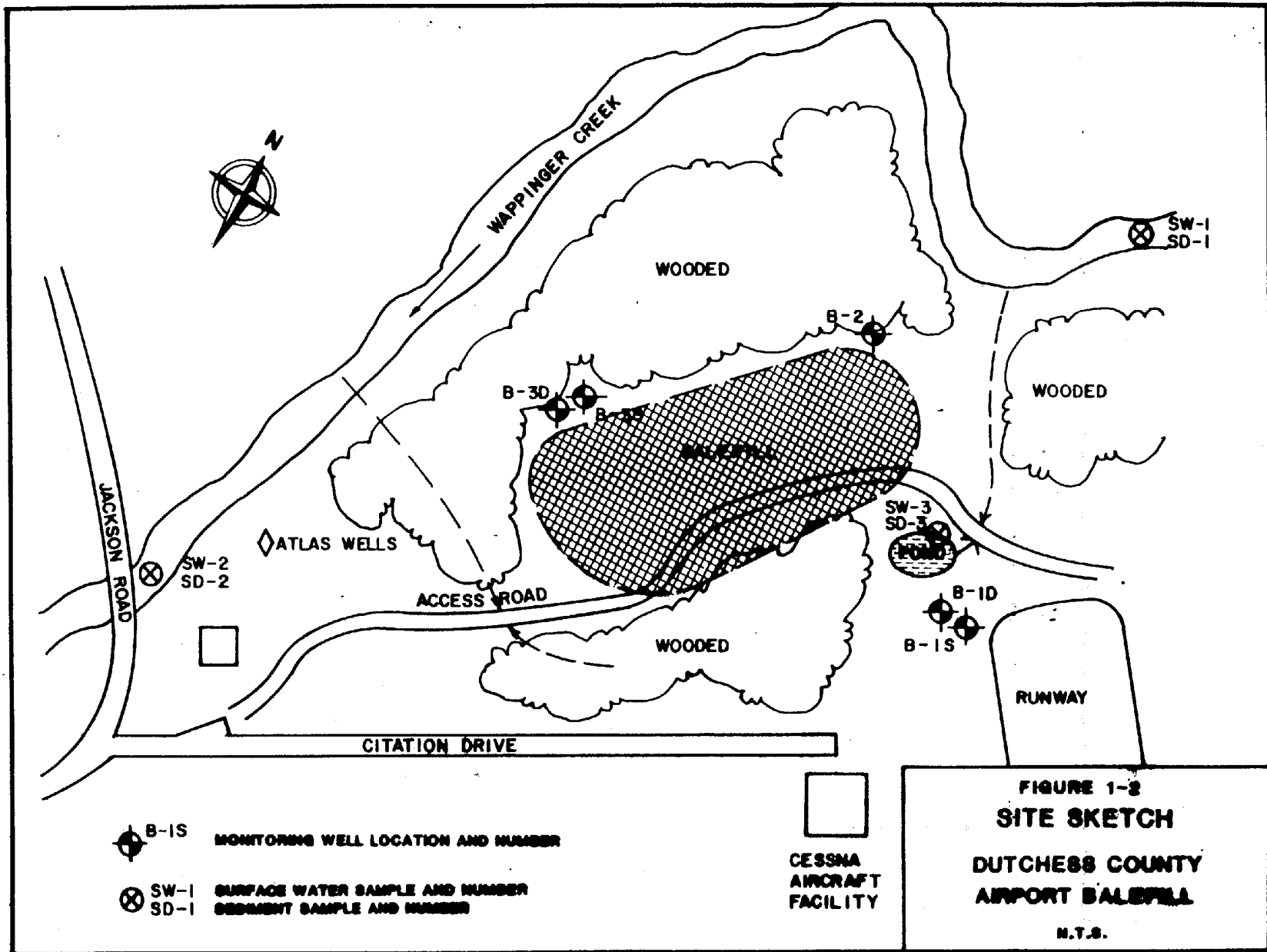
MAP LOCATION

FIGURE 1-1

SITE MAP LOCATION

**DUTCHESS COUNTY AIRPORT
BALEFILL**

LAT. 41 37' 40" LONG. 73 53' 30"



1.0 EXECUTIVE SUMMARY

The Dutchess County Airport Balefill (New York Site Code: 314023) is located on Citation Drive in the Town of Wappinger, Dutchess County, New York (Figure 1-1). The site is a 2.25-acre landfill for baled refuse situated on approximately 55 acres of land owned by Dutchess County adjacent to the Dutchess County Airport. The balefill was operated by Dutchess County Department of Public Works during 1976-1977. The site was approved by NYSDEC (May 1976) for the disposal of baled residential, commercial, and dry industrial refuse generated in Dutchess County. It was not approved for industrial processes waste or hazardous materials. Baling was done by Dutchess Sanitation, Inc. The site was reportedly developed in accordance with NYSDEC-approved engineering plans and specifications, and was inspected frequently by representatives of the Dutchess County Department of Health to enforce compliance with operational requirements. However, there are no records indicating that the baling operation at Dutchess Sanitation was monitored or that daily inspections of disposal at the site was performed.

The site is bounded by Wappinger Creek on the north and west and Jackson Road to the south. The Dutchess County Airport is adjacent to the eastern perimeter of the site (Figure 1-2). Wappinger Creek separates the site from a residential area.

The balefill is capped and covered with thick vegetation. The balefill has steep sideslopes and some erosion channels exist. A drainage ditch, leading to Wappinger Creek, is directed along the southern perimeter of the balefill. Directly northeast of the balefill is a small pond, approximately 50 feet by 150 feet in size which receives runoff from the airport runway.

The Dutchess County Department of Health conducted sampling of the on-site drainage ditch. The results indicated high levels of iron and chemical oxygen demand (COD). A sample collected on July 14, 1981 detected a trace of trichloroethylene in a drainage ditch at the site. The Atlas Water Company wells, which are analyzed routinely for inorganics, have been maintaining background levels since 1961. However, organic sampling has never been conducted on the water supply wells.

The specific geology of the site was determined from information obtained during the drilling of five monitoring wells during the Phase II investigation. Materials encountered include alluvial deposits, glacial till, glaciolacustrine deposits, and bedrock consisting of slate and phyllite of the Hudson River formation. Three of the wells were completed in the overburden and two in bedrock. Water level data suggest hydraulic connection between the unconsolidated sediments and the bedrock. Water levels ranged from about 6 feet to 13 feet below surface level. Groundwater flows to the west and north towards the creek.

Laboratory analysis of groundwater, surface water, and sediment samples collected during the Phase II investigation did not confirm a release of hazardous constituents from the site.

Residents within three miles of the site depend on wells for drinking water. The population served by wells within a three-mile radius of the site is about 10,940. The closest potable well is located approximately 600 feet from the site at the Cessna Citation Service Center. The Atlas Water Company wells, which are situated approximately 1,500-2,000 feet downstream of the site, draw from groundwater 50 feet below the elevation of Wappinger Creek. They serve as a major source of private water supply for approximately 1,300 residents in the Town of Wappinger.

Based on available data, the Hazard Ranking System (HRS) scores for this site are as follows: $S_M = \text{No Score}$ ($S_{gw} = \text{No Score}$, $S_{sw} = \text{No Score}$, $S_a = 0$) $S_{FE} = 0$, and $S_{DC} = 0$. "No Score" was assigned where a score could not be calculated due to lack of documentation of hazardous wastes at the site.

Although the available data do not suggest that the balefill is a source of hazardous constituents, upgrading the existing cover should be considered to reduce the potential for contaminant discharge to groundwater and/or surface water. A monitoring program should be implemented in the interim.

TABLE 4-3 (Page 1)

DUTCHESS COUNTY AIRPORT BALEFILL
SUMMARY OF HAZARDOUS SUBSTANCE LIST
ORGANIC COMPOUNDS DETECTED

CAS Number	Compound	Groundwater, ug/l					Surface Water, ug/l			Sediments ug/kg		
		B-1S	B-2	B-3S	B-1D	B-3D	SW-1	SW-2	SW-3	SD-1	SD-2	SD-3
75092	Methylene Chloride	2JB	2JB	1JB	2JB	2JB	2JB	2JB	2JB	11B	12B	7B
67641	Acetone			3JB		17B				9JB		9JB
67663	Chloroform					1JB	1JB			3JB	3JB	2JB
71432	Benzene		1J	2J					1J		1J	
100414	Ethylbenzene		1J	3J		1J						
108883	Toluene					1J					1J	
108101	4-Methyl-2-pentanone					1JB						
78933	2-Butanone							10				
76448	Heptachlor									8.5		
85018	Phenanthrene										1900	
120127	Anthracene										410	
206440	Fluoranthene										2100	
129000	Pyrene										2000	
56553	Benzo(a) Anthracene										1100	
218019	Chrysene										1100	
205992	Benzo(b) Fluoranthene										700	
207089	Benzo(k) Fluoranthene										790	
50328	Benzo(a) Pyrene										910	
84742	Di-n-Butylphthalate											280J

TABLE 4-3 (Page 2)

DUTCHESS COUNTY AIRPORT BALEFILL
 SUMMARY OF HAZARDOUS SUBSTANCE LIST
 ORGANIC COMPOUNDS DETECTED

CAS Number	Compound	Groundwater, ug/l					Surface Water, ug/l			Sediments ug/kg		
		B-1S	B-2	B-3S	B-1D	B-3D	SW-1	SW-2	SW-3	SD-1	SD-2	SD-3
117817	Bis(2-ethylhexyl)phthalate			51B		37B	64B		220B			
71556	1,1,1-Trichloroethane								1J			
108952	Phenol					17						
8466-2	Diethylphthalate			6J								

Notes

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 ug/l and a concentration of 3 ug/l is calculated, report as 3J.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Blank spaces indicate compound not detected (see Appendix B for detection limits).

TABLE 4-4 (Page 1)

**DUTCHESS COUNTY AIRPORT BALEFILL
TENTATIVELY IDENTIFIED ORGANIC COMPOUNDS**

CAS Number	Compound	Groundwater, ug/l					Surface Water, ug/l			Sediments ug/kg		
		B-1S	B-2	B-3S	B-1D	B-3D	SW-1	SW-2	SW-3	SD-1	SD-2	SD-3
128370	2,6-bis(1,1-dimethylethyl) 4-methylphenol	8B	11B	18B	12B	12B	14B	10B	11B			
78400	Phosphoric acid triethyl ester			31								
498817	α , α -4-trimethyl cyclohexane methanol			35								
470655	4-methyl-1-(1-methylethyl)- cyclohexanol			7								
143077	Dodecanoic acid			6		78						
629925	Nonadecane			8	25							
80397	N-ethyl-4-methyl-benzene- sulfonamide			8								
112958	Eicosane			10								
105602	Hexahydro-2H-azepin-2-one				15	10						
128370	Hexadecane				30							
544763	Heptadecane				52	36						
111762	2-butoxy ethanol					29						
334485	Decanoic acid					14						
121335	4-hydroxy-3-methoxy- benzaldehyde					6.5						
90437	(1,1-Biphenyl)-2-ol					24						
55045095	7-propyl tridecane					25						
55045119	5-propyl tridecane					10						

TABLE 4-4 (Page 2)

DUTCHESS COUNTY AIRPORT BALEFILL
TENTATIVELY IDENTIFIED ORGANIC COMPOUNDS

CAS Number	Compound	Groundwater, ug/l					Surface Water, ug/l			Sediments ug/kg		
		B-1S	B-2	B-3S	B-1D	B-3D	SW-1	SW-2	SW-3	SD-1	SD-2	SD-3
--	Propyl-tridecane isomer					13						
54833486	2,6,10,15-tetramethyl heptadecane					8						
2216333	3-methyl octane									7,600	8,200	5,100
2213232	2,4-dimethyl heptane										7,900	
	Total unknown		46	160	66	90.4				11,240	34,152	10,228

Notes

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Blank spaces indicate compound not detected.

TABLE 4-5

**DUTCHESS COUNTY AIRPORT BALEFILL
INORGANIC ANALYSIS SUMMARY**

Parameter	Groundwater, ug/l					Surface Water ug/l			Sediments, mg/kg		
	Well B-1S	Well B-2	Well B-3S	Well B-1D	Well B-3D	Sample SW-1	Sample SW-2	Sample SW-3	Sample SD-1	Sample SD-2	Sample SD-3
Aluminum	1,170	1,050	728	5,630	1,060	465		328	15,400	17,400	8,550
Arsenic											3.37
Barium	391	219	256	1,160	249					87.6	
Calcium	241,000	141,000	129,000	128,000	114,000	28,900	27,200	27,900		2,420	1,370
Chromium									14.6	40.9	10.2
Cobalt										15.8	
Copper				48.6					17.4	95.6	16.4
Cyanide									0.39	0.36	0.37
Iron	1,600	17,000	5,820	6,920	422	224	158	333	27,000	33,300	19,800
Lead	13.3	9.6	10.5	18.6	109	19.2	10.9	107	11.9	147	15.9
Magnesium	20,900	12,000	6,200	10,600	(1,390)	8,550	8,030	7,460	5,980	5,690	4,090
Manganese	5,010	16,400	6,040	1,430	162	33.1	68.7	72.4	466	1,070	710
Mercury	1.0			0.6							
Nickel									21.9	60.1	17.3
Potassium	18,200	(2,480)	39,200	15,600	57,100	(1,110)	5,000		(630)	(868)	(566)
Silver					11.6						
Sodium	47,500	7,200	171,000	79,200	89,100	12,700	11,000				
Vanadium									15.0	20.8	20.4
Zinc	23.3	70.4	63.7	141	37.1				73.8	360	327

NOTES

- Blank spaces indicate compound not detected (see Appendix B for detection limits).
- Parentical numbers indicate concentration values greater than or equal to the instrument detection limit, but less than the contract required detection limit.

[THIS PAGE INTENTIONALLY LEFT BLANK]

TABLE 4-6
DUTCHESS COUNTY AIRPORT BALEFILL
ANALYTICAL RESULTS OF WATER QUALITY PARAMETERS*

<u>Identification</u>	<u>Parameter</u>						
	<u>pH</u>	<u>Total Suspended Solids, mg/l</u>	<u>Total Dissolved Solids Dried at 180° C, mg/l</u>	<u>Chemical Oxygen Demand mg/l</u>	<u>Specific Conductance, umhos/cm</u>	<u>Total Solids (%)</u>	<u>Specific Gravity</u>
B-1D	10.29	463	2,400	1.55	6,200		
B-1S	8.09	1,350	364	<1.0	470		
B-2	6.51	7,800	189	5.42	310		
B-3D	11.88	263	556	34.5	2,250		
B-3S	6.76	5,130	259	67.4	2,000		
SW-1	7.82	<1.0	164	<1.0	220		
SW-2	7.81	<1.0	161	1.55	225		
SW-3	8.34	4.6	143	<1.0	190		
Field Blank	7.53	1.6	<1.0	<1.0	10		
SD-1						78.09	4.52
SD-2						67.73	3.52
SD-3						80.77	4.86

*Samples collected March 6, 1986 by Wehran Engineering; see Figure 1-3 for sample locations.