

New York State Department of Environmental Conservation
 Division of Environmental Remediation
 Bureau of Hazardous Site Control

152040

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

SITE NAME: HUNTINGTON LAND FILL DEC I.D. NUMBER 152040

Current Classification 2 Volunteer Yes No
 Sign (7) below

Activity: Add as Class Reclassify to 4 Delist Categor Modify

Approvals:

1. Regional Hazardous Waste Engineer	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
2. BEEI of NYSDOH	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
3. DEE	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
4. _____ Remediation Action Bureau Director [Class 2]	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
5. BHSC - Investigation Section	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
6. BHSC - O&M Section [Class 4]	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	<u>[Signature]</u>
7. BPM - Brownfield & Voluntary Cleanup Section					Date <u>n/a</u>
8. Site Control Section					Date <u>[Signature]</u>
9. Director					Date <u>11/17/99</u>

Completion Checklist for Registry Sites

		Completed By: Initials	Date
OWNER NOTIFICATION LETTER?	<input checked="" type="checkbox"/>		<u>12/9/99</u>
ADJACENT PROPERTY OWNER NOTIFICATION LETTER?	<input checked="" type="checkbox"/>		<u>12/31/99</u>
ENB/LEGAL NOTICE SENT? (For Deletion Only)	<input type="checkbox"/>		
COMMENTS SUMMARIZED/PLACE IN REPOSITORY?	<input type="checkbox"/>		
FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only)	<input type="checkbox"/>		

SITE INVESTIGATION INFORMATION

1. SITE NAME Huntington Landfill (East Northport)		2. SITE NUMBER 1-52-040	3. TOWN/CITY/VILLAGE Huntington	4. COUNTY Suffolk
5. REGION 1	6. CLASSIFICATION CURRENT 2 PROPOSED 4 MODIFY X			
7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location) a. Quadrangle Central Islip b. Site Latitude <u>40</u> ° <u>52</u> ' <u>42.0</u> " Site Longitude <u>73</u> ° <u>17</u> ' <u>20.0</u> " c. Tax Map Numbers: Town of Huntington, Section 128, Lot 5, Blocks 7 & 8/ Section 129, Lot 5, Block 11.1 d. Site Street Address Town Line Road, Huntington, NY 11743				
8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations) The Huntington Landfill is owned by the Town of Huntington and operated from 1935 to 1989. The landfill, located in the northwest portion of Suffolk County, encompasses a 54 acre site on Town Line Road. The types of waste generally accepted by the landfill were municipal solid waste and construction and demolition debris. Private wells in the area were contaminated by the landfill. a. Area <u>Approx 54</u> acres b. EPA ID Number <u>NYD90506844</u> c. Completed <input checked="" type="checkbox"/> Phase I <input type="checkbox"/> Phase II <input type="checkbox"/> PSA <input checked="" type="checkbox"/> RI/FS <input type="checkbox"/> PA/SI <input checked="" type="checkbox"/> Other RD/RA				
9. Hazardous Waste Disposed (Include EPA Hazardous Waste Numbers) Tetrachloroethylene (F001) Heavy Metals				
10. ANALYTICAL DATA AVAILABLE a. <input checked="" type="checkbox"/> Air <input checked="" type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Surface Water <input checked="" type="checkbox"/> Sediment <input type="checkbox"/> Soil <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Leachate <input type="checkbox"/> EPTox <input type="checkbox"/> TCLP b. Contravention of Standards or Guidance Values in Groundwater This closed municipal landfill has a confirmed leachate plume in the sole source aquifer. This plume has traveled at least two miles to the northeast. Private residential wells downgradient of the landfill have been contaminated with tetrachloroethylene (PCE) and landfill leachate parameters. These contaminants have also been detected in downgradient monitoring wells. Groundwater standards for Tetrachloroethylene (5 ppb) are being exceeded. Surface water standards for tetrachloroethylene (1 ppb) are being exceeded. Ambient air samples on the landfill exceeded AGC guidelines for benzene (.12 ug/m ³).				
11. CONCLUSION There have been three phases of providing public water to residents whose wells have been or potentially will be impacted by the landfill leachate plume. All residents whose wells were in the impacted area are now served by public water. A Consent Order for a full remedial program was signed on March 26, 1991 which called for capping of the landfill concurrent with a Remedial Investigation /Feasibility Study (RI/FS). The RI/FS was completed in November, 1995. The Town of Huntington entered into a state assistance contract which provided for 75% grant funding of eligible costs. In December of 1991, the site boundary was modified to exclude the 12-acre leasehold property, now the site of the Town's resource recovery plant. The Interim Remedial Program (IRP) landfill cap design was completed in July of 1993 by the Town's consultant and approved for construction by the NYSDEC. A second "alternative" design was approved by the NYSDEC on August 3, 1994 and was constructed. A Record of Decision was signed in March, 1996. A public water supply protection/institutional controls remedy was selected and implemented. The landfill was capped in accordance with 6NYCRR part 360. The landfill gas collection system was upgraded to improve air quality at the landfill. An outpost well was installed to provide warning of the contaminated groundwater plume migrating toward the nearest municipal water supply well. Groundwater samples are analyzed semi-annually to monitor the landfill leachate plume. Continued management of this site is required, and is being performed by the Town. Inspection of the cap condition and integrity, and monitoring of landfill gas levels are several other ongoing components of this site's continued management. Recommended action is classification of this landfill to Class 4, and transition of this site into long term operation and maintenance.				
12. SITE IMPACT DATA a. Nearest Surface Water: Distance <u>10,000</u> ft. Direction <u>NE</u> Classification <u>Class B Sunken Meadow Creek</u> b. Nearest Groundwater: Depth <u>70</u> ft. Flow Direction <u>NE</u> <input checked="" type="checkbox"/> Sole Source <input type="checkbox"/> Primary <input type="checkbox"/> Principal c. Nearest Water Supply: Distance <u>2500</u> ft. Direction <u>NE</u> Active <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No d. Nearest Building: Distance <u>50</u> ft. Direction <u>North</u> Use <u>Commercial</u> e. In State Economic Development Zone? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N i. Controlled Site Access? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N f. Crops or livestock on site? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N j. Exposed hazardous waste? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N g. Documented fish or wildlife mortality? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N k. HRS Score <u>NA</u> h. Impact on special status fish or wildlife resource? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N l. For Class 2: Priority Category				
13. SITE OWNER'S NAME Town of Huntington		14. ADDRESS 100 Main Street, Huntington, NY 11743		15. TELEPHONE NUMBER (516) 351-3186
16. PREPARER Jeffrey E. Trad 09/08/99		17. APPROVED Earl Barcomb, Director, BHSC		
Signature <u>Jeffrey E. Trad, S.E.P., Bureau of Const. Serv.</u> Date <u>09/08/99</u> Name, Title, Organization		Signature <u>Earl Barcomb</u> Date <u>11/17/95</u> Name, Title, Organization		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 Division of Hazardous Waste Remediation
Inactive Hazardous Waste Disposal Report

Site Name: Huntington Landfill		Site Code: 152040	
Class Code: 4	Region: 1	County: Suffolk	EPA Id: NYD980506844
Address: Town Line Road		City: Huntington	
Latitude: 40 52' 42"		Longitude: 73 17' 20"	
Site Type: Landfill		Estimated Size: 54 Acres	

Site Owner / Operator Information:			
Current Owner(s) Name:	Town of Huntington		
Current Owner(s) Address:	100 Main St.	Huntington	NY 11743
Owner(s) during disposal:	Town of Huntington		
Operator(s) during disposal:	Town of Huntington		
Stated Operator(s) Address:	100 Main St.	Huntington	NY 11743
Hazardous Waste Disposal Period:	From 1935	To 1989	

Site Description:

This closed municipal landfill, located in the northwest portion of Suffolk County, has a confirmed leachate plume in the sole source aquifer. This plume has traveled at least two miles to the northeast. Private residential wells downgradient of the landfill have been contaminated with tetrachloroethylene (PCE) and landfill leachate parameters. These contaminants have also been detected in downgradient monitoring wells. There have been three phases of providing public water to residents whose wells have been or potentially will be impacted by the landfill leachate plume.

A Consent Order for a full remedial program was signed on March 26, 1991. The order calls for capping of the landfill concurrent with a Remedial Investigation/Feasibility Study (RI/FS). The Town of Huntington has entered into a state assistance contract which provides for 75% grant funding of eligible costs. In December of 1991, the site boundary was modified to exclude the 12-acre leasehold property, now the site of the Town's resource recovery plant.

The Interim Remedial Program (IRP) landfill cap design was completed in July of 1993 by the Town's consultant and approved for construction by the NYSDEC. A second "alternative" design was approved by the NYSDEC on August 3, 1994. The landfill closure system utilizing the "alternative" design (landfill cap and gas collection system) was constructed with the completion in August 1996.

Previous environmental reports of the site include a NYSDEC Phase I and numerous groundwater sampling reports by the Town's consultants. The RI/FS was completed in November, 1995. A Record of Decision was signed in March, 1996. A public water supply protection/institutional controls remedy was selected. An outpost monitoring well upgradient of the Gun Club Road public supply well was constructed in January 1997. Long-term maintenance and environmental monitoring has begun.

Confirmed Hazardous Waste Disposal:

Quantity:	
Heavy metals	unknown
Vapor degreasing	unknown
Tetrachloroethylene (PCE or "perc.")	unknown

Analytical Data Available for:	Air	Groundwater	Surface Water	Sediment
Applicable Standards Exceeded in:	Groundwater	Drinking Water	Surface Water	Air
Geotechnical Information:	Depth to			
Soil/Rock Type: Sand and gravel	Groundwater: Approximately 70 feet			

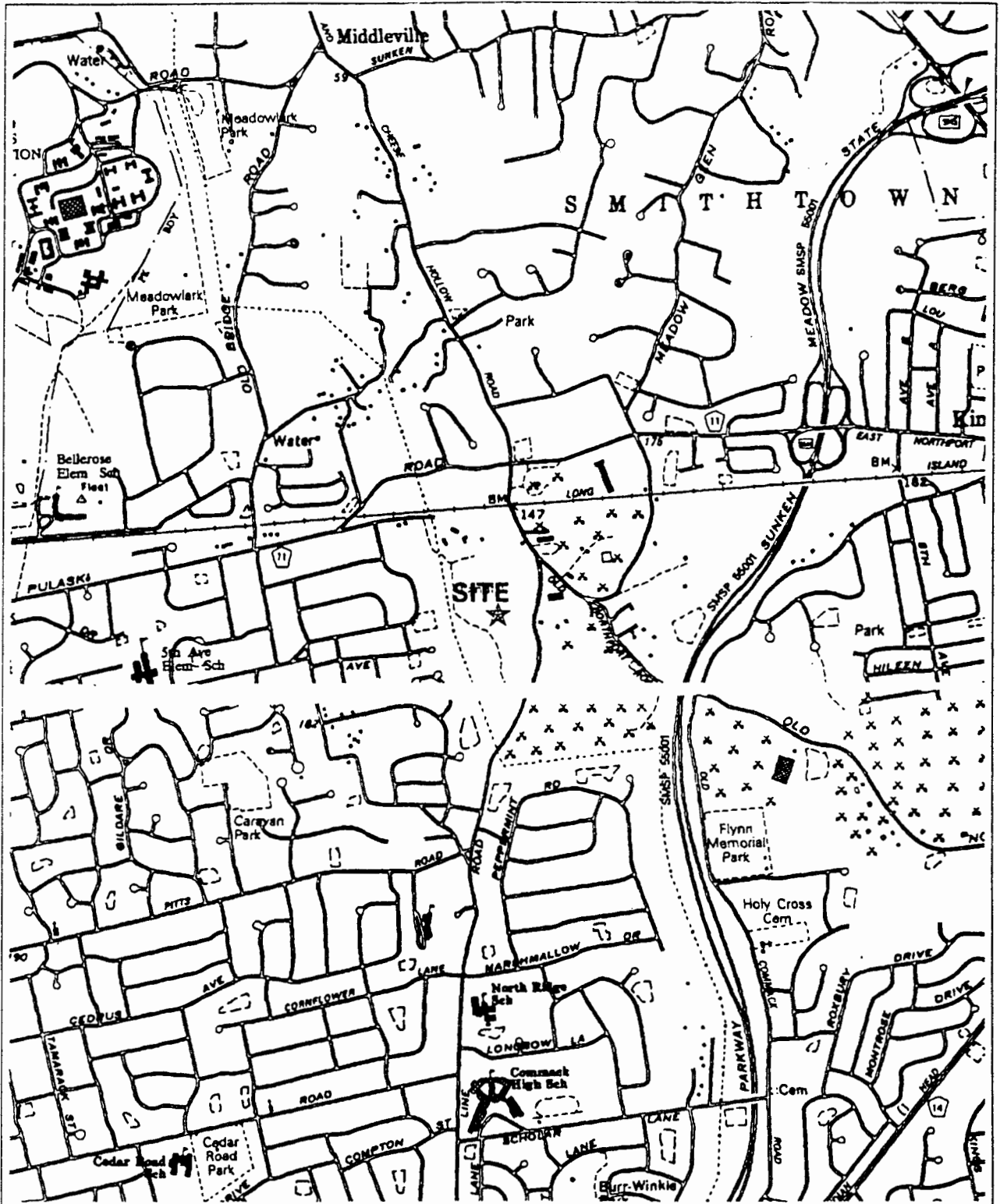
Legal Action: Type: State EQBA REM C.O.	Status: Order Signed
Remedial Action: Complete	Nature of action: Landfill cap, active gas collection and venting

Assessment of Environmental Problems:

There is confirmed groundwater contamination at this site. A contaminant plume has moved off-site and affected private drinking water wells. The plume is discharging to the head waters of Sunken Meadow Creek approximately two miles to the northeast of the site.

Assessment of Health Problems:

Downgradient monitoring wells and some private wells were contaminated with inorganic and organic compounds associated with the landfill. At the request of the New York State Department of Health, homes with private wells contaminated with site-related compounds and well threatened by contamination were connected to public water. The cap constructed on the landfill includes a gas collection/control system which will prevent the off-site migration of landfill gas. The landfill cap will be maintained on a longterm basis to ensure proper function of the gas control system.



Site Location Map

152040 Huntington Landfill

NYSDOT Planimetric Quadrangle(s):
NORTHPORT, GREENLAWN



0 500 1000 1500 2000



Scale 1:24,000

DECLARATION STATEMENT - RECORD OF DECISION

Huntington/East Northport Landfill Inactive Hazardous Waste Site Town of Huntington, Suffolk County, New York Site No. 152040

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedial action for the Huntington/East Northport Landfill inactive hazardous waste disposal site which was chosen in accordance with the New York State Environmental Conservation Law (ECL). The remedial program selected is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300).

This decision is based upon the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the Huntington/East Northport Landfill Inactive Hazardous Waste Site and upon public input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A bibliography of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened release of hazardous waste constituents from this site, if not addressed by implementing the response action selected in this ROD, presents a current or potential threat to public health and the environment.

Description of Selected Remedy

Based upon the results of the Remedial Investigation/Feasibility Study (RI/FS) for the Huntington/East Northport Landfill and the criteria identified for evaluation of alternatives the NYSDEC has selected an institutional controls and water supply protection remedy. The components of the remedy are as follows:

- The Town will place deed restrictions that will limit excavation and drilling in the capped landfill.
- Town land use controls, which will be implemented through the Town Board, will prohibit new well installations near the landfill and consequently limit exposures to landfill solids and sediments and potential exposure by the public to hazards associated with drilling new wells or coming into contact with affected groundwater.
- The Town will place physical barriers (fencing) around the landfill property to prohibit entry on to the site by the general public.
- The Town of Huntington will finance additional connections to public water supplies of residences or properties that have a private drinking water well that may be impacted or threatened in the future by the landfill leachate plume.

- A long-term monitoring program will be instituted by the Town.

New York State Department of Health Acceptance

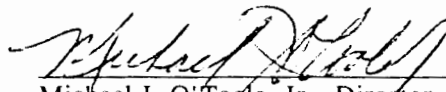
The New York State Department of Health concurs with the remedy selected for this site as being protective of human health.

Declaration

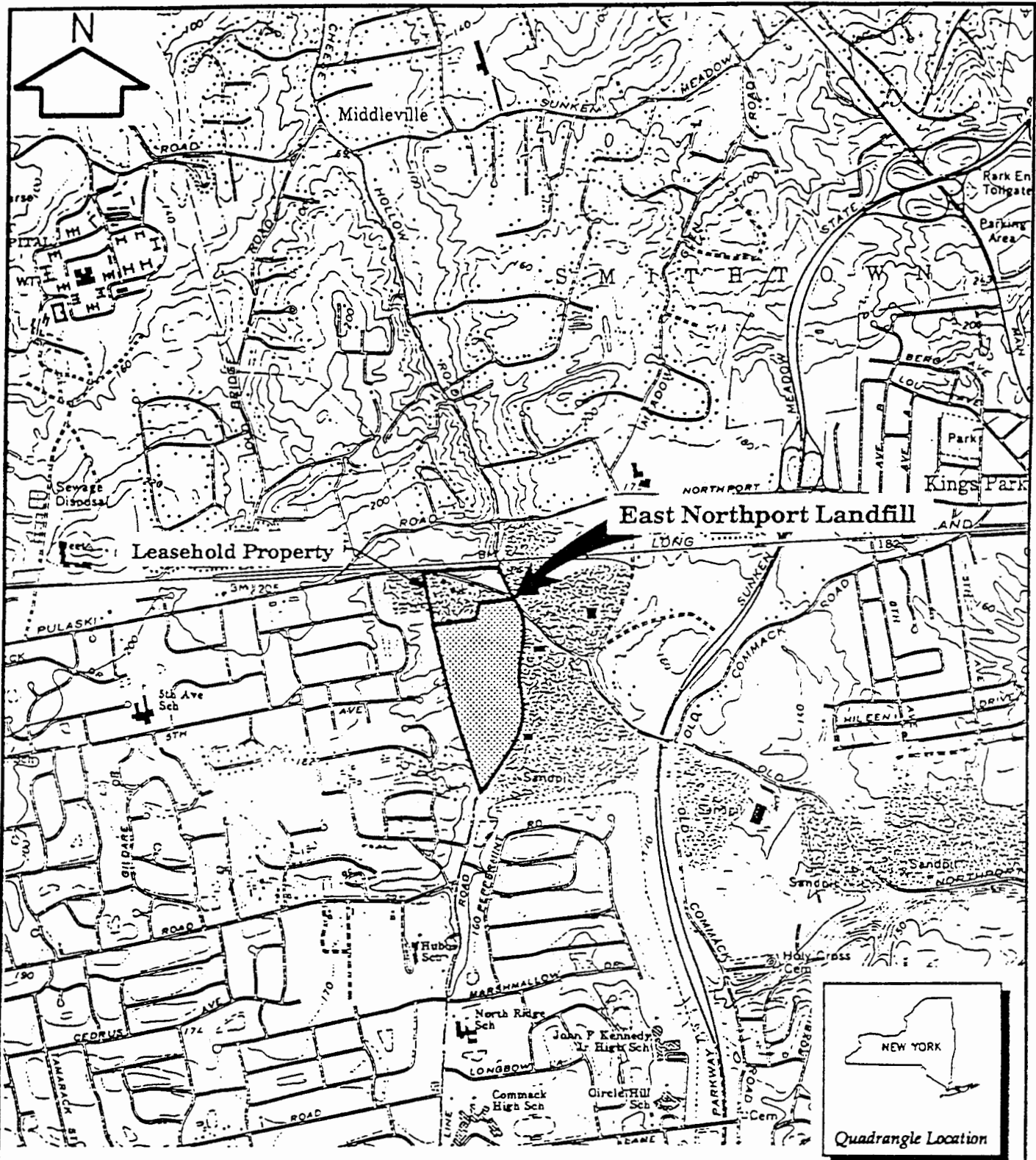
The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element. Hazardous wastes will remain on site, however, since the landfill material cannot be excavated and treated effectively.

Date

5/26/96



Michael J. O'Toole, Jr., Director
Division of Hazardous Waste Remediation



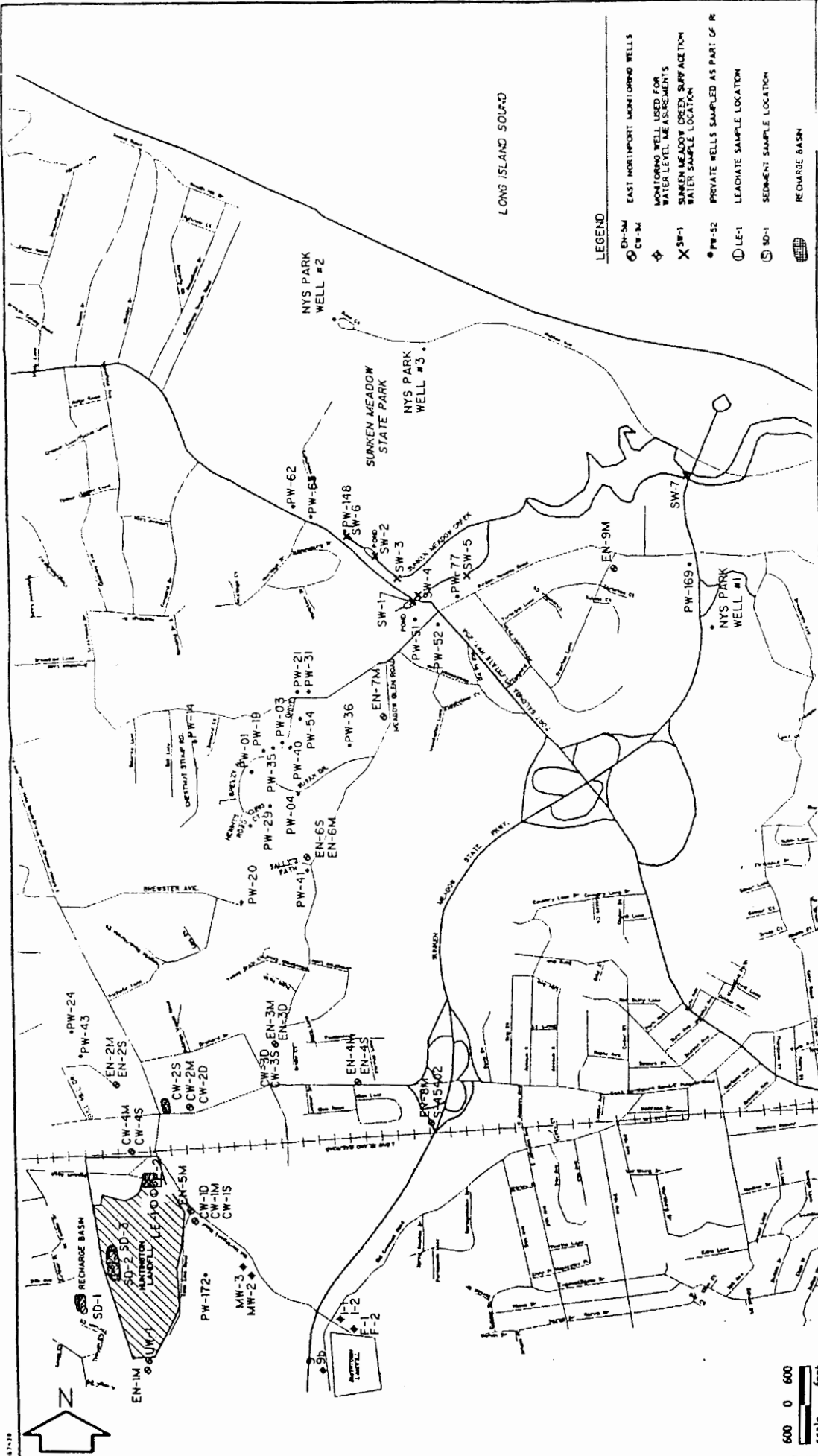
MAP SOURCE: U.S.G.S., Greenlawn, New York Quad, 1967.
 U.S.G.S., Northport, New York Quad, 1967.

CDM

environmental engineers, scientists,
 planners & management consultants

FIGURE 1
Site Location

Town Of Huntington
 Remedial Investigation For The East Northport Landfill



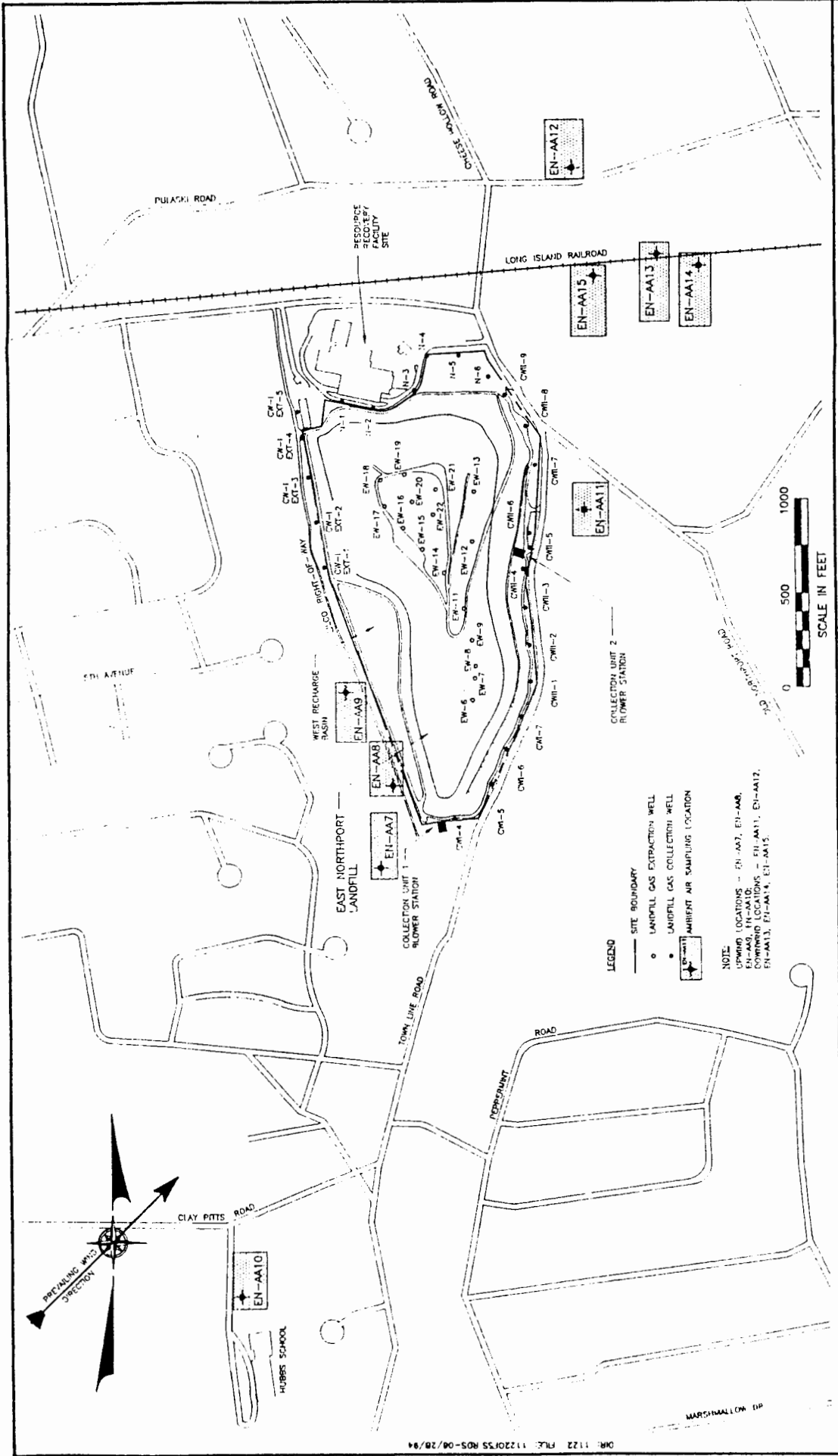
- LEGEND**
- DH-3M EAST HORTONPORT MONITORING WELLS
 - CH-3M
 - ◇ MONITORING WELL USED FOR WATER LEVEL MEASUREMENTS
 - ✕ SW-1 SUNKEN MEADOW CREEK SURFACE WATER SAMPLE LOCATION
 - PW-52 PRIVATE WELLS SAMPLED AS PART OF R
 - LE-1 LEACHATE SAMPLE LOCATION
 - SD-1 SEDIMENT SAMPLE LOCATION
 - ▭ RECHARGE BASIN

FIGURE 2
Study Area Map

Town Of Huntington
Remedial Investigation For The East Northport Landfill

600 0 600
scale feet

CDM
environmental engineers, scientists,
planners & management consultants



DMR 1122 FILE: 11220155 R05-04/28/94

EAST NORTHPORT LANDFILL GAS AND AMBIENT AIR
PHASE II REMEDIAL INVESTIGATION

OFF-SITE AMBIENT AIR SAMPLING LOCATIONS

FIGURE 3

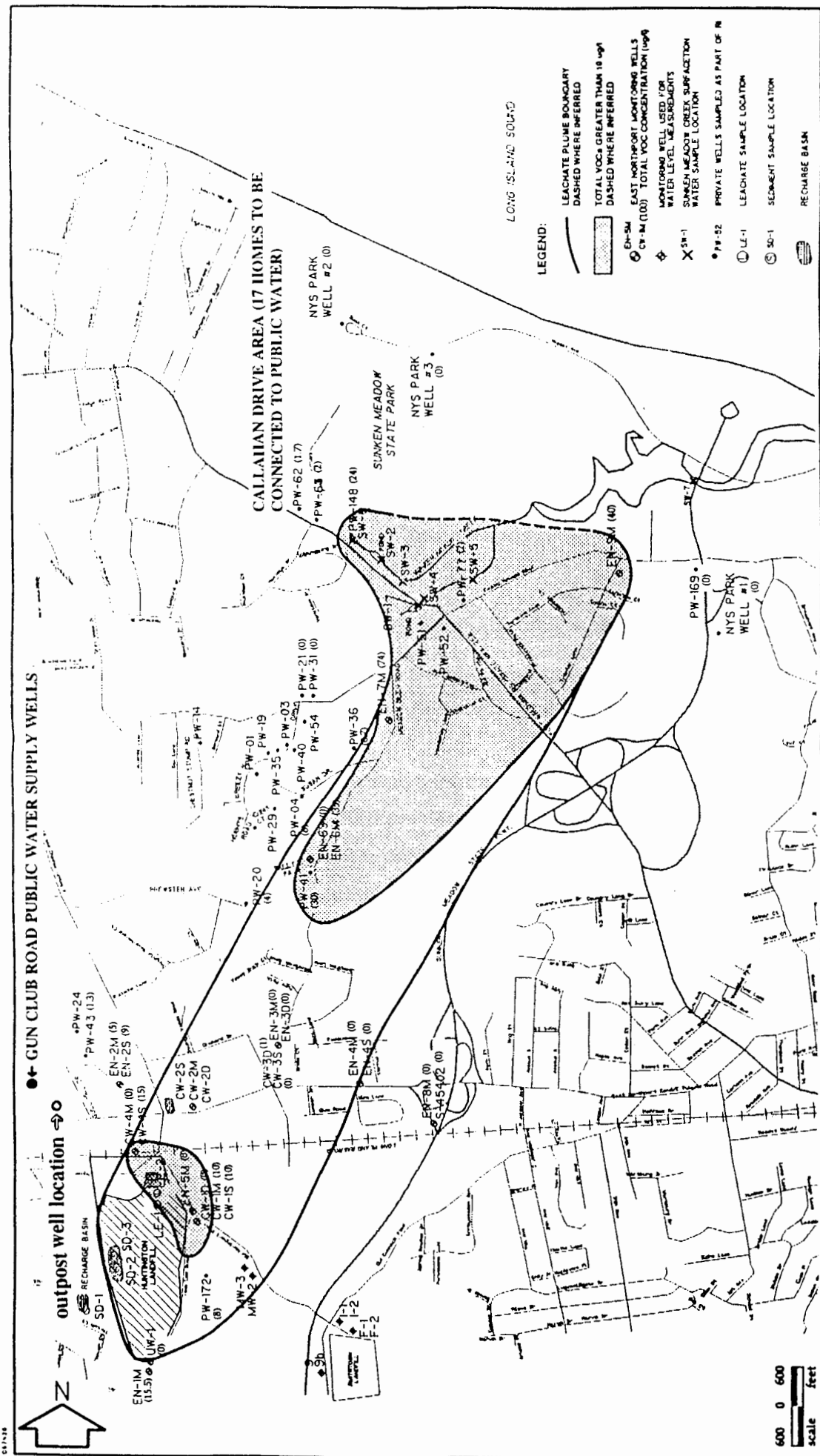


FIGURE 4
Extent Of VOCs Within Leachate Plume (Greater Than 10 µg/l)

Town Of Huntington
Remedial Investigation For The East Northport Landfill

CDM
environmental engineers, scientists,
planners & management consultants

600 0 600
scale feet

TABLE 1
Summary of Sunken Meadow Creek Sample Analysis
November 16, 1994

Location ID	SW-1	SW-2	SW-3	SW-3 (DUP)	SW-4	SW-5	SW-6
Volatile Organics							
Trichloroethylene ppb	1.00U	1.00U	1.00U	1.00U	1.00U	1.00U	1.00U
Tetrachloroethylene ppb	3.00@	4.00@	1.00@	1.00@	2.00@	5.00@	1.00U
1,2-Dichloroethene (Total) ppb	1.00U	1.00U	1.00U	1.00U	1.00U	1.00U	1.00U
Field Parameters and Inorganics							
Conductivity uS	688.00	859.00	504.00	504.00	537.00	938.00	742.00
Alkalinity (Bicarbonate) ppm	22.00	38.00	24.00	14.00	20.00	34.00	42.00
Chloride ppm	36.00	37.00	19.00	20.00	21.00	69.00	36.00
Hardness, Total As CaCO3	47.00	80.00	54.00	42.00	44.00	100.00	56.00

Notes:

- NA - Parameter Not Analyzed
- U = Analyzed for but not detected at or above the contract required quantification limit (CRQL).
- @ = Sample value exceeds NYSDEC Guidance Value for saline surface water for tetrachloroethene of 1 ppb.

TABLE 2
24 HOUR AMBIENT AIR SAMPLING RESULTS - APRIL 1994
VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	EN-AA1*	EN-AA2*	EN-AA3*	EN-AA4*	EN-AA5*	EN-AA6*	EN-AA7**	EN-AA8**	Annual Conc. (AGCs)
Acetone	21	19	19	11	15	15	13	17	14,000
2-Butanone (MEK)	ND	4.6	ND	ND	ND	ND	ND	ND	300
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	770
Tetrachloroethene (PCE)	ND	17	ND	ND	ND	ND	ND	ND	1.2
Toluene	ND	1.9	1.6	1.3	1.6	ND	ND	4.9	2,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	2,000
Trichloroethene (TCE)	ND	12	ND	ND	ND	ND	ND	ND	0.45

Qualifiers:

- ND: Analyzed for but not detected
 - * On-site sampling location
 - ** Upwind sampling
 - *** Downwind sampling location
- All units ug/cuM
AGCs - NYSDEC Annual Guideline Concentrations

TABLE 2
24 HOUR AMBIENT AIR SAMPLING RESULTS - APRIL 1994
VOLATILE ORGANIC COMPOUNDS

(Cont.)									
SAMPLE ID	EN-AA9**	EN-AA10**	EN-AA11***	EN-AA12***	EN-AA13***	EN-AA14***	EN-AA15***	Annual Conc. (AGCs)	
Acetone	14	15	17	15	7.9	26	18	14,000	
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	300	
Chloromethane	ND	ND	ND	ND	ND	0.7	ND	770	
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	1.2	
Toluene	1.2	ND	ND	ND	ND	ND	ND	2,000	
1,1,1-Trichloroethane	4.7	ND	ND	ND	ND	ND	ND	2,000	
Trichloroethene (TCE)	ND	ND	ND	ND	ND	ND	ND	0.45	

Qualifiers:
 ND: Analyzed for but not detected
 * On-site sampling location
 ** Upwind sampling
 *** Downwind sampling location
 All units ug/cuM

TABLE 3
SUMMARY OF GROUNDWATER ANALYSIS FROM SELECT WELLS
FALL 1994 OR MOST RECENT

Sample ID	NYSDEC Class GA Standards	EN-6M	EN-7M	EN-9M	PW-4I	PW-5I	PW-52	PW-148
Volatile Organics (ppb)								
Tetrachloroethene	5	24@	34@	10U	27@	12@	9@	20@
Trichloroethene	5	4J	9J@	40J@	2	0.5	0.81	4
1,2 Dichloroethene (Total)	5	6J	27	10U	5	0.50U	1.7	2
Leachate Parameters (ppm) Background								
Alkalinity	20.00	144	60	40	NA	NA	26	72
Chloride	19.50	223	151	80	165	NA	38	113
Sulfate	29.93	108	131	14.80	57	NA	28.2	142
Hardness	73.72	350	281	112	NA	68.90	95.6	244
Conductivity uS	286.00	910	1340	878	853	170	217	773

Notes:

- @ = Sample value exceeds NYSDEC Class GA Standard of Guidance Value
- J = Estimated Due to Variance from Quality Control Limits
- U = Result Less than Contract Required Detection Limit
- NA = Not Analyzed
- ppb = parts per billion
- ppm = parts per million

6.0 Construction Certification Report

Prepared for

Town of Huntington
Department of Environmental Control
100 Main Street
Huntington, New York 11788

On Behalf of

Cashin Associates, P.C.
1200 Veterans Memorial Highway
Hauppauge, New York 11788

FINAL REPORT
CONSTRUCTION QUALITY ASSURANCE
HUNTINGTON/EAST NORTHPORT LANDFILL
FINAL CLOSURE SYSTEM
SUFFOLK COUNTY, NEW YORK



Prepared by

GEOSYNTEC CONSULTANTS
1100 Lake Hearn Drive N.E., Suite 200
Atlanta, Georgia 30342
Project Number GQ3700



JULY 1996

VOLUME I

7. SUMMARY AND CONCLUSIONS

Construction of the H/EN Landfill was carried out during the period of November 1994 through June 1996. During this time, GeoSyntec provided an on-site CQA personnel to monitor the construction of the final cover. As part of their CQA activities, CQA personnel monitored the construction and installation of the following components of the cell:

- earthwork components of the cover system; and
- geosynthetics components of the cover system.

During construction, CQA personnel verified that QA/QC testing was performed on the constructed materials at the frequencies specified in the project specifications, and that materials meeting the project specifications requirements were used. CQA personnel also verified that conditions or materials identified as not conforming to the project specifications were replaced, repaired, and/or retested.

The results of the CQA activities undertaken by GeoSyntec and described in this report indicate that the final cover of the H/EN Landfill was constructed in accordance with the project specifications.



sol *ali Khader*
 Daniel A. Schauer, P.G.
 CQA Project Manager

Kenneth W. Cargill
 Kenneth W. Cargill, P.E.
 CQA Project Engineer
 P.E. Registration No. 070357

CERTIFICATION REPORT
for
Town of Huntington
Interim Remedial Program
Huntington/East Northport Landfill Closure

Prepared for the
Town of Huntington
Suffolk County, New York



1996

VOLUME I

Cashin Associates, P.C.
Engineers and Architects

1200 Veterans Memorial Highway, Hauppauge, New York 11788 - (516) 348 - 7600
601 Brickell Key Drive, Suite 606, Miami, Florida 33131 - (305) 579 - 2006
50 Tice Boulevard, Woodcliff Lake, New Jersey 07675 - (201) 930 - 1600

SECTION 2 PROJECT DESCRIPTION

The Huntington/East Northport Landfill is an inactive permitted solid waste landfill located in Suffolk County, New York. The project consisted of two interrelated work activities designated as WC-1 and WC-2.

- WC-1 Landfill Closure : required the removal of refuse in selected areas, regrading of existing sideslopes and construction of the landfill capping system: and

- WC-2 Perimeter Landfill Gas Collection System : required the demolition of two existing blower stations and portions of the existing gas collection system and the installation of a new perimeter gas collection system and its interconnection with portions of the existing landfill gas collection system.

The project covered a total of approximately 48 acres.

The components of the installed landfill cover system consist of (from top to bottom):

- erosion control fabric and hydroseed mixture;

- 6" thick topsoil layer;

- 18" thick select fill layer with a single geogrid embedded in the center;

- geonet composite drainage layer on portions of the slope;

- 40-mil thick textured very low density polyethylene (VLDPE) geomembrane liner;

- geonet composite gas venting layer;

- minimum 8" thick common fill layer.

**GAS COLLECTION SYSTEM
AT
HUNTINGTON LANDFILL**

CERTIFICATION OF LANDFILL GAS COLLECTION AND MONITORING SYSTEM.

SCOPE OF WORK UNDER THE GENERAL CONTRACT:

The scope of work for the Huntington Landfill gas collection and monitoring system included but not limited:

- to the connection of new landfill gas collections system the existing landfill gas collection system at two header locations and various collection wells.
- install new monitoring and collection wells at various locations as shown on the certification plans.
- retrofit existing monitoring wells with new valves and well casings as shown on the plans.

GENERAL DESCRIPTION OF THE LANDFILL GAS SYSTEM

The Town of Huntington Landfill Gas collection system consists of gas vents, gas collection wells and gas monitoring systems. The gas collection system consists of 51 monitoring wells around the periphery of the landfill. Most of the wells are location on Town line road and around the property fence line. The collection system also comprises of east bound an west bound collection wells looped to a central blower system located on the south side of the landfill. The collection wells are located outside the limit of the landfill toe. The blower system consists of two blower units. at any given time , only one unit is in operation. However the unit is designed in such a way that both systems can be in operation. The east bound (EB) collection well system consist of 17 wells. The west bound (WB) collection wells consists of 15 collection wells. Both east bound and west bound collection wells are designed with condensate traps located on the main header pipe. Isolation valves are also located on the main header piping to isolate a section of the header piping.

LANDFILL GAS COLLECTION SYSTEM

New buried 14" thru 6 inch Schedule 80 PVC gas header was installed on the west, south east and most of the north sides of the project. Two new condensate traps were installed east side and the other on the south east. All condensate traps are piped with new piping and valves. The existing condensate drains are refurbished with new gravel drains. All condensate traps manhole covers were replaced with new covers. A new isolation valve is installed on the main gas header pipe on the north side of the header pipe.

Condensate Traps

The condensate traps are precast concrete structures as indicated on the plans. The trap has a gas inlet and outlet section and a discharge carrier pipe for the condensate. The traps are designed to drain all condensate by gravity in condensate collection structure. The traps are designed for isolation from the main header pipe in case of repair and maintenance.

Quality Control

CA personnel observed the placing the header pipe and backfilling. All equipment was inspected prior to the installation and placement in accordance with the plans.

Collection wells

Five Collection wells were installed on the west side of the landfill. These wells are identified as NW wells. Five collection wells were modified under the contract. The wells are equipped with new precast structures and new manway covers. The collection wells are equipped with separate isolation valves. The collection wells are installed in accordance with the plans.

Quality Control

CA personnel observed the installation of the new collection wells and placement of the header pipe inside the collection wells and backfilling the collection well outside. All equipment was inspected prior to the installation and placement in accordance with the plans.

Monitoring Wells

Under the contract the old monitoring wells were refurbished with new valves, identification tags and new monitoring well protective casing as identified on the plans. Two monitoring wells were installed under the contract. The wells were installed to the exact depths as called for on the plans.

Quality Control

CA personnel observed the installation of the new monitoring wells and placement bentonite seal around the well casing and proper backfilling the monitoring well casing outside. All equipment was inspected prior to the installation and placement in accordance with the plans.

7. SUMMARY AND CONCLUSIONS

Construction of the H/EN Landfill was carried out during the period of November 1994 through June 1996. During this time, CA provided an on-site CQA personnel to monitor the overall construction of the final cover. As part of their CQA activities, CQA personnel monitored the construction and installation of the following components of the cell:

- general site work
- landfill gas collection
- landfill gas monitoring system

During construction, CQA personnel verified that QA/QC testing was performed on the constructed materials at the frequencies specified in the project specifications, and that materials meeting the project specifications requirements were used. CQA personnel also verified that conditions or materials identified as not conforming to the project specifications were replaced, repaired and/or retested.

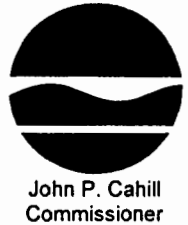
The results of the CQA activities undertaken by CA and described in this report indicate that the final cover of the H/EN Landfill was constructed in accordance with the project specifications.



Eshwar Kosuri, PE
Project Engineer
Registration No.: 61875-1

A. Sylvester

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 252
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-8807 • FAX: (518) 457-8989
Website: www.dec.state.ny.us



DEC 31 1999

This letter was sent to the people on the attached list.

Dear :

The Department of Environmental Conservation (DEC) maintains a Registry of sites where hazardous waste disposal has occurred. Property located at Town Line Road in the Town of Huntington and County of Suffolk and designated as Tax Map Numbers 128-5-7, 128-5-8 and 129-5-11.1 was recently reclassified as a Class 4 in the Registry. The name and site I.D. number of this property as listed in the Registry is Huntington Landfill, Site #152040.

The Classification Code 4 means that the site is properly closed - requires continued management.

We are sending this letter to you and others who own property near the site listed above, as well as the county and town clerks. We are notifying you about these activities at this site because we believe it is important to keep you informed.

If you currently are renting or leasing your property to someone else, please share this information with them. If you no longer own the property to which this letter was sent, please provide this information to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

The reason for this recent classification decision is as follows:

- There have been three phases of providing public water to residents whose wells have been or potentially will be impacted by the landfill leachate plume. All residents whose wells were in the impacted area are now served by public water.

A Consent Order for a full remedial program was signed on March 26, 1991 which called for capping of the landfill concurrent with a Remedial Investigation/Feasibility Study (RI/FS) was completed in November, 1995. The Town of Huntington entered into a state assistance contract which provided for 75% grant funding of eligible costs. In December of 1991, the site boundary was modified to exclude the 12-acre leasehold property, now the site of the Town's resource recovery plant. The Interim Remedial Program (IRP) landfill cap design was completed in July of 1993 by the Town's consultant and approved for construction by the NYSDEC. A second "alternative" design was approved by the NYSDEC on August 3, 1994 and was

constructed. A Record of Decision was signed in March, 1996. A public water supply protection/institutional controls remedy was selected and implemented.

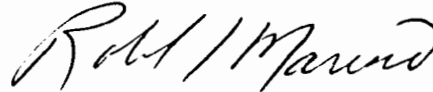
The landfill was capped in accordance with 6NYCRR Part 360. The landfill gas collection system was upgraded to improve air quality at the landfill. An outpost well was installed to provide warning of the contaminated groundwater plume migrating toward the nearest municipal water supply well.

Groundwater samples are analyzed semi-annually to monitor the landfill leachate plume. Continued management of this site is required, and is being performed by the Town. Inspection of the cap condition and integrity, and monitoring of landfill gas levels are several other ongoing components of this site's continued management.

If you would like additional information about this site or the inactive hazardous waste site remedial program, call:

DEC's Inactive Hazardous Waste Site Toll-Free Information Number 1-800-342-9296 or New York State Health Department's Health Liaison Program (HeLP) 1-800-458-1158, ext. 6402.

Sincerely,



Robert L. Marino
Chief
Site Control Section

bcc: R. Marino
J. Swartwout
W. Parish, R/1
M. Lowery, R/1
J. Pavacic, R/1
A. Sylvester
A. Carlson
L. Ennist
G. Rider
J. Baier, SCDH

AS/srh

A. Sylvester

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 252
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-0747 FAX: (518) 457-8989



John P. Cahill
Commissioner

DEC - 9 1999

Town of Huntington
100 Main Street
Huntington, NY 11743

Dear Sir/Madam:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (NYSDEC) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.: 152040
Site Name: Huntington Landfill
Site Address: Town Line Road, Huntington, NY 11731

Classification change from 2 to 4

The reason for the change is as follows:

- There have been three phases of providing public water to residents whose wells have been or potentially will be impacted by the landfill leachate plume. All residents whose wells were in the impacted area are now served by public water.

A Consent Order for a full remedial program was signed on March 26, 1991 which called for capping of the landfill concurrent with a Remedial Investigation/Feasibility Study (RI/FS) was completed in November, 1995. The Town of Huntington entered into a state assistance contract which provided for 75% grant funding of eligible costs. In December of 1991, the site boundary was modified to exclude the 12-acre leasehold property, now the site of the Town's resource recovery plant. The Interim Remedial Program (IRP) landfill cap design was completed in July of 1993 by the Town's consultant and approved for construction by the NYSDEC. A second "alternative" design was approved by the NYSDEC on August 3, 1994 and was constructed. A Record of Decision was signed in March, 1996. A public water supply protection/institutional controls remedy was selected and implemented.

The landfill was capped in accordance with 6NYCRR Part 360. The landfill gas collection system was upgraded to improve air quality at the landfill. An outpost well was installed to provide warning of the contaminated groundwater plume migrating toward the nearest municipal water supply well.

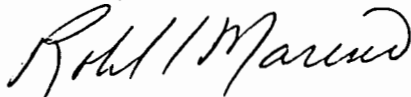
Groundwater samples are analyzed semi-annually to monitor the landfill leachate plume. Continued management of this site is required, and is being performed by the Town. Inspection of the cap condition and integrity, and monitoring of landfill gas levels are several other ongoing components of this site's continued management.

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Environmental Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

John P. Cahill
Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

For additional information, please contact me at (518) 457-0747.

Sincerely,



Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Environmental Remediation

Enclosures

bcc: E. Barcomb
R. Marino
J. Swartwout
A. Sylvester

w/Enc. (Copy of Site Report form only)

A. Grant
A. Carlson, DOH
S. Ervolina
K. Murphy, R/1
W. Parish, R/1
G. Rider
J. Baier, SCDH



Bob

New York State Department of Environmental Conservation

MEMORANDUM

TO:
FROM:
SUBJECT:
DATE:

Earl Barcomb, Director, Bureau of Hazardous Site Control
 Robert C. Knizek, Chief, Eastern Field Services Section
 THRU: H. Richard Koelling, Director, Bureau of Construction Services
 Site #1-52-040, Huntington Landfill Site, Suffolk County

Robert C. Knizek
HRK

SEP 08 1999

Using the State Superfund, Title 3, the Town of Huntington has successfully implemented the remedial work at the Huntington Landfill Site. Remedial work at the referenced site was performed in accordance with the approved remedial plan, consent order and the March 1996 NYSDEC Record of Decision and is now considered complete. The site is now in the O&M phase.

It is proposed to reclassify the site from a class 2 "significant threat to the public health or environment - action required" to a class 4 "site properly closed - requires continued management".

This proposal is based on the fact that the landfill has been properly closed, groundwater and landfill gas monitoring is ongoing and the residents whose wells were effected by the contaminant plume have been connected to public water.

Supporting documentation including 1.0) Site Investigation Information form; 2.0) registry sheets; 3.0) a copy of the March 1996 NYSDEC Record of Decision; 4.0) figures depicting site location and site plan; 5.0) data summary tables; 6.0) the title page and the certification page of the July 1996 Construction Quality Assurance Report from GeoSyntec and the title page and the certification page of the 1996 Construction Certification Report by Cashin Associates for the construction completion for the landfill closure.

If you have any questions, please call Jeff Trad at 7-9285.

Attachment

cc: w/o att.: T. Quinn
 R. Cowen - NYSDEC, Region 1
 W. Parish - NYSDEC, Region 1

SEP - 8 1999

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 252
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-9538 FAX: (518)457-8989



John P. Cahill
Commissioner

*OK
E. Keeler
11/1/99*

MEMORANDUM

TO: Jerry Rider *[Signature]*
FROM: Carl Hoffman *[Signature]*
SUBJECT: Huntington Landfill, Site Code #1-52-040
DATE: October 21, 1999

The classification package for the Huntington (East Northport) Landfill proposing that this site be made a class 4 has been reviewed, and it is recommended that you concur with this action.

This landfill was capped in accordance with Part 360 regulations, landfill gas is actively collected to maintain air quality, impacted groundwater users have been connected to public water supplies, a sentinel well has been installed to forewarn the nearest municipal supply and the Town will provided continued management of this landfill.

The Town of Huntington currently submits landfill gas monitoring reports as part of a landfill gas migration control program for this landfill.

The Record of Decision also requires the semi-annual sampling of eleven groundwater monitoring wells and seven surface water locations. Most recently, a semi-annual groundwater and surface water sampling report dated April 1999 was submitted by the Town and a copy of the most recent sampling summary table is attached for current information on groundwater quality. The VOCs exceeding groundwater standards in April 1999 are highlighted.

Three large three ring binders are on hand for this site, which comprise the three volume operation and maintenance manual prepared for this site by Cashin Associates.

Considering that monitoring reports are being submitted, and that an O&M manual is on file, this landfill appears to be ready for transition into a long term operation and maintenance mode. If you have any questions, or would like to discuss this matter further, please let me know.

