Site Summary & Work Plan Package

Vapor Intrusion Evaluations for New York State Remedial Sites

Huntington Landfill Site

NYSDEC Site ID # 1-52-040

Town of Huntington
Suffolk County

NYSDEC Project Manager: Strang

NYSDOH Project Manager: Mitchell

NYSDEC field investigations conducted to determine if there is soil vapor contamination at the site and to determine the extent to which these contaminants pose a threat to human health and the environment.

Soil gas investigations performed in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

Site Information Summary for Triage Sites

Huntington Landfill
Site code: 152040

Locality: Suffolk (C) Huntington (T)

Site class: 04

Site Address:
Town Line Road
Huntington

Bureau: BURA

DEC Manager: Strang

DOH Manager: Mitchell

Data Needs

Groundwater	Soil	Soil vapor
☐ Depth (ft)	☐ Depth	☐ Depth
☐ Conc (ppb)	☐ Conc	☐ Conc
☐ Extent	☐ Extent	☐ Extent

Site contact information:

Contact: _____ Phone: _____

Address: _____ Fax: _____

_____ Email: _____

_____

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. Monitoring reports are regularly submitted on this site by the Town.

DOH assessment:

Downgradient monitoring wells and some private wells were contaminated with inorganic and organic compounds associated with the landfill. Homes with private wells contaminated with site-related compounds or threatened by the groundwater contaminant plume migrating from the landfill have been connected to public water. The cap constructed on the landfill includes a gas collection/control system to prevent the off-site migration of landfill gas. The landfill cap will be maintained on a long-term basis to ensure proper function of the gas control system.

Operable units:

OU: **01** REMEDIAL PROGRAM ROD year: **1996** Bureau: **BURA**

VOCs present?	CVOCs present?	CVOC in groundwater (ug/L)	List volatile chemicals of concern (including non-CVOCs)
y	y		TETRACHLOROETHYLENE (PCE OR "PERC.")

CVOC in soil (ppm) | Depth to max soil conc (ft)

Remedy	Remedy comments	Date completed
6 NYCRR Part 360 Cap		March 1996
Plume MAnagement Monitoring		July 2004

Site Information Summary for Triage Sites

Huntington Landfill
Site code: 152040 **Locality:** Suffolk (C) Huntington (T) **Site class:** 04

OU: **02A** IRM WATER ROD year: **N/A** Bureau: **BURA**

VOCs present?	CVOCs present?	CVOC in groundwater (ug/L)	List volatile chemicals of concern (including non-CVOCs)
y	y		TETRACHLOROETHYLENE (PCE OR "PERC.")

CVOC in soil (ppm) Depth to max soil conc (ft)

Remedy Remedy comments Date completed

Depth to water table (ft): 70
Are CVOCs present in water table aquifer? u
Soil type:
Is contamination overlain by clean groundwater?
Plume size (L x W):
Is there an off-site plume?

Analytical data available:

	Date
☐ Soil	
☐ Groundwater	
☐ Soil vapor	
☐ Sub-slab	
☐ Indoor air	
☐ Outdoor air	

Potential receptors:

Land use (onsite):
Adjacent land use:
Number of structures:
Distance to nearest structure (ft):
Est. number of impacted structures(offsite):
Sensitive receptors?

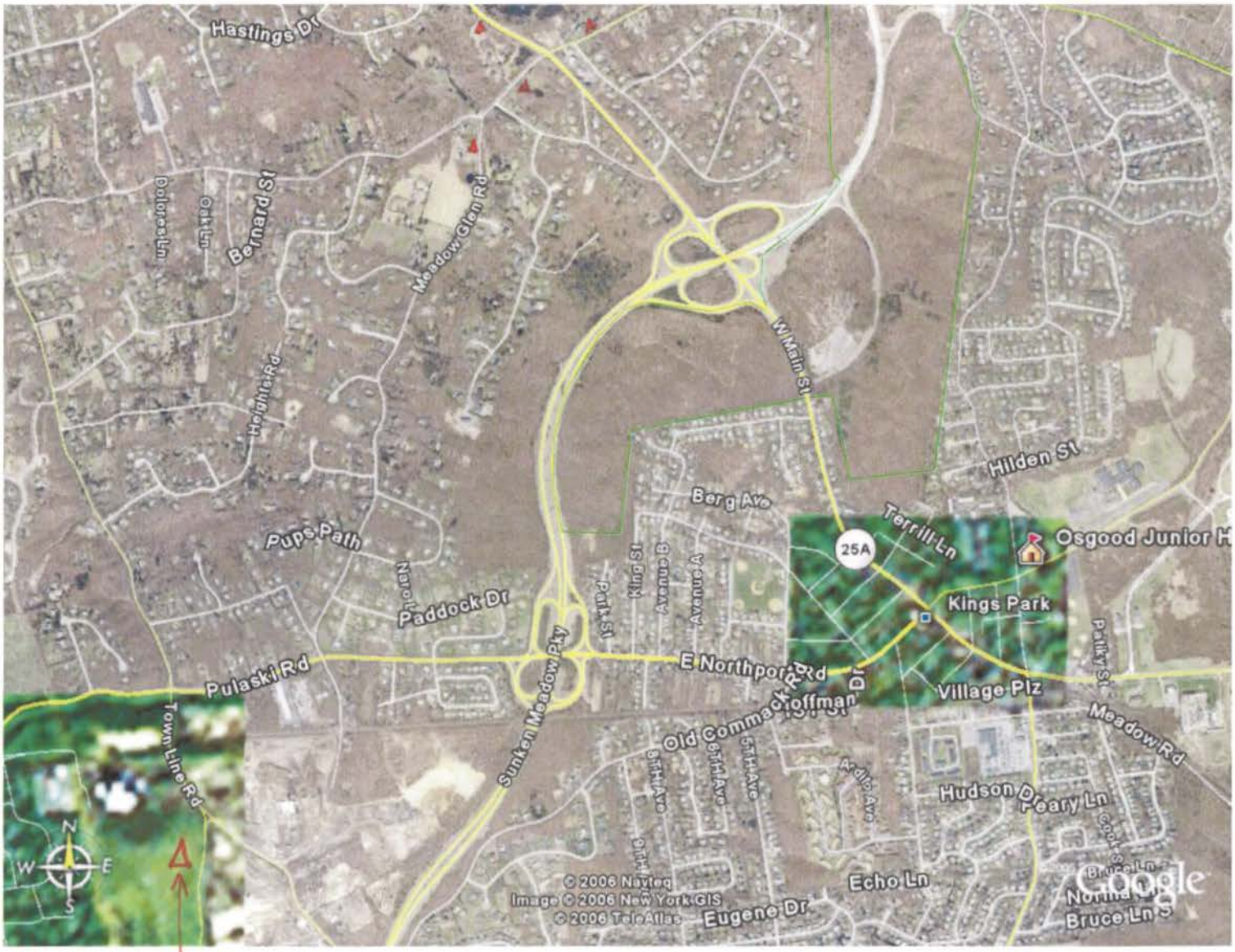
Construction type
☐ Slab-on-grade ☐ Other
☐ Basement
☐ Crawlspace

Future on-site land use:

Comments:

Note: Attach site map showing proposed sampling locations and copies of most recent sampling data.

4 Proposed SVI Locations



HUNTINGTON LF
152040


SPINNAKER
HASTINGS
WILLIAMSBURG
152040-V
YORKTOWN
UNNAMED STREET
152040-V
UNNAMED STREET
152040-V
SUNKEN MEADOW
152040-V
TARLETON
TRUESDALE
TRUXTON
UNNAMED STREET
UNNAMED STREET
BREEZY HILL
152040-V
MEADOW GLEN
EN7-M
WOOD HOLLOW
MEADOWOOD
OLD ROUTE 25A
FORT SALONGA
TANYARD
TRESCOTT
RAMP
RAMP