

NEWYORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
 Operation Maintenance and Monitoring Review Report
 Period covered by -- 2003

Site / Spill Number : 152040		Site Name: Huntington Landfill		Class: 04	
Program Lead: Hazardous Waste Program			OM&M Funding Source: Title3		
Start Date : 03/01/1996		ACT			
Annual IC/EC Certification :					
DEC Inspection Date: 03/05/2004		--- Last Date of DEC Inspection			
Report Used for Evaluation: Monthly LF Gas Monitoring & Quarterly Site Inspection, Semi-annua					
ROD Compliance ? YES		Consent order/Decree Compliance ? YES			
LongTerm Monitoring(effectiveness of remedy): Yes		Frequency: Bi-Annually		Act. Date: / /	
Treatment System(Monitoring performance of remedy): Yes		Frequency: None Required		Pln. Date: 04/01/2004 #wells : 45	
PROBLEM STATUS : 99A		----- None			
Evaluation : The Remedy is performing properly and is effective.					
Comments/ Changes/ Attachments: 2003: As many as 15,000 metal lobster traps are stored at the Landfill. In Feb. 2004 the Town requested permission to store these traps and got Dept. approval in April 2004. The traps are stored in orderly fashion at several locations next to the site fence and do not rest on any part of the 360 cap. Monthly landfill methane gas concentrations continue to decline.					
ROD/Consent Order Modifications?		NO			
Site reclassification recommended :		None			
Contaminant of concern	OU	Contaminant of concern	Media/Receptor		
	01	HEAVY METALS	Air,Ground Water,Surface water,Drinking		
	01	VAPOR DEGREASING	Air,Ground Water,Surface water,Drinking		
	01	PCE	Air,Ground Water,Surface water,Drinking		
Remedies	OU	Remedies	Size of Treatment	Date in Place	Remedy Effective
	01	6 NYCRR Part 360 Cap	Large (>50 gpm or >30 acres)	03/01/1996	Yes
	01	Plume MAnagement Monitoring		/ /	Yes

Next Review 04/01/2005		Priority: 0	
Project Manager STRANG		Reviewer: Yavonditte	
Signature <i>John Strang</i> Date 04/21/2004		Signature <i>J. Yavonditte</i> Date 4/23/04	
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Site No. 152040, Huntington Landfill, Town of Huntington, Suffolk County

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 03/26/91. The order calls for capping of the landfill concurrent with the Remedial Investigation / Feasibility Study (RI/FS). The Town of Huntington entered into a state assistance contract which provides for 75% grant funding of eligible costs. In December 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 1993 by the Town's consultant and approved for construction by the NYSDEC. A second "alternative" design was approved by the NYSDEC on 08/03/94. 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. This site has been identified as a vapor intrusion legacy site. A vapor intrusion evaluation has been conducted.

DOH Health Assessment

Down gradient 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.

DER Environmental Assessment

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.

In February 2005 this site was identified by DEC as one needing further evaluation for vapor intrusion. The evaluation involved a review of available historic groundwater and soil gas data and has been supplemented with additional field work to check existing site conditions and collect groundwater and soil gas samples from new locations down gradient of the site for further analysis. The results indicate that no further action is required because known or potential exposures down gradient of the landfill are not the result of a site-related or upgradient source.