



# FACT SHEET

## State Superfund Program

Receive Site Fact Sheets by *Email*. See "For More Information" to Learn How.

**Site Name:** Mill Neck Marina

**February 2012**

**DEC Site #:** 130166

**Site Address:** Hernan Avenue

Oyster Bay (Locust Valley), New York 11560

### **Field Investigation Underway at State Superfund Site; Results Will Help to Evaluate Ways to Address Contamination**

The NYS Department of Environmental Conservation (NYSDEC), on October 18, 2011, began a detailed environmental study at Mill Neck Marina ("site") located at Hernan Avenue, Oyster Bay (Locust Valley), Nassau County, New York. Please see the map for the site location. Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information". The site is listed as a Class "2" site in the State Registry of Inactive Hazardous Waste Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required. NYS DEC has posted warning signs on the property boundaries to notify the public of the site hazards and deter trespassing onto the site.

**State Superfund Program:** New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit:  
<http://www.dec.ny.gov/chemical/8439.html>

#### **Investigation Work Plan**

The investigation work plan, the "Site Specific Field Activity Plan for the Remedial Investigation /Feasibility Study at Former Mill Neck Marina," was approved on September 27, 2011. The NYS DEC is conducting the investigation under New York's State Superfund Program. The investigation will assess conditions on-site (and if appropriate, off-site).

#### **Highlights of the Site Investigation**

The site investigation has several goals:

- 1) Define the nature and extent of contamination in soil (surface and subsurface), sediment, groundwater and any other parts of the environment that may be affected;
- 2) Identify the source(s) of the contamination;
- 3) Assess the impact of the contamination on public health and the environment; and
- 4) Provide information to support the development of a proposed remedy to address the contamination.

## **Investigation Activities Performed**

- 1.) Soil borings and temporary well points were installed on-site for the purpose of collection of soil and groundwater samples for analysis;
- 2.) Sediment samples were collected for analysis from the Oak Neck Creek; and
- 3.) A Fish and Wildlife Impact Analysis is being conducted.

## **Health Exposure Assessment**

Contact with contaminated soil is possible if people dig into the ground surface below the grass level. People are not drinking contaminated water as a public water supply serves the area. People may come into contact with contaminants present in the shallow creek sediments while entering or exiting the creek during recreational activities. Volatile organic compounds in the groundwater or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Sampling does not indicate soil vapor intrusion is a concern on or off-site.

## **Next Steps**

Four (4) groundwater monitoring wells are to be installed on-site to identify possible contaminant source areas.

The information collected during the investigation will be summarized in a "Remedial Investigation Report". After the remedial investigation has been completed, the NYSDEC will conduct a "Feasibility Study". The feasibility study uses information developed during the investigation to develop and evaluate potential ways to clean up contamination related to the site. Clean up alternatives will be screened and analyzed in accordance with NYSDEC regulations, standards, and guidance. Another possibility is that the information collected during the site investigation may support the conclusion that no action is needed to address site-related contamination.

NYSDEC then develops a draft cleanup plan, called a "Proposed Remedial Action Plan". This plan describes the remedy preferred by NYSDEC, or a no action alternative. The draft cleanup plan summarizes the decision that led to the preferred remedy by discussing each alternative and the reasons for choosing or rejecting it. The goal of the plan will be to ensure the protection of public health and the environment. NYSDEC will present the draft cleanup plan to the public for its review and comment during a 30-day comment period and at a public meeting.

The NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

## **Background**

The site is approximately 1.4 acres in size and comprises 23 individual tax lots, according to the Nassau County Assessor's office. The site was a marina from at least 1953 until its abandonment in 2001. The site is currently vacant. The marina reportedly contained boat storage, maintenance, and painting areas, gasoline storage, and dispensing facilities resulting in onsite soil and groundwater being contaminated with heavy metals, including mercury and lead. A 2004 sub-surface

investigation determined the presence of heavy metal contamination in the soil and groundwater on site which met the definition for characteristic hazardous waste.

## **Preliminary Findings**

Soil samples collected in October 2011 confirmed elevated levels of heavy metals in surface and subsurface soils, as well as in sediments at Oak Neck Creek. Soil data confirmed copper, mercury, arsenic, zinc and lead exceeded Unrestricted Soil Cleanup Objectives (SCOs) levels at the site. Semi-volatile organic compounds (SVOCs) also exceeded Unrestricted SCOs in the on-site soils. No volatile organic compounds (VOCs) were detected in the soil above SCOs with one exception of Acetone, a known lab artifact, detected in one VOC sample interval. Groundwater data confirmed two VOCs, methylene chloride and acetone, that exceeded NYSDEC Class GA Criteria at the site. Acetone, a known lab artifact, was detected in one temporary monitoring well. Please see the attached map (Figure 1) for sample locations.

Additional site details are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=130166>

## **FOR MORE INFORMATION**

### **Where to Find Information**

Project documents are available at the following location(s) to help the public stay informed. These documents include the investigation site specific field activities plan for the Remedial Investigation / Feasibility Study at Former Mill Neck Marina.

Oyster Bay – East Norwich Public Library  
89 East Main Street  
Oyster Bay, New York 11771  
Phone = (516) 922-1212  
Hours: Mon, Tue, Thur 9:30am-9pm  
Wed 10am-9pm, Fri 9:30am-6pm  
Sun 1pm-5pm (Closed Sun in Jul and Aug)

### **Who to Contact**

Comments and questions are always welcome and should be directed as follows:

#### Project Related Questions

Kuldeep Gupta  
Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233  
[kxgupta@gw.dec.state.ny.us](mailto:kxgupta@gw.dec.state.ny.us)

#### Site-Related Health Questions

Sharon McLelland  
New York State Department of Health  
Bureau of Environmental Exposure Investigation  
Flanigan Square, 547 River Street  
Troy, New York 12180-2216  
(518) 402-7880  
[bee@health.state.ny.us](mailto:bee@health.state.ny.us)

**We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.**

### **Receive Site Fact Sheets by Email**

Have site information such as this fact sheet sent right to your email inbox.

NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page:

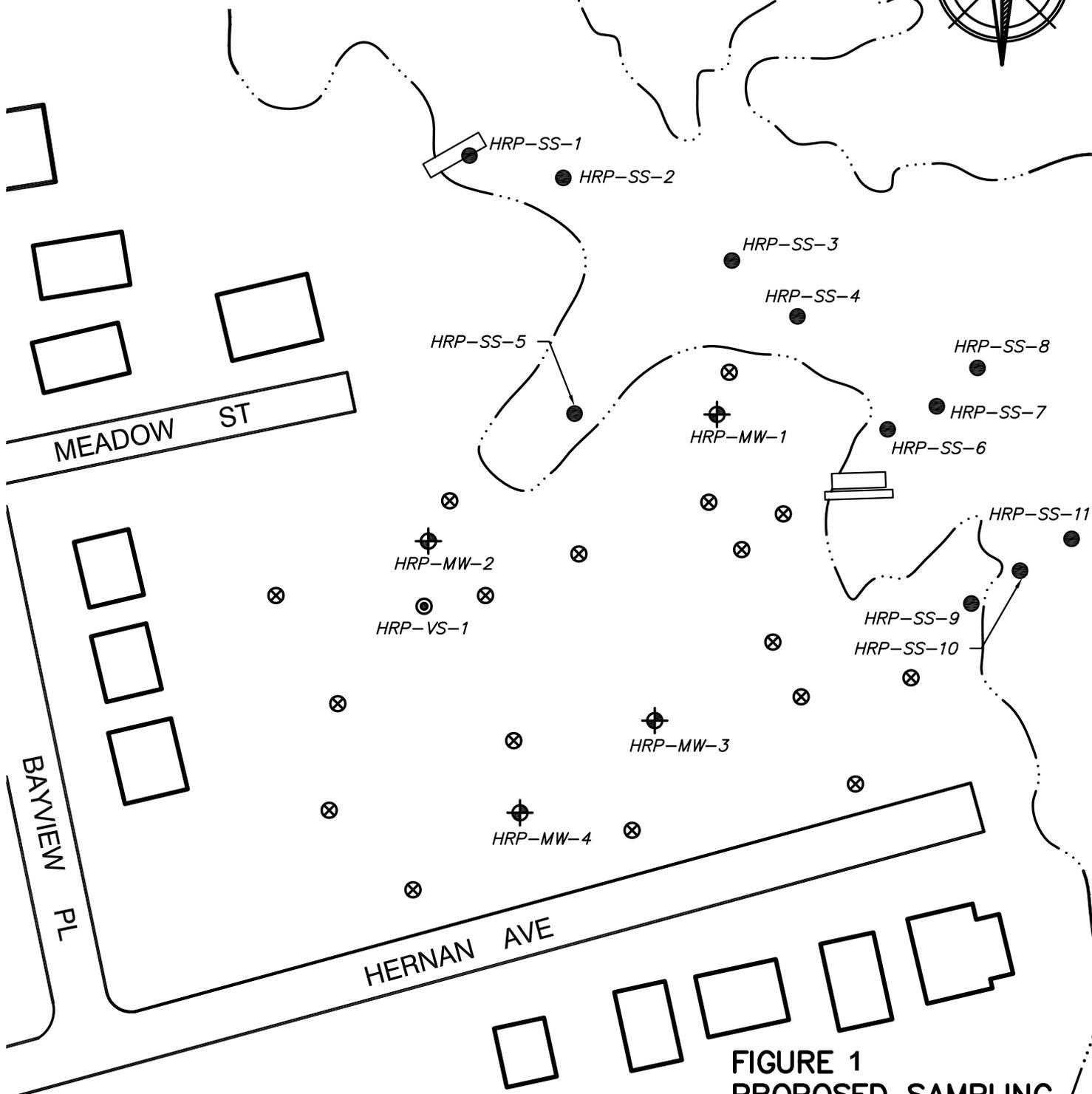
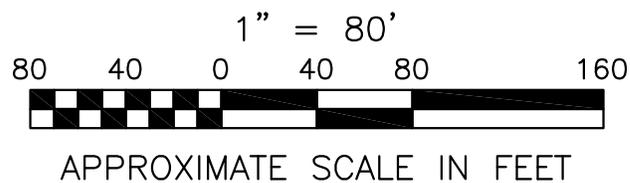
<http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

You may continue also to receive paper copies of site information for a time after you sign up with a county listserv, until the transition to electronic distribution is complete.

Note: Please disregard if you already have signed up and received this fact sheet electronically.



**LEGEND**

- - SEDIMENT SAMPLE
- ⊕ - MONITORING WELL
- ⊗ - SOIL SAMPLE / GROUNDWATER SAMPLE
- ⊙ - VAPOR SAMPLE

*NOTE:*  
 REPLACEMENT MONITORING WELLS HRP-MW-1 THROUGH HRP-MW-4 WILL ONLY BE INSTALLED IF EXISTING MONITORING WELLS CANNOT BE LOCATED

**FIGURE 1  
 PROPOSED SAMPLING LOCATIONS  
 FORMER MILL NECK MARINA SITE  
 HERNAN AVE.  
 LOCUST VALLEY, NY  
 HRP# NEW9626.P2  
 SCALE: 1" = 80'**