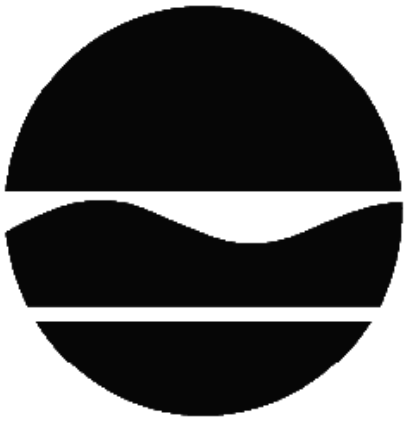
DECISION DOCUMENT

East Hampton Hortonsphere Site
East Hampton, Suffolk County
Site No. 152213
January 2014



Prepared by
Division of Environmental Remediation
New York State Department of Environmental Conservation

DECLARATION STATEMENT – DECISION DOCUMENT

East Hampton Hortonsphere Site
East Hampton, Suffolk County
Site No. 152213
January 2014

Statement of Purpose and Basis

This document presents the remedy for the East Hampton Hortonsphere site, a Class A inactive hazardous waste disposal site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and applicable guidance.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (the Department) for the East Hampton Hortonsphere site and the public's input to the proposed remedy presented by the Department.

Description of Selected Remedy

Based on the findings of the investigation of the site, and the interim remedial measure conducted at the site, the site does not pose a threat to public health and the environment. Therefore, the selected remedy is No Action. Contaminants include hazardous wastes and/or petroleum.

New York State Department of Health Acceptance

The New York State Department of Health concurs that the remedy for this site is protective of human health.

Declaration

The selected remedy conforms with promulgated standards and criteria that are directly applicable, or that are relevant and appropriate and takes into consideration Department guidance, as appropriate. The remedy is protective of public health and the environment.

February 6, 2014

Date

James B. Harrington, P.E., Director
Remedial Bureau A

DECISION DOCUMENT

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East Hampton, Suffolk County
Site No. 152213February 2014

SECTION 1: SUMMARY AND PURPOSE OF THE PROPOSED PLAN

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), is proposing a remedy for the above referenced site. Based on the findings of the investigation of the site, and the implementation of an interim remedial measure (IRM), the past disposal of hazardous material at the site does not pose a threat to public health and the environment. Therefore, the selected remedy is No Action.

This document presents the remedy for the East Hampton Hortonsphere site, a Class A (active) inactive hazardous waste disposal site. The remedial program was chosen in accordance with the New York State Environmental Conservation Law and applicable guidance. This document is a summary of the information that can be found in the site-related reports and documents.

SECTION 2: CITIZEN PARTICIPATION

The Department seeks input from the community on all remedies. A public comment period was held from May 11, 2011 through June 9, 2011 on the draft IRM work plan, during which the public was encouraged to submit comment on the proposed remedy. No formal comments were received. Site-related reports and documents were made available for review by the public at the following document repository:

NYSDEC – Region 1
SUNY @ Stony Brook
50 Circle Road
Stony Brook, NY 11790
Monday – Friday, 8:30am-4:45pm
By appointment
(631) 444-0240

East Hampton Public Library
159 Main Street
East Hampton, NY 11937
Call for hours
(631) 324-0222

Receive Site Citizen Participation Information By Email

Please note that the Department's Division of Environmental Remediation (DER) is "going paperless" relative to citizen participation information. The ultimate goal is to distribute citizen participation information about contaminated sites electronically by way of county email listservs. Information will be distributed for all sites that are being investigated and cleaned up in a particular county under the State Superfund Program, Environmental Restoration Program,

Brownfield Cleanup Program, Voluntary Cleanup Program, and Resource Conservation and Recovery Act Program. We encourage the public to sign up for one or more county listservs at http://www.dec.ny.gov/chemical/61092.html

SECTION 3: SITE DESCRIPTION AND HISTORY

Site Location: The East Hampton Hortonsphere site is located at the intersection of Fresno Place and Railroad Avenue in the Town of East Hampton, Suffolk County.

Site Features: The site is approximately 1.74 acres in size and is located in a mixed commercial/residential area. From approximately 1931 until 1943 gas was stored on-site in a gasometer. In 1943, the gasometer was replaced with a larger storage vessel called a hortonsphere which was used to store natural gas. There is also an electrical substation located on the site.

Current Zoning/Use(s): The parcel is currently zoned for commercial use. Surrounding land uses are mixed industrial/commercial/residential. The Long Island Railroad's East Hampton train station is directly across the street to the north.

Historic Use(s) and Source(s) of Contamination: The site has been used for the storage of gas since 1931. Most recently, the hortonsphere stored natural gas which was distributed to local businesses and homes. The hortonsphere was dismantled in December 2013. Prior to being decommissioned, periodic maintenance of the exterior of the hortonsphere (sand blasting and painting) resulted in lead based paint chips and paint dust coming in contact with surface soil. Consequently, surface soil had been found to contain elevated levels of lead.

Site Geology/Hydrogeology: Depth to groundwater is approximately 41' below land surface (bls). Subsurface lithology is comprised of approximately 2' of fill material underlain by approximately 7' of sand/silt/gravel. Below this unit, sand and gravel extend to a known depth of 55' bls, the maximum depth of soil borings at the site. The site specific groundwater flow direction is southeast.

A site location map is attached as Figure 1.

SECTION 4: LAND USE AND PHYSICAL SETTING

The Department may consider the current, intended, and reasonably anticipated future land use of the site and its surroundings when evaluating a remedy for soil remediation. For this site, alternatives that restrict the use of the site to residential use (which allows for residential use, restricted-residential use, commercial use and industrial use) as described in Part 375-1.8(g) were evaluated.

A comparison of the results of the investigation to the appropriate standards, criteria and guidance values (SCGs) for the identified land use for the site contaminants is included in the Site Characterization Report.

SECTION 5: ENFORCEMENT STATUS

Potentially Responsible Parties (PRPs) are those who may be legally liable for contamination at a site. This may include past or present owners and operators, waste generators, and haulers. Under aMulti-site Order on Consent (Index No. A1-0595-08-07) the KeySpan Gas East Corp. is required to address on-site and off-site contamination. Accordingly, no enforcement actions are necessary.

SECTION 6: SITE CONTAMINATION

6.1: Summary of the Site Characterization

A Site Characterization (SC) has been conducted. The purpose of the SC was to determine if the site posed a threat to public health and the environment. The field activities and findings of the investigation are described in the SC Report.

The following general activities are conducted during a SC:

- Research of historical information,
- Geophysical survey to determine the lateral extent of wastes,
- Test pits, soil borings, and monitoring well installations,
- Sampling of waste, surface and subsurface soils, groundwater, and soil vapor.

The analytical data collected on this site includes data for:

- groundwater
- soil
- soil vapor

6.1.1: Standards, Criteria, and Guidance (SCGs)

The remedy must conform to promulgated standards and criteria that are directly applicable or that are relevant and appropriate. The selection of a remedy must also take into consideration guidance, as appropriate. Standards, Criteria and Guidance are hereafter called SCGs.

To determine whether the contaminants identified in various media are present at levels of concern, the data from the SC were compared to media-specific SCGs. The Department has developed SCGs for groundwater, surface water, sediments, and soil. The NYSDOH has developed SCGs for drinking water and soil vapor intrusion. For a full listing of all SCGs see: http://www.dec.ny.gov/regulations/61794.html

6.1.2: SC Results

The data have identified contaminants of concern. A "contaminant of concern" is a hazardous waste that is sufficiently present in frequency and concentration in the environment to require evaluation for remedial action. Not all contaminants identified on the property are contaminants of concern. The nature and extent of contamination and environmental media requiring action are summarized in the SC Report. Additionally, the SC Report contains a full discussion of the data. The contaminant of concern identified at this site is:

- lead

The contaminant of concern exceeds the applicable SCG for:

- soil

6.2: Interim Remedial Measures

An interim remedial measure (IRM) is conducted at a site when a source of contamination or exposure pathway can be effectively addressed before issuance of a Decision Document.

The following IRM has been completed at this site based on conditions observed during the SC.

IRM

Surface soil has been impacted with lead contamination from lead based paint chips during maintenance (sand blasting) of the surface of the hortonsphere. The vertical and horizontal extent of soil contamination was delineated prior to the IRM via a soil sampling program. Thereafter, an IRM work plan was prepared and the remedial program was undertaken in April 2013. Contaminated soil was excavated and disposed of off-site at a permitted disposal facility (Figure 2). A total of 130.88 tons of contaminated soil was removed from the site and transported off-site for proper disposal.The excavated area was restored by placing filter cloth at the base of the excavation and stone ballast (#3 dolostone) was used to backfill the area to original grade . A Construction Completion Report (CCR), dated October 2013, was prepared which documents the IRM activities. The CCR was approved on October 30, 2013.

6.3: Summary of Environmental Assessment

This section summarizes the assessment of existing and potential future environmental impacts presented by the site. Environmental impacts may include existing and potential future exposure pathways to fish and wildlife receptors, wetlands, groundwater resources, and surface water.

Based upon the resources and pathways identified and the toxicity of the contaminants of ecological concern at this site, a Fish and Wildlife Resources Impact Analysis (FWRIA) was deemed not necessary for OU 01.

Nature and Extent of Contamination:

Remediation at the site is complete. Prior to remediation, the primary contaminant of concern was lead in soil. The site was fully characterized and SCG soil exceedances for lead were observed at multiple sample locations, though exceedances were limited to the immediate proximity of the former hortonsphere. Soil samples revealed lead levels as high as 1,220 parts per million (ppm) in surface soil (0 to 6") in areas beneath the hortonsphere.

An IRM was undertaken in April 2013 which included excavation of lead contaminated soil with off-site disposal to a permitted disposal facility. Soil in the affected area was removed to a depth of six inches below grade and restored.

Supplemental soil sampling delineated the areal extent of soil contamination in the vicinity of the hortonsphere. Lead levels in subsurface soil (below 6") were found to be below the Part 375 Residential Use Soil Cleanup Objective (SCO) of 400 ppm and the Protection of Groundwater SCO of 450 ppm. There is no groundwater impacts associated with the surface soil contamination.

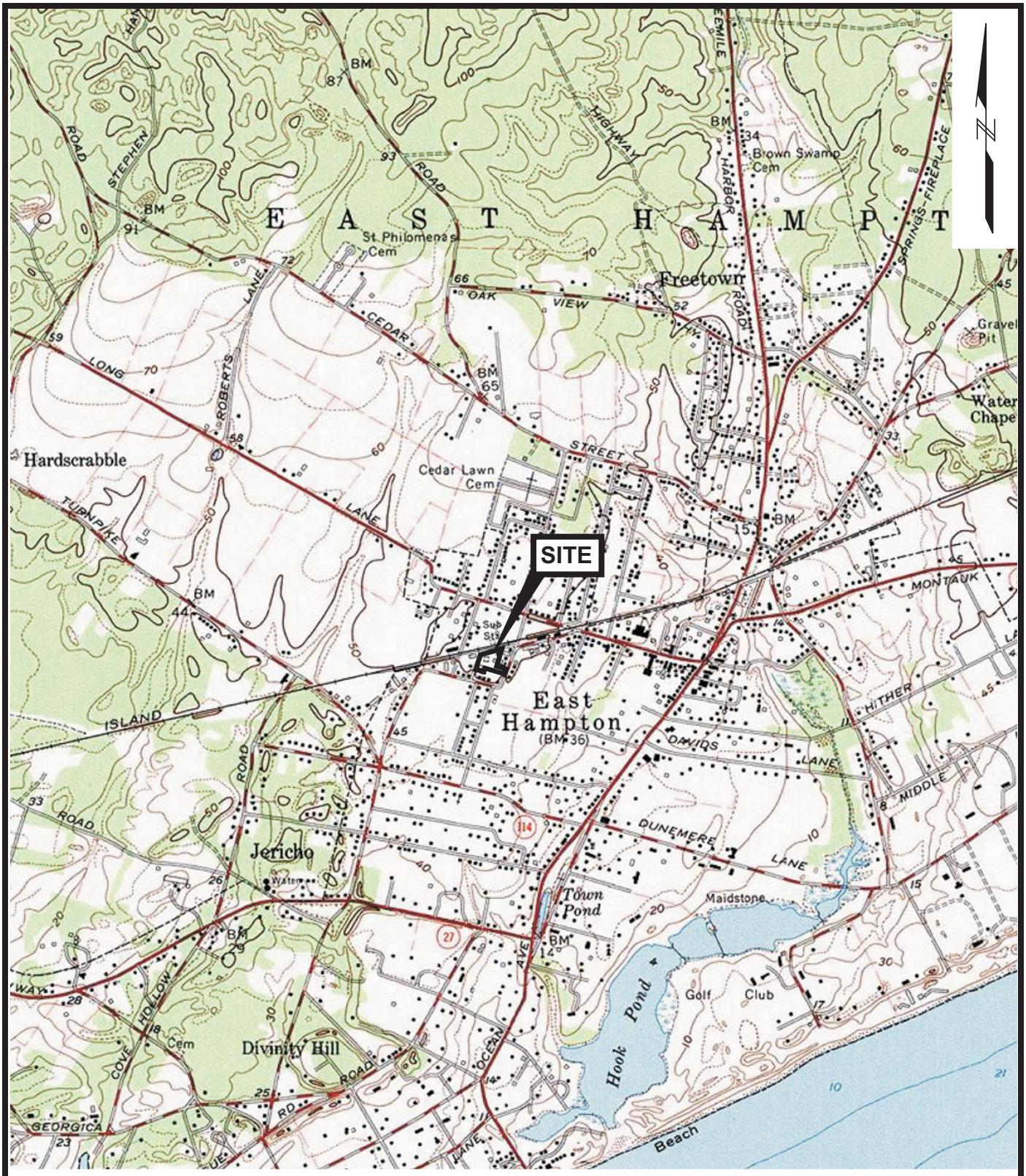
6.4: Summary of Human Exposure Pathways

This human exposure assessment identifies ways in which people may be exposed to site-related contaminants. Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure*.

Remedial actions completed at the site have eliminated all potential exposures to site-related contamination.

SECTION 7: SUMMARY OF SELECTED REMEDY

The IRM soil removal resulted in reducing lead levels in on-site soil to levels which are below the Residential Use SCO. Results are documented in a Construction Completion Report dated October 2013. No further remedial actions are necessary and no institutional controls or engineering controls are required. This supports the selected remedy of No Further Action. The site will be reclassified by the Department from Class A (active) to Class C (remediation complete).



SOURCE: Map created with TOPO! ® ©2001 National Geographic (www.nationalgeographic.com/topo)

SITE CHARACTERIZATION REPORT
EAST HAMPTON HORTONSPHERE SITE
EAST HAMPTON, NEW YORK

nationalgrid

GEI Consultants

Project 093000-2-1201

SITE LOCATION MAP

February 2010 Figure 1

I:\GEI\National Grid\East Hampton\EH Hortonsphere\093000\East Hampton Location Map.CDR

LEGEND:

PROPERTY BOUNDARY (APPROXIMATE)

EXISTING SECURITY FENCE

CLEAR AND GRUB AROUND AND BENEATH HORTONSPHERE, REMOVE TOP 6 INCHES OF SOIL AND RE-GRADE, PLACE CLEAN STONE BALLAST

EHS-SS-01 △ SURFACE SOIL SAMPLE

EHS-GW-01 ⊕ GROUNDWATER MONITORING WELL

NOTE:

LOCATIONS OF SURFACE SOIL SAMPLES EHS-SS-04, EHS-SS-05, AND EHS-SS-06 ARE BASED ON TAPED MEASUREMENTS FROM KNOWN POINTS.

SOURCES:

1. Orthophoto obtained from New York State Interactive Mapping Gateway (http://www1.nysgis.state.ny.us/MainMap.cfm) photo date: 2004, accessed 1/09/08.
2. Long Island Lighting Co., Mineola, N.Y., East Hampton Substation and Gas Storage Site, Situated at East Hampton, Town of East Hampton, County of Suffolk, N.Y., Scale: 1" = 60', Date: 10-17-72.
3. Survey of existing conditions and sample locations conducted by GEI Consultants, Inc. on 12/14/07. Survey by New York state licensed land surveyor number 050146. Horizontal datum: New York State Plane coordinate system (Long Island Zone, North American Datum (NAD)83). Vertical datum: North American Vertical Datum (NAVD) 88.

0 60 120

SCALE, FEET

CONSTRUCTION COMPLETION REPORT
EAST HAMPTON HORTONSPHERE SITE
EAST HAMPTON, NEW YORK

nationalgrid

GEI Consultants

SITE PLAN

Project 102870-1-1104 | October 2013 | Figure 2

I:\Project\National Grid\East Hampton\EH Hortonsphere\Construction Completion Report\Construction Completion Report - F2_10-2013.dwg