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Site Record

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Administrative Information

Site Name: Riverhead - Hortonsphere Site

Site Code: 152216

Program: State Superfund Program

Classification: N *

EPA ID Number:

Location

DEC Region: 1

Address: S/S West Main Street (River Road)

City: Riverhead **Zip:** 11901

County: Suffolk

Latitude: 40.913476

Longitude: -72.687611

Site Type:

Estimated Size: 0.07 Acres

Site Owner(s) and Operator(s)

Site Description

National Grid has entered into an administrative consent order with the NYSDEC to evaluate environmental conditions at a number of non-MPG gas sites in NYC and LI. Location: The Former Riverhead Hortonsphere site is located near the Peconic River, south of West Main Street, in the township of Southampton, Suffolk County, New York. The southern boundary of the site abuts a

LIPA power transmission station. The northern boundary abuts the Peconic River. Site Features: The site encompasses approximately 0.07-acres of a 39-acre parcel. The Site is vacant and consists of a semi-secured, grass and wooded undeveloped lot. The Site is located in an area of commercial and residential land use, but is relatively isolated. An electric transmission pole is in the center of the Site and an underground high-pressure gas main traverses the Site. A stormwater channel draining water from the road to the Peconic River is located on the northwestern portion of the Site. Current Zoning/Use: The Site itself is zoned open space conservation (OSC) district. OSC land includes, but is not limited to golf courses, tennis courts, nature preserves, hunting reserves, parks, and recreational areas. Buildings are not allowed on OSC land except for structures relating to these uses that have been approved by the Town of Southampton Planning Board. Historic use (s) and source (s) of contamination: The Hortonsphere, which was an above ground spherical manufactured gas and natural gas storage vessel, began operations sometime prior to 1944 and was dismantled and removed in 1998. The Site has been undeveloped since. Site Geology/Hydrogeology: The grass and tree covered Site is generally flat. Topographic elevations range from approximately 9 feet above the North American Vertical Datum (NAVD) to 13 feet NAVD. Site groundwater was encountered from approximately 1 to 2.5 feet below ground surface. Based on data collected from site monitoring wells, groundwater at the Site flows approximately north, northeast towards the Peconic River at a gradient of approximately 0.02 feet per foot. GEI prepared a Site Characterization Work Plan (SCWP) in December 2007 and a supplemental SCWP in May 2009. The SCWPs were approved by NYSDEC in letters dated December 14, 2007 and June 10, 2009. GEI conducted the Site Characterization field work between December 10 and 18, 2007, on March 4, 2008, on September 10, 2008, and on August 6, 2009 in accordance with the SCWPs. A final Site Characterization (SC) report was prepared by National Grid to document the procedures and results of the SC that was implemented at the site. The report was approved by the Department on February 9, 2011. No further action based on Site Characterization. The Department issued a release letter to National Grid on January 30, 2012.

Site Environmental Assessment

Based upon the Site Characterization (SC) that was conducted at the site, no surface or subsurface soil contaminants were detected in excess of the Residential Soil Cleanup Objectives (SCOs). Two metal compounds, Chromium (6.5 mg/kg) and Lead (338.0 mg/kg) as well as Dieldrin, 4,4-DDE, and 4,4-DDT, were detected above the Ecological SCOs in soils but did not exceed the range of background concentrations for the eastern United States. Iron, lead, and sulfide were detected above the SCGs for groundwater. Iron and sulfide are naturally occurring and represent natural background conditions. Lead was only detected at one sample location and is not of site-wide

concern. As a result of the shallow groundwater at the site, which was encountered between 1 to 2.5 below grade, soil vapor could only be sampled at one location. BTEX and other VOCs were detected at low levels. Because no evidence of a release to the surface soils, subsurface soils, groundwater, or soil vapor at the site was found related to the former Hortonsphere or otherwise, risk to human health and the environment is minimal. These levels in soil are below Residential SCOs. An evaluation of whether a FWRIA would be required was performed. The findings determined that due to the exceedingly low levels of Compounds of Potential Concern (COPCs), a FWRIA was not required.

*** Class N Sites:** "DEC offers this information with the caution that the amount of information provided for Class N sites is highly variable, not necessarily based on any DEC investigation, sometimes of unknown origin, and sometimes is many years old. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

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