

THYPIN STEEL PLANT



Project Size:
\$2,000,000+
Project Service Dates:
October 2005 - Present
Project Location:
Manorhaven, New York



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Project Description:

- The Former Thypin Steel site is an 11-acre vacant land parcel located on Manhasset Bay in Manorhaven (Long Island), New York. The site is a former Department of Defense operations and manufacturing facility, with a known 50+ year history of airplane and seaplane manufacturing and industrial operations. The surrounding area is densely populated, and there is a great deal of interest in developing this very desirable waterfront property.
- A chlorinated volatile organic compound (CVOC) groundwater contaminant plume is present beneath the Thypin Steel site and extends offsite to an adjoining property and into Manhasset Bay. As with all CVOC groundwater contaminant plumes, the Thypin Steel contaminant plume is also migrating vertically downward. Thypin Steel has entered into a Voluntary Clean-up Agreement with the New York State Department of Environmental Conservation (NYSDEC). A Soil Vapor Extraction (SVE) Unit equipped with Air Sparging (AS) is currently operating at the site to remediate the CVOC contaminant plume.

Project Work Task Included:

- review and evaluation of historical site characterization and remediation documentation
- evaluation and analysis of on-site and off-site vapor intrusion hazards
- evaluation and analysis of on-site and off-site CVOC contaminant plume
- remediation work plan design and preparation
- vapor suppression barrier design
- enhanced reductive dechlorination (ERD) well design
- vapor abatement SVE engineering & design support
- coordination with NYSDEC and the Village of Manorhaven
- support for cost recovery and litigation support
- site closure, soil gas and groundwater monitoring
- engineering and institutional controls design

