

Project Title and Location: #2 Fuel Oil Release, Amesbury, Massachusetts.

Scope of Services Demonstrated by this

Project: Phase II. IRA, Wetlands Permitting, Land Survey, Method 3 Risk Characterization and Ecological Stage 1 Screening.

Project Description: Approximately 1,500 gallons of #2 heating oil were released from an underground fuel line to an aboveground storage tank within the basement of the residence. The released oil impacted the soil beneath the concrete floor of the basement and migrated with groundwater to a nearby property and wetland resource area. During initial investigations, oil broke out from a bank to a neighbor's property. At that time, the DEP was notified of the release by the neighbor and a clean up contractor and LSP were hired by the homeowner's oil company to initiate Immediate Response Actions. Upon completion of IRAs, which included the removal of more than 5000 cubic yards of soil from both properties and sediment from the resource area, and mobile



groundwater treatment of several thousand gallons of impacted groundwater, the site was classified a Tier II Disposal Site.

After the initial response actions were completed, Vineyard (formerly Cyprus) was contracted to initiate a Phase II Comprehensive Site Assessment of the two properties and wetland resource area. The Phase II investigation included installation of borings and/or monitoring wells, a soil gas survey to evaluate potential indoor air issues, and collection of sediment and surface water samples from the wetland resource area. Quarterly groundwater monitoring was then conducted to assess groundwater quality in the area of the release. This information was used to complete an IRA Completion Statement, Method 3/Stage 1 Ecological Risk Assessment, and a Phase II Comprehensive Site Assessment/Response Action Outcome Statement for to the site.