



## **EXECUTIVE SUMMARY**

This application is submitted by Thermo Electron Metallurgical Services for property located in west Houston near the intersection of Memorial Drive and Waugh Drive. The designated property includes multiple adjacent parcels within an area generally bounded by Dickson Street (north), Jackson Hill Street (east), Snover Street (west), and Buffalo Bayou (south). Appendix A lists the address and ownership of each parcel within the designated property.

Groundwater beneath the property is affected from historical releases of chlorinated solvents (Trichloroethene (TCE); cis-1,2-Dichloroethene (cis-1,2-DCE); and Vinyl Chloride) associated with former operations at the Thermo Electron Metallurgical Services Facility at 411 Jackson Hill. Probable source materials in soils were removed during response actions conducted in 1993 and 1995.

The properties located at 411 Jackson Hill (later subdivided into the Dickson Street properties identified in Appendix A) and 4200 Scotland Street were entered into the Voluntary Cleanup Program ("VCP") administered by the Texas Commission on Environmental Quality ("TCEQ") on May 15, 1997, and May 16, 2002, respectively by the Applicant. Both properties have been assigned TCEQ VCP Facility ID No. 531.

Affected groundwater is encountered between approximately 26 and 65 ft below ground surface. The shallow affected groundwater is not used as a drinking water supply; therefore, it does not impact drinking water resources. Affected groundwater extends off-site to the south and completely discharges into Buffalo Bayou. Extensive sampling of surface water and sediment in the bayou indicates that this water body has not been adversely affected by the discharge. Buffalo Bayou effectively prevents further migration of affected groundwater to properties on the southern side of the bayou. The lateral scope of the affected groundwater has been fully delineated to the north, east, and west, and lies wholly within the designated property.

The proposed Municipal Setting Designation ("MSD") will assist the Applicant in meeting requirements for groundwater protection under state environmental regulations. The MSD, if approved, will not affect the Applicant's obligations under state environmental regulations to continue monitoring for potential impacts to Buffalo Bayou and to take appropriate corrective action should any adverse impacts to this water body be identified in the future.