TANTARA CORPORATION

SITE REMEDIATION
FORMER BIRD MACHINE SITE
SOUTH WALPOLE, MA

CLIENT

Prime Contractor /Owner

PROJECT FEATURES

Dewatering
Soil Excavation / Stabilization
ACBM Removal
Environmental Controls
Transportation / Disposal
Utilities Relocation
Site Restoration

COST / COMPLETION

June 2005 - January 2006

PROJECT DESCRIPTION

This 134-acre parcel in South Walpole, along the Neponset River and over the Great Cedar Swamp aquifer, was used for manufacturing since the early 19th century before it was turned into Bird Machine in 1920. Baker Hughes Inc. purchased the land in 1989 and discontinued manufacturing in 2004. The manufacturing facility was comprised of several buildings formerly utilized for lathing, welding, milling, drilling, cutting and sheet metal operations.

TANTARA was contracted to perform site remediation services at four separate areas within the property. The work required dewatering, excavation of soil and asbestos-containing materials, stockpiling and segregation of these soils, soil stabilization, and loading of trucks for transportation and disposal. After completion of the work, all excavations were backfilled and restored.

Prior to the start of work, TANTARA installed over 1,500 linear feet of erosion controls, constructed two impoundment areas, and constructed an interior concrete storage area. Areas LRA-1 and LRA-2 required the removal of an asphalt parking area, segregation of clean soils, excavation and rendering of metal-contaminated soils with Portland cement, sample collection and analysis, excavation and stockpiling, backfilling with clean imported material, and final loading, transportation and disposal of the treated soils. TANTARA was required to support and/or relocate the sanitary sewer, water, drainage and electrical services in these areas to perform the work.

LRA-3 required the removal of asbestos-containing building material (ACBM) mixed with lead-contaminated soils. TANTARA excavated, loaded, transported, and disposed of ~2,500 tons of ACBM. All work was performed under the licensed *Asbestos Project Monitor*. After the ACBM soils were removed, the remaining soils were fixated with triple super phosphate (TSP). These soils were then sampled, analyzed, excavated and disposed as non-hazardous waste.

The final area, the Demolition Debris Area, required land clearing, soil excavation, drum removal, segregation, on-site hauling, stockpiling and disposal of non-hazardous debris. An additional 600 tons of ACBM were removed from area LRA-4.