The client’s original Groundwater Extraction, Treatment & Reinjection System (GWERS) was constructed in the early 1990s. In addition to the groundwater system, there is a soil vapor extraction system (SVE) with a Regenerative Thermal Oxidizer (RTO). Upon initial takeover of O&M by GWTT, the system was found to be in poor working condition. Numerous components of the all systems were in need of repair or replacement. In coordination with the our remediation contracting / field services team, GWTT successfully brought the system back to operational status.

The GWERS is fed by eight individual extraction wells located throughout the site with an average flow rate of 100 GPM. The groundwater system components are as follows: 1) oil/water separation, 2) multi-media filtration, 3) air stripping with vapor discharge to RTO, and 4) liquid phase carbon treatment prior to discharge to groundwater via two reinjection wells.

The system requires a full time O&M technician responsible for daily operation of both the GWERS and SVE/RTO. Responsibilities include process adjustments, equipment maintenance, compliance sampling (both air and effluent), supply acquisition, general housekeeping and preventative maintenance activities. In addition, GWTT provides the client with a detailed monthly report summarizing system operation, maintenance, problems and solutions, flow summary, and compliance sampling results. GWTT works directly with the analytical laboratory for sample scheduling and related issues.