GWTT took over O&M services and project management of a groundwater treatment system, non-aqueous phase liquids (NAPL) recovery system, and two sub-slab depressurization systems located on a former manufactured gas plant (MGP) site. The MGP treatment system was constructed to address residual product remaining from production at the site through 1968. The treatment system operates at a flow rate of 30 GPM and consists of five groundwater extraction wells, eight product recovery wells, two recovery trenches, NAPL holding tank, and extensive filtration equipment.

To prevent egress of vapors, two sub-slab depressurization systems are also part of the system. GWTT is responsible for site management, system O&M, documentation management, waste management, and subcontractor management.

GWTT has maintained the MGP treatment system in a manner that has continuously met runtime requirements, regulatory compliance, and health & safety goals.

Former MGP Site NAPL Recovery System Project Narrative

GWTT took over O&M services and project management of a groundwater treatment system, non-aqueous phase liquids (NAPL) recovery system, and two sub-slab depressurization systems located on a former manufactured gas plant (MGP) site. The MGP treatment system was constructed to address residual product remaining from production at the site through 1968.

The treatment system operates at a flow rate of 30 GPM and consists of five groundwater extraction wells, eight product recovery wells, two recovery trenches, a NAPL holding tank, active odor extraction, oil water separation, equalization and mixing, metals precipitation, bag filtration, organo-clay media filtration, liquid phase carbon filtration, and secondary bag filtration. System effluent is discharged to surface water. Additionally, there are two active sub-slab depressurization systems installed to prevent the migration of sub-slab vapors to an existing nearby shopping center.

Specific contaminants treated include:
- Total Suspended Solids (TSS), Oil & Grease, Total Petroleum Hydrocarbons (TPH), Volatile Organic Compounds (VOC), Semi-Volatile Organic Compounds (SVOC), Polychlorinated Biphenyls (PCB), Benzene / Toluene / Ethylbenzene / Xylene (BTEX), Total Metals.

To date, GWTT has maintained the MGP treatment system in a manner that has continuously met runtime requirements, regulatory compliance, and health & safety goals.

Connect with one of our Treatment System Operations experts now: 800-770-0901