Groundwater Treatment and Product Recovery

Construction Services







Project History

Former Coal Tar Refinery

Follansbee, WV

Regulatory Agency

WVDEP, West Virginia Department of the Environmental Protection

Project Description

Project consisted of constructing mobile groundwater treatment system in a 53ft cargo trailer. Existing groundwater recovery wells were connected via subsurface HDPE conveyance piping. Sections of transition piping located above ground was heat traced and insulated. 480V 3P recovery well control panels were retrofitted to provide process control from HMI located in the mobile treatment trailer as well as remote access via cellular communication.

Activities Performed

- Fabricating mobile groundwater treatment system trailer
- Excavation of 2,000 feet of trench within active plant through concrete, asphalt and soil for installation of new HDPE conveyance lines
- Installation of 2-inch and 3-inch HDPE groundwater conveyance lines from existing wells to treatment trailer
- Installation of cleanouts and surface access valve boxes
- Pressure testing of all conveyance lines
- Installation of 480V 3P power supply and control conduit and electrical conductor pulls
- Relocation and retrofitting of 48-V 3P well control panels



- Excavation across plant access road for 400 feet trench and installation of HDPE discharge line for NPDES Outfall.
- Insulation and heat trace of all above ground conveyance and discharge lines
- Site restoration and system start-up and testing.

Project Manager

Hank Pappert

Contract Value

$750,000

