



## Municipal Utility Construction Dewatering

Carbonair provided a long term temporary treatment system including oil water separators, bag filters, an air stripper, and carbon vessels for a municipality in Virginia in support of a water and sewer line installation.

The original contamination came from a gas station, an auto garage, and a dry cleaner. This treatment system utilized an air stripper to remove the chlorinated solvents, such as TCE, PCE, VC and CIS 1-2 DCE, and carbon polish to remove the GRO and DRO. The oil water separator and bag filter removed any free phase product and solids.

Sanitary sewer discharge was not an option for this project due to the flow rate. Therefore, the water had to be treated on-site and discharged to the storm sewer.

### Project Specifics

- Location: Virginia Beach, VA
- Treatment flow rate: 1,000 gpm
- Equipment Supplied: (2) COWS 500 oil water separator, (1) multi round bag filter, (1) STAT 720 air stripper, (8) MPC28 carbon vessels each containing 5,000 lbs of carbon
- Contaminants treated: Sediment, free phase GRO, DRO, and Solvents (TCE, PCE, VC, and CIS 1-2 DCE)

