Facts on Remediation

GREENPOINT BROOKLYN REMEDIATION PROJECT

Recovered Groundwater Treatment System

Removal of Petroleum Components

Groundwater removed by the dual-pump recovery system is treated by various processes to remove petroleum contaminants, as well as some metals found naturally in groundwater.

- Water entering the treatment system first is allowed to settle and stabilize in a holding space called an *equalization tank*.
- An *aeration* system consisting of tubes and a compressor injects air into the water and passes it through filters that remove iron and magnesium to reduce system fouling.
- Petroleum components are removed from the groundwater by a process called *air stripping*. ExxonMobil's process injects air through the water as it cascades down through a series of trays with holes of decreasing size that strip the contaminants from the water.
- Treated water from each treatment system is piped to a discharge point *(the outfall)* for discharge into Newtown Creek.
- During typical operation the recovery system is pumping and treating 15 million gallons of groundwater each month.
- The discharged groundwater is sampled monthly and results are reported to the NYSDEC.

Water Treatment System

Inside of Water Treatment System

ExxonMobil

For more information: 718.389.8987
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