

## **2023 Greenpoint Remediation Project Update**

- The Greenpoint Remediation Project operates under NYSDEC oversight and continues to make good progress towards completion, with a strict focus on the protection of human health and the environment.
- The remediation system continues to exhibit excellent reliability, with run-time performance above 90%.
- The product plume continues to shrink in area as well as in thickness.
- Liquid free-product recovery is decreasing as expected.
- Aligned with NYSDEC approval, recovery wells that no longer recover significant amounts of product continue to be shut down:
  - Recovery well RW-22 met the criteria of the Recovery Well Shutdown Procedure and shutdown was approved by the NYSDEC in 2022.
  - Recovery Well RW-27 met the criteria of the Recovery Well Shutdown Procedure and shutdown was approved by the NYSDEC in 2023.
- Recovered an estimated 34,176 gallons of liquid product in 2022, bringing the estimated total of product recovered by ExxonMobil to approximately 9.2 million gallons.
- Operation of the Soil Vapor Extraction (SVE) System in 2022 removed an estimated liquid equivalent of 10,915 gallons of product.
- The total amount of product recovered by all parties (ExxonMobil, BP and Texaco) to date is over 13 million gallons.
- In conjunction with product recovery, the system pumped and treated approximately 350 million gallons of groundwater to Clean Water Act Standards.
- Groundwater testing shows that natural biodegradation of product is occurring, as evidenced by the presence of geochemical markers as well as petroleum consuming microbes.
- Monitoring data confirm that groundwater moves towards the recovery wells and away from Newtown Creek.
- Continued evaluation of techniques for enhancing liquid product recovery, including Vacuum-Enhanced Recovery (VER) and pressure-pulse water-flooding technology.
- Soil vapor monitoring continues, sampling permanent soil vapor points both on and off site.
- Groundwater monitoring continues, sampling monitoring wells both on and off site.
- In accordance with the March 1, 2011 Consent Decree, numerous reports and progress updates were provided to the NYSDEC and made available for review by the public.