

## **Greenpoint Progress Update 2022**

### **2021 Accomplishments**

- 22 product recovery wells were operated under NYSDEC oversight.
- Liquid free-product recovery is decreasing as predicted by scientific modeling.
- Along with liquid product, recovered and treated approximately 363 million gallons of groundwater to Clean Water Act Standards.
- The total amount of product recovered by all parties (ExxonMobil, BP and Texaco) is now over 13 million gallons.
- Continued evaluation of new techniques for enhancing liquid product recovery, including Vacuum-Enhanced Recovery (VER) and pressure-pulse water-flooding technology.
- 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.
- Recovery well RW-E met the criteria of the Recovery Well Shutdown Procedure. Following NYSDEC approval of the shutdown, RW-E decommissioning activities, including underground storage tank closure, were completed.

### **2022 Updates**

- We continue to operate the product recovery system and have gained NYSDEC approval to shut down wells that no longer recover significant amounts of product.
- On-going soil vapor monitoring efforts, sampling permanent soil vapor points both on and off site.
- On-going groundwater monitoring efforts, sampling monitoring wells both on and off site.
- On-going pressure-pulse water-flooding activities as an interim remedial measure in an effort to enhance liquid product recovery at recovery wells located within Operable Units 4 and 5.
- On-going VER activities in an effort to enhance vapor and liquid product recovery at recovery wells located within Operable Units 5, 7, and 8.
- Recovery well RW-22 will be shut down in 2022 and properly decommissioned as per approval from NYSDEC.

### **Project Progressing To Completion of Liquid Product Recovery**

- The Greenpoint Petroleum Remediation Project is making good progress towards completion of liquid product recovery, while maintaining a strict focus on the protection of human health and the environment.
- The product recovery system continues to exhibit excellent reliability, with run-time performance above 90%.

- Monitoring data confirm that groundwater moves towards the recovery wells.
- Recovery well RW-J was proposed for shutdown with approximately 90 percent runtime and reduced recovery over time. The recovery well was decommissioned in 2017-2018 with approval from NYSDEC.
- Recovery well RW-E met the criteria for well shutdown with approximately 90 percent runtime and reduced recovery over time and shutdown was approved by the NYSDEC. The recovery well was decommissioned in 2021 with approval from NYSDEC.
- Recovery well RW-22 met the criteria for well shutdown with approximately 90 percent runtime and reduced recovery over time and shutdown was approved by the NYSDEC. The recovery well will be decommissioned in 2022 with approval from NYSDEC.
- The ability to turn off recovery wells noted above is demonstrated by the continued shrinkage of the product plume area and thickness throughout the Site.
- The Project team initiated additional TPH Excavation IRM activities in OU-4 in 4Q 2021 and completed the activities in 1Q 2022.