

Superfund Construction Project – Funding Pending



White Swan Laundry and Cleaners Inc. Superfund Site Wall Township, New Jersey

Site Description

The [White Swan Laundry and Cleaners Inc. site](#) in Wall Township, New Jersey, includes an area of groundwater contamination and associated source areas generated by two former entities, White Swan Dry Cleaners and Sun Dry Cleaners. From 1964 through 1986, White Swan Dry Cleaners operated near the intersection of Sea Girt Ave and Highway 35. During operations, they discharged perchloroethylene (PCE) into their septic system, which percolated down into the shallow, sandy aquifer and was carried east to mix with Sun Dry Cleaners PCE to form a two mile long plume. The Sun Dry Cleaners source areas, one quarter mile southwest of White Swan Dry Cleaners, operated from 1960 through 1991. They also discharged PCE either into their septic system or on the ground, which percolated down into the shallow aquifer and was carried east by the regional flow.

The site encompasses approximately 2.5 square miles in a mixed residential suburban area (approximately 1,200 structures over the contaminated plume). The shallow, sandy unconfined aquifer is contaminated with PCE, TCE, cis-1,2 DCE and vinyl chloride that emanated from the two cleaners. A more impermeable layer approximately 65 to 80 feet below the ground surface prevents contamination from sinking deeper. The regional groundwater is currently not contained and is migrating from west to east towards the Atlantic Ocean. Residents and businesses over the plume could potentially be exposed to contamination via vapor intrusion.

Site Status and Cleanup Actions to Date

- In 2004, the Site was placed on the NPL. Sun Cleaners is being addressed by EPA and White Swan Cleaners is being addressed by Bank of America as the potentially responsible party.
- In 2006, EPA entered into an Administrative Settlement Agreement with the potentially responsible party to conduct a remedial investigation/feasibility study (RI/FS).
- In 2013, EPA issued a record of decision (ROD) selecting remedies for the source areas and groundwater. The groundwater remedy consists of extraction and treatment with air stripping and carbon polishing.
- In 2016, a soil vapor extraction/air sparging system began operation and has removed an estimated 2,677 lbs of VOCs from the Sun Cleaners source area's unsaturated zone soils.
- In 2017, EPA issued an explanation of significant differences (ESD) that clarified the 2013 ROD cost estimates.
- In 2018, the potentially responsible party excavated and disposed 7,312 tons of contaminated soil from White Swan source area.
- In 2020, the groundwater remedial design was completed. It includes construction and implementation of a groundwater treatment plant with the expectation that it will operate for approximately 30 years. In addition, monitored natural attenuation will be used in the lesser contaminated portion of the aquifer to ensure water quality is restored.
- Over 400 vapor intrusion samples have been collected and 37 vapor intrusion mitigation systems were installed and are operating. Roughly 800 unsampled structures over the plume could be sampled in the future.
- Vapor intrusion sampling by the potentially responsible party continues and mitigation systems will be installed as needed.

Project Pending Funding, as of the end of Fiscal Year 2020

This work is the implementation of the 2013 ROD, which calls for groundwater extraction and treatment from 8 collection wells, with air stripping and carbon polishing.

Funding Through Fiscal Year 2020

EPA has provided approximately \$10 million for cleanup activities at the site.