



Imperial Oil/Champion Chemicals

Morganville, New York

Site Description

The 15-acre Imperial Oil Co./Champion Chemicals site is located in Morganville, Monmouth County, NJ. Imperial Oil Co., used the property, which it leased from Champion Chemicals, to blend oil. Several other companies also operated at the site. The site formerly contained a waste pile contaminated with polychlorinated biphenyls (PCBs). The soil at the site is contaminated with volatile organic compounds (VOCs), PCBs, metals, polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons, and phthalates, a plastics by-product. Off-site sediments were contaminated with arsenic, lead, phthalates, and PCBs. Surface water was found to contain arsenic.

Current Site Status and Cleanup Actions to Date

- In 1991, EPA excavated and disposed of approximately 660 cubic yards of PCB-contaminated material from a waste filter clay pile located on-site.
- EPA installed extraction wells and an oil/water treatment system to remove floating oil from the ground water. The New Jersey Department of Environmental Protection (NJDEP) is currently using these wells to continue removing floating oil. To date, NJDEP has removed over 25,000 gallons of PCB-contaminated oil.
- In 1998, EPA excavated and disposed of 6,488 cubic yards of contaminated soil (roughly equivalent to 1 football field, covered 1 yard deep) from 4 nearby residences.
- In 1999, EPA and NJDEP selected the cleanup plan, which calls for the excavation and off-site disposal of contaminated soil; removal and off-site disposal of the floating oil product; removal of buildings and tank farms; and restoring wetlands.
- In 2004, NJDEP excavated and disposed of 14,889 cubic yards of contaminated soil and sediment from the Birch Swamp Brook and nearby properties.
- In 2008, EPA tore down and removed the on-site structures including all production, storage, and maintenance buildings as well as an above-ground tank farm.
- Under current conditions, potential or actual human exposures are under control.

Current Funding Status

- Cleanup activities addressing soil at the main facility and floating oil product were not funded in Fiscal Year 2008.
- To date, EPA has obligated approximately \$13.6 million for the site.

For more information on this site, please read the Imperial Oil Co., site fact sheet (<http://www.epa.gov/region02/superfund/npl/0200764c.htm>) on the Region 2 Superfund web site.

Key Accomplishments

- Excavated and disposed of approximately 660 cubic yards of PCB-contaminated material from a waste filter clay pile located on-site in 1991
- Removed over 25,000 gallons of PCB-contaminated oil through a ground water extraction and treatment system to date
- Excavated and disposed of 6,488 cubic yards of contaminated soil from 4 nearby residences in 1998
- Excavated and disposed of 14,889 cubic yards of contaminated soil and sediment from the Birch Swamp Brook and nearby properties in 2004
- Completed the demolition of on-site structures including all production, storage and maintenance buildings as well as an above-ground tank farm in 2008