Fiscal Year 2017 Unfunded New Construction Project

Durham Meadows Superfund Site
Durham, Connecticut

Site Description

The Durham Meadows Superfund site includes an area of groundwater contamination and the associated source areas: the currently operating Durham Manufacturing Company facility and the former location of the Merriam Manufacturing Company. The site includes historic Main Street in Durham and contains industrial and residential properties.

Both companies manufactured metal cabinets, boxes and other items. During their respective operating histories, both companies used various solvents, including trichloroethene, 1,1,1-trichloroethane and methylene chloride. Contamination from volatile organic compounds has been detected in soil and groundwater on both properties, as well as in nearby residential drinking water wells.

Site Status and Cleanup Actions to Date

- **Merriam study area:** In 2013, the soil excavation was completed to address risks to human health from contamination in soil and soil vapor. The soil was disposed of off-site.

- **Durham study area:** In 2016, the design was completed for soil excavation and off-site disposal of hotspot areas to address risks to human health from contamination in shallow groundwater and to address source contamination.

- **Site-wide groundwater study area – water line:**
  - A new water main extension from the city of Middletown will provide an alternative source of public water to all residences affected by groundwater contamination and residences within a buffer zone near the contaminated area.
  - As an interim measure, continued monitoring as well as filtration and provision of bottled water is offered to residents within this study area.
  - EPA is working with the U.S. Army Corps of Engineers to procure a contract to begin installation of the water line in 2018.

- **Site-wide groundwater study area – source zone and dissolved plume:** For the area of groundwater contamination, EPA is implementing a monitoring network for the dissolved plume to ensure no migration of groundwater occurs beyond its current boundary. The design for this component began in 2016.

- **Site-wide groundwater study area – contingency groundwater extraction for hydraulic containment:** There is a contingency to implement a groundwater extraction system for hydraulic containment if the plume or source zone spreads beyond its current boundary. This component is not active at this time.

- Institutional controls are in place or under way in a variety of areas to prevent unrestricted future use of certain areas of the site or use of contaminated groundwater.

- The first five-year review was completed in September 2016 to ensure the remedy continues to be protective of human health and the environment.

Unfunded Action

The unfunded work for this site is the implementation of the Durham study area cleanup, which includes excavation and off-site disposal of approximately 11,000 cubic yards of contaminated soil in hot-spot areas. The estimated cost is $8 million. The site was presented to the Priority Panel in FY 2017.

Funding Status

To date, EPA has spent approximately $7.5 million for construction work at the site through FY 2017. EPA anticipates spending approximately $20 million for the installation of the alternative water supply component of the remedial action.

December 2017