



## Garvey Elevator Superfund Site Hastings, Nebraska

### Site Description

[Garvey Elevator](#) owned and operated a grain storage facility on a 22-acre parcel of property from 1959 until 1998. Garvey used a liquid fumigant containing carbon tetrachloride (CCl<sub>4</sub>), a CERCLA hazardous substance, for pest control from 1959 until 1985. The fumigant was stored onsite in an aboveground storage tank and transferred via piping from the tank to the grain application gallery on top of the silos.

After Garvey's discovery of CCl<sub>4</sub> contamination in 1994, Nebraska enrolled Garvey into its voluntary cleanup program. EPA listed the site on the National Priorities List in September 2005. The site has CCl<sub>4</sub>-contaminated soils and groundwater beneath the 22-acre parcel (designated as operable unit 1, or OU 1) and an associated contaminated groundwater plume approximately 4.5 miles long and up to one mile wide (OU 2).

### Site Status and Cleanup Actions to Date

- From 2005 to 2008, Garvey conducted removal actions to continue operating the source area soil-vapor extraction system and groundwater pump-and-treat system. It sampled residential wells and provided alternate water to impacted residences. Concurrently, Garvey began remedial investigation activities. The site's new owner put institutional controls in place on the source area.
- In March 2008, Garvey declared bankruptcy. Also in 2008, EPA initiated Superfund-lead removal activities in May and Superfund-lead remedial activities in September.
- Between 2005 and 2010, EPA conducted removal actions to operate and maintain the soil-vapor extraction system and groundwater pump-and-treat system. EPA extended municipal water supply lines to connect all impacted private well users in OU 2.
- In 2010, EPA issued an interim record of decision for a portion of the OU 1 soil and groundwater. The remedy included continuing operation of the existing soil-vapor extraction and groundwater pump-and-treat systems, possible expansion of the pump-and-treat system, and institutional controls.
- In September 2013, EPA issued the interim record of decision that addressed contaminated soil at OU 1 and the OU 2 contaminated groundwater plume. The remedy included:
  - Excavation and treatment of contaminated soil near the aboveground storage tank and buried transfer pipe;
  - Installation of soil-vapor extraction wells and incorporation into the existing soil-vapor extraction network; and
  - For the OU 2 plume, construction and operation of a pump-and-treat system and implementation of institutional controls.
- In May 2016, EPA initiated the remedial actions selected in the 2013 record of decision to address contaminated soil at OU 1. These actions are ongoing.
- In September 2017, EPA completed upgrades to the groundwater pump-and-treat system at OU 1 and declared it operational and functional. EPA continues to operate the groundwater pump-and-treat and soil vapor extraction systems.

### Unfunded Action

The unfunded fiscal year 2017 work for this site includes the construction, operation and maintenance of the groundwater extraction and treatment system to address the OU 2 contaminated groundwater plume.

### Funding Status

To date, EPA has spent approximately \$1.9 million for construction, operations and maintenance work at the site related to OU 1. No funds have been expended for construction work at OU 2.