



Dealers Manufacturing State Superfund Site

Superfund Program fact sheet g-2-07 • May 2013

This Minnesota Pollution Control Agency (MPCA) fact sheet for the Dealers Manufacturing State Superfund Site, located in Fridley, Anoka County, Minnesota, will:

- summarize site historical and investigation activities conducted during the remedial investigation,
- discuss the risks to human health and the environment that may be present at the site, and
- indicate the site's current status.

Where is the site?

Dealers Manufacturing State Superfund Site is located on Main Street in the City of Fridley, about 0.5 mile south of Interstate Highway 694 and 0.7 mile east of the Mississippi River. The site is bounded on the west by Burlington Northern Railroad, on the north and south by industrial properties, and on the east by residential properties (across Main Street).

Dealer's Manufacturing changed its name to Reviva in 2002.

What is the site's background?

Dealers Manufacturing started in 1944 as a small engine rebuilder and has operated a gasoline and diesel engine remanufacturing plant in the current location since 1963.

As part of its site operations, Dealers Manufacturing used chlorinated solvents, which are chemicals in a family known as volatile organic compounds (VOCs). The primary VOC used at Dealer's Manufacturing was trichloroethylene (TCE).

What's the cleanup history of this Superfund site?

Groundwater contamination at the site was first discovered in 1988. The sanitary sewer sump in the building was determined to be the source of TCE.

In 1990, the Dealers Manufacturing site was listed on Minnesota's Permanent List of Priorities (the list of state Superfund sites). The site is not on the National Priorities List (the list of federal Superfund sites).

In 1995, a pump-and-treat system was installed to remove contaminated groundwater, and the system operated until November 2000.

In January 1996, a vacuum vaporizer well (UVB) was installed to remove TCE from the source area (the sump in the building). The UVB operated at this location until July 2000.

In April 1998, Minnesota Decision Document (MDD) was signed, which established the cleanup criteria. The cleanup criterion for the soil is 2 mg/kg TCE (industrial soil leaching value). The cleanup criteria for the groundwater are shown in the following table.

Compound	Concentration (µg/L)
tetrachloroethylene (PCE)	5.0
trichloroethylene (TCE)	5.0
cis-1,2-dichloroethylene (cis-1,2-DCE)	70.0
trans-1,2-dichloroethylene (trans-1,2-DCE)	100.0
1,1,1-trichloroethane (TCA)	200.0
1,1-dichloroethane	70.0

In July 2000, the UVB was moved to the site's south property boundary to remove the TCE found there. Two additional UVBs were added at the southern boundary in 2002 to address the contamination that had migrated to the southern boundary.

In June 2002, Dealers Manufacturing State Superfund Site was delisted from the Permanent List of Priorities. A post-delisting agreement between Reviva and the MPCA requires compliance with cleanup criteria in the MDD. The post-delisting agreement states that groundwater with concentrations of contaminants of concern above MDD criteria must not move beyond the site boundary.

In August 2004, the UVBs were turned off to evaluate the potential for monitored natural attenuation (MNA). MNA is a cleanup remedy whereby natural chemical and biological processes in soil and groundwater break down VOCs into harmless compounds. Quarterly groundwater monitoring with annual reporting to the MPCA remains uninterrupted while this assessment and other planning for the site continues.

Summary of site risks

The contaminants of concern are primarily TCE and its degradation products (1,2-dichloroethylene and vinyl chloride) in soil and groundwater.

Potential risk receptors include:

1. **Fridley municipal well #13** is located 0.5 mile downgradient and west of the site. The well is currently used only for backup during periods of peak demand. The highest TCE detection in this well was 1.0 µg/L in 1995 and there had been no detections of any VOCs since 1997.
2. **Mississippi River** is 0.7 mile downgradient and west of the Dealers Manufacturing site. There is no evidence to indicate that the groundwater plume from Dealers Manufacturing is reaching the river.
3. **Vapor intrusion in nearby residences:** The residences are located upgradient and east of the site. The monitoring wells closest to the residences had TCE at 0.84 µg/L (monitoring well 104B in 2009) and 2.0 µg/L (monitoring well 111 in 2006). Since the TCE concentration in groundwater that may pose a vapor-intrusion risk is 20 µg/L, vapor intrusion is not considered a risk factor at this site.

Current activities

In October 2011, Reviva submitted a proposal to install in-well air sparging as the remedy at the site.

Discussions between the company and the MPCA continue on this issue, with the MPCA reiterating the need to meet the requirements of the MDD and the post-delisting agreement. The most recent communication from the MPCA requested that Reviva submit a work plan by April 30, 2012, to address and meet the requirements of the above documents.

Where can I get more information?

For more information about the Dealers Manufacturing State Superfund Site or its remediation, contact:

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To view the documents in the MPCA's administrative record that contain more details on cleanup activities at this site, call the MPCA at 651-296-6300 or 800-657-3864.