

**WAVERLY GROUND WATER
CONTAMINATION**

NEBRASKA

EPA ID# NED980862718

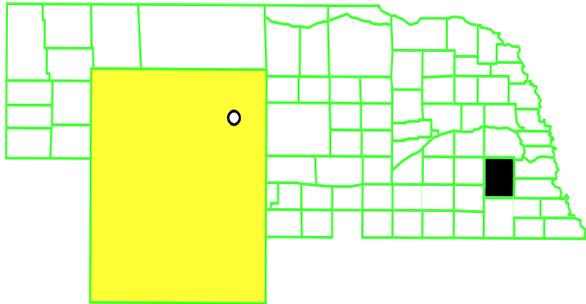
EPA Region 7

City: Waverly

County: Lancaster County

Other Names:

02/09/2009



SITE DESCRIPTION

The Waverly Ground Water Contamination site extends over an 11-acre area underlying the City of Waverly. The U.S. Department of Agriculture operated a Federal grain facility in Waverly from 1952 to 1974. A grain fumigant consisting of carbon tetrachloride and carbon disulfide was used at the facility from 1955 to 1965. Since 1975, the property has been owned by Lancaster County, which operates a district office and maintenance facility on the premises. The EPA and the State of Nebraska sampled the municipal wells in 1982 and found them to be contaminated. One well was taken out of service, two wells were placed on standby status, and the city drilled new wells to replace them. The area surrounding the site is predominantly agricultural. The population of Waverly is approximately 1,700 people. There is a residential area adjacent to the former grain facility. Several private wells near the site are used for drinking water, livestock watering and crop irrigation. Runoff from the site drains into Salt Creek.

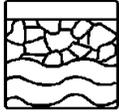
Site Responsibility:

This site is being addressed through Federal actions.

NPL LISTING HISTORY

Proposed Date:	10/15/84
Final Date:	06/10/86
Deleted Date:	11/20/2006

THREATS AND CONTAMINANTS



Samples taken from the municipal wells contained concentrations of heavy metals, volatile organic compounds (VOCs), nitrates, and sulfates. The soil is contaminated with VOCs including carbon tetrachloride and chloroform. Contaminants from the soil have seeped into the aquifer, the source of water for the municipal water supply. The polluted wells were taken out of service, and new wells were drilled; therefore, the municipal water supply is safe to use. The new wells are upgradient of the site and are not likely to be threatened.

CLEANUP APPROACH

Response Action Status

Immediate Actions: In 1988, as an immediate response to the ground water contamination, the EPA installed ground water monitoring wells, a system of pipes and wells in the ground connected to a pump to remove vapors contaminating soil (soil gas extraction system), and a ground water treatment system using air stripping. The ground water treatment involves forcing a stream of air through the contaminated water to evaporate the chemicals, which then are released into the atmosphere. Air monitoring is conducted to ensure that emissions are within acceptable limits. Treated ground water is discharged to a ditch near the site. The U.S. Department of Agriculture (USDA) is performing the operation and maintenance on the ground water extraction and soil gas treatment system. A supplemental groundwater extraction well (SGWEX) was added to the system in 1993 to address contamination discovered outside the influence of the original ground water extraction well.

Entire Site: The USDA completed an investigation into the nature and extent of contamination at the site. Based on the results of this investigation, the EPA recommended that the immediate actions described above be continued until cleanup of soil and ground water is achieved. Operation and maintenance of the ground water treatment system continued through 2008.



The analytical results provided in the Quarterly Report for Waverly, Nebraska, Expedited Response Action, 1st Quarter FY 2009, Reporting Period October 2008 through December 2008 indicated the contaminant levels in all sampled monitoring wells remain below the cleanup levels established in the Record of Decision.

Site Facts: Groundwater monitoring has continued on a quarterly basis since 11/20/2006 to ensure the contaminant levels remain below cleanup levels. The data gathered from these sampling activities will be used in the fourth and final Five-Year Review scheduled for completion by September 2009.

ENVIRONMENTAL PROGRESS



The cleanup levels for groundwater and soil, as described in the Record of Decision, have been achieved. Therefore, the EPA has deleted this site from the NPL.

COMMUNITY INVOLVEMENT

4/2004 Fact Sheet announcing the start of the third five-year review was mailed to addressees on the mailing list.

4/22/2004 Display ad announcing the start of the five year review was published in the *Waverly-News* .

11/2004 Fact Sheet announcing the completion of the third five-year review and availability of the report was mailed to the mailing list.

11/25/2004 Display ad announcing the completion of the third five year review was published in the *Waverly-News*.

9/2006 Fact Sheet announcing the Proposed Deletion from the National Priorities List and the start of the Public Comment Period on the proposed delisting was mailed to the mailing list of 46.

9/21/2006 Display ad announcing the proposed deletion of the Waverly Site was published in the

Waverly-News.

11/20/2006 Notice of Deletion appeared in the Federal Register.

12/2006 Documents relating to the deletion were added to the Site Repositories.

02/12/2009 Display ad announcing the start of the five year review was published in the *Waverly News* .

02/2009 Fact Sheet announcing the start of the fourth five year review was mailed out.

SITE REPOSITORY



Contact the Region 7 Superfund
Community Relations Office

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-7166

REGIONAL CONTACTS

SITE MANAGER: Jeff Field/SUPR/MOKS
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**COMMUNITY INVOLVEMENT
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STATE CONTACT: Aradhna Srivastav, NDEQ
PHONE NUMBER: 402-471-2181

MISCELLANEOUS INFORMATION

STATE: NE
071X
CONGRESSIONAL DISTRICT:
01
EPA ORGANIZATION: SFD-SUPR/MOKS

MODIFICATIONS

Created by: Karla Asberry/SUPRFUND/R7/US
EPA/US
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