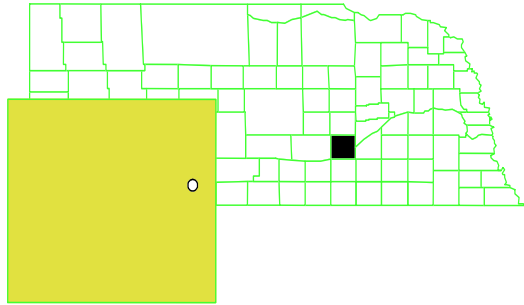


CLEBURN STREET WELL
NEBRASKA
EPA ID# NED981499312

EPA Region 7
City: Grand Island
County: Hall County
Other Names:

02/09/2009



SITE DESCRIPTION

The Cleburn Street well was once a drinking water source for the City of Grand Island. The municipal water system, serving 38,500 people, consists of 12 wells within city limits and 12 wells in the Platte River Island Well field southeast of the city. Now disconnected from the municipal water supply, the Cleburn Street well was found to be contaminated with tetrachloroethylene (PCE) in 1986. Subsequent studies indicated PCE-contamination in the ground water and sub-surface soils. Results of EPA investigations indicate four separate areas of contamination: a former solvent company; and three dry cleaners who have used or stored PCE. Some 1,100 residents not served by the municipal water system draw water from shallow private wells. The Cleburn Street Well is located within 4 miles of food and forage crops irrigated by 333 wells.

Site Responsibility:

This site is being addressed through Federal, State, and potentially responsible party actions.

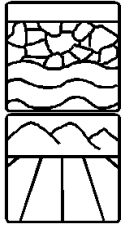
NPL LISTING HISTORY

Proposed Date: 07/29/91

Final Date: 10/14/92

Deleted Date:

THREATS AND CONTAMINANTS



PCE and other volatile organic compounds (VOCs) were first discovered in the Cleburn Street well in 1986. PCE also was detected in on-site soils. Studies show PCE contamination of the shallow ground water aquifer used by the city for drinking water. Ingestion of, or direct contact with, contaminated ground water or soil is a risk to public health.

CLEANUP APPROACH

Response Action Status

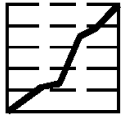
Immediate Actions: The Cleburn Street well was disconnected from the municipal water supply in 1986. In the summer of 1993, EPA installed a ground water extraction well at the primary source area and began pumping to contain the highest concentrations of contaminated ground water, and to prevent further migration of the contaminants toward other municipal wells. In mid-1995, in response to concern expressed by the City and nearby residents, EPA collected samples from inside the building at the primary source area. Sample results showed that the building, severely deteriorated, was not contaminated and did not need to be demolished by EPA. The results of this analysis allowed the City to sell the property.

Entire Site: EPA conducted a soil-gas investigation in 1988; PCE and other VOCs were detected in three areas on site. Site-wide investigations into the nature and extent of ground water and soil contamination were completed in 1995. A treatability study was conducted in March 1994, to determine the applicability of various soil and ground water treatment technologies, and to gather potential remedy design information. EPA selected remedial actions, as documented in the June 1996 Record of Decision, for the three dry cleaner source areas. For the primary source area, the former One Hour Martinizing facility, the selected remedy includes the use of a soil vapor extraction technology to address source soils and ground water extraction and air stripping to address ground water contamination. The selected remedies for the other two dry cleaner source areas include ground water monitoring and institutional controls to restrict uses of ground water in the vicinity of the source areas. Remedial designs for the selected remedies were completed in 1997, and construction of the remedies was completed in September 1998. The institutional controls have been completed, and the treatment systems have been in operation since 1999.

In September 2001, EPA signed a Record of Decision for the former Nebraska Solvents Company source area (OU5) that established Soil Vapor Extraction, Air Sparging, Institutional Controls, and LNAPL Removal as the remedy. EPA signed a Consent Decree with the potentially responsible party - Union Pacific Railroad Company - to conduct the Remedial Design and Remedial Action for the source area and contaminated ground water on September 20, 2002. The Remedial Design was completed January 7, 2004; Remedial Action was begun immediately; and Construction Complete was recorded September 14, 2004. The remediation systems have been in operation since 2004.

Site Facts:

ENVIRONMENTAL PROGRESS



Disconnecting the contaminated Cleburn Street well from the municipal water supply and containing the contaminated ground water plume to prevent further migration of contaminants toward other municipal supply wells has reduced the risk of residents coming into contact with contaminants from the site. Additional monitoring wells have been installed at two of the dry cleaner source areas, allowing monitoring of the contamination as called for by the June 1996 ROD. Construction of the treatment systems at the primary source area, the former One Hour Martinizing dry cleaning facility, has been completed. The treatment systems have been operating since 1999 and are being monitored and maintained by EPA and the state. Since 2007, EPA has been conducting activities to optimize the performance of the treatment systems and to determine whether additional treatment technologies are needed. Additional ground water investigations and pilot studies are planned to address residual and migratory contamination for 2009.

At OU5 (former Nebraska Solvent Company site), the remedies have been constructed and have been operating since 2004. The eastern portion of the area has reached remediation goals. In the western portion, many of the monitoring wells have attained cleanup goals. Additional actions will be performed which include shallow soil excavation and thermal treatment. EPA proposed a change to the current remedy in October 2008 and held a public comment period on the proposal. Based on the outcome of the comment period, EPA will amend the Record of Decision in the near future.

A Five Year Review covering all operable units at the site was completed in 2008.

COMMUNITY INVOLVEMENT

EPA ensures community members know about and participate in site issues and activities. Region 7 has assigned an EPA Community Involvement Coordinator to the site to answer community member/elected official/media questions and concerns; made the community aware of the Superfund Technical Assistance Grant; conducted community interviews; implemented a community involvement plan; briefed community members, elected officials and the media on site activities; held public meetings and/or public availability sessions; developed/mailed site-specific fact sheets; published display ads in local newspapers; and in some cases facilitated the community in forming community advisory groups. The community involvement activities have been on-going since the site was proposed to the NPL.

4/98 - Fact sheet announcing start of on-site construction of selected remedies, and public availability session on 4/13/98.

5/01 - Fact sheet announcing Proposed Plan and public meeting to take public comments on 6/19/01. Display ad in the Grand Island *Independent* announcing meeting.

4/02 - Fact sheet announcing agreement to implement the ROD to address contaminated soil and

ground water at OU5.

4/04 - Fact sheet announcing completion of first 5-year review and availability of the review report. Display ad placed in the Grand Island *Independent* .

With the exception of occasional contact with the public and officials of the City of Grand Island, no further planned community relations are being conducted.

11/07 - Fact Sheet announcing the start of the second Five Year Review.

10/08 - Fact Sheet announcing Proposed Plan to amend ROD. Display Ad in newspaper. Public Meeting to take comments.

2/09 - Fact Sheet announcing completion of second Five Year Review and Next Steps.

SITE REPOSITORY



Edith Abbott Memorial Library,
211 N. Washington Street,
Grand Island, NE 68801

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

REGIONAL CONTACTS

SITE MANAGER:

E-MAIL ADDRESS:

PHONE NUMBER:

DeAndre Singletary

singletary.deandre@epa.gov

(913) 551-7373

COMMUNITY INVOLVEMENT

COORDINATOR:

PHONE NUMBER:

E-MAIL ADDRESS:

Beckie Himes

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himes.beckie@epa.gov

STATE CONTACT:

PHONE NUMBER:

Scott Summerside

402/471-6411

MISCELLANEOUS INFORMATION

STATE:

NE

07ES

CONGRESSIONAL DISTRICT:

03

EPA ORGANIZATION:

SFD-IANE/SUPR

MODIFICATIONS

Created by:

Karla
Asberry/SUPRFUND/R7/US
EPA/US

Created Date:

10/02/97 09:11 AM

Last Modified by:

Beckie
Himes/R7/USEPA/US

Last Modified Date:

02/09/2009 10:51 AM