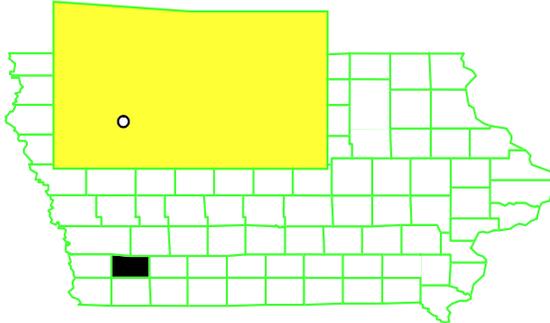


RED OAK CITY LANDFILL
IOWA
EPA ID# IAD980632509

EPA Region 7
City: 1 mile northwest of Red Oak
County: Montgomery County

04/08/2009

Other Names: Union Carbide Disposal



SITE DESCRIPTION

The 40-acre Red Oak City Landfill site is an inactive landfill located within an old limestone quarry in a rural setting. Of the 40 acres, 20 acres were used for disposal. The landfill is bounded on the west by Parkwest Road, now G Avenue, and on the east by the East Nishnabotna River. Quarrying activities at the site were conducted by strip mining from the late 1940s to the early 1960s. The City of Red Oak purchased the site property in 1962, and converted it into a municipal landfill. From 1962 until 1974, municipal waste and industrial waste that included hazardous substances were deposited in the landfill. There was a thin layer of soil covering the landfill and, at some points, waste materials, including 55-gallon drums, were exposed to the surface. The eastern portion of the landfill, adjacent to the East Nishnabotna River, was being eroded as a result of river bank undercutting and surface water runoff. Approximately 7,000 people located within three-miles of the site depend on ground water as a source of drinking water. The nearest residence uses a private well located 1,800 feet away from the landfill. There are 250 people living within a one-mile radius of the site.

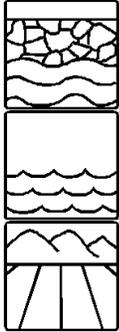
Site Responsibility:

This site is being addressed through Federal and potentially responsible parties' actions.

NPL LISTING HISTORY

Proposed Date:	06/10/86
Final Date:	03/31/89
Deleted Date:	09/26/2005

THREATS AND CONTAMINANTS



VOCs including toluene and xylene and heavy metals including chromium, lead, and barium from the landfilling practices have been detected in the soil, ground water, and surface water at low concentrations. The sediments near the landfill contain toluene. Ingestion of or direct contact with the contaminated ground water, surface water, soils or sediments could be hazardous. The landfill is situated in permeable soil, which increases the chances of the ground water becoming contaminated.

CLEANUP APPROACH

Response Action Status

Entire Site: The flood of 1993 caused significant soil erosion of the landfill banks adjacent to the river. In consideration of new information, EPA prepared an Explanation of Significant Differences (ESD) in January, 1996. Subsequently, EPA conducted negotiations with the Potentially Responsible Parties (PRPs) to implement the remedy pursuant to a Consent Decree. The PRPs included the City of Red Oak, local industries, and industries previously located in the community. Negotiations were completed in August 1996, and in October 1996, the Consent Decree was lodged. Pursuant to this Consent Decree, the PRPs have conducted and/or completed the following activities. In December 1996, the PRPs reimbursed the government for past costs and provided funding for future EPA oversight. A group of the PRPs conducted a streamlined remedial design and constructed a landfill cap at the site during the fall of 1997. Another group of PRPs is now conducting the operation and maintenance activities following successful completion and approval by EPA of the remedial action. The project has been declared operational and placed under the responsibility of the City of Red Oak and Magna International, Inc.

Site Facts:

ENVIRONMENTAL PROGRESS



After placing the Red Oak Landfill site on the NPL, EPA determined, after a preliminary assessment of site conditions, that no immediate actions were required while final site cleanup activities were being planned. Those final remedial activities were carried out. The landfill cap was installed, with diversion and drainage structures to control the precipitation falling on the landfill. The river bank slope was contoured and revegetated to prevent erosion. Access controls, in the form of fences and signs, were installed and institutional controls were placed on the site. Ground water monitoring was instituted, and is being carried out semi-annually. A water well survey was completed of the immediate area of the site, showing no ground water users will be directly affected by the site. A five-year review was completed on September 10, 2002. The review found that the remedy is currently functioning as designed and is protective of human health and the environment. A second five-year review was completed on September 7, 2007. The review concluded that the remedy at the site is protective of human health and the environment. All threats at the site have been addressed through capping of contaminated soil and waste onsite, construction of diversion and drainage structures, contouring and revegetation of the river bank slope, access and institutional controls, and ground water and surface water monitoring. The review also concluded that the riverbank slope should be closely monitored and repaired as necessary. In 2007, it was discovered during a site inspection that river bank slope repairs will be needed due to the slippage of portions of the river bank slope surface. Buried waste materials were not exposed. The Operation and Maintenance parties provided a schedule for repairs in 2008. The site is a 2007 Return-to-Use-Initiative Demonstration Project. A Reuse Assessment report will be generated in 2008, that identifies potential reuse opportunities and can be used as a tool to facilitate further reuse discussions with interested parties.

COMMUNITY INVOLVEMENT

5/02 - Fact Sheet announcing start of First Five-Year Review. Display ad notification in the *Red Oak Express*.

9/02 - Fact Sheet announcing Availability of First Five-Year Review Report. Display ad notification in the *Red Oak Express* .

7/05 - Fact Sheet announcing proposal to delist site from NPL. Display ad notification in *Red Oak Express* . Press release sent to media outlets.

9/05 - Fact Sheet announcing delisting of site from NPL. Display ad notification in the *Red Oak Express* . Press release sent to media outlets.

2/07 - Fact Sheet announcing the start of the Second Five-Year Review. Display ad notification in the *Red Oak Express*.

11/07 - Fact sheet announcing the Availability of the Second Five-Year Review Report. Display ad notification in the *Red Oak Express* .

SITE REPOSITORY



Red Oak Public Library
Second and Washington
Red Oak, IA 51566

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

REGIONAL CONTACTS

SITE MANAGER:	Shelley Brodie
E-MAIL ADDRESS:	brodie.shelley@epa.gov
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COMMUNITY INVOLVEMENT COORDINATOR:	Fritz Hirter
PHONE NUMBER:	(913) 551-7130
E-MAIL ADDRESS:	hirter.fritz@epa.gov
STATE CONTACT:	Robert Drustrup
PHONE NUMBER:	(515) 281-8900

MISCELLANEOUS INFORMATION

STATE:	IA
	07X4
CONGRESSIONAL DISTRICT:	05
EPA ORGANIZATION:	SFD-IANE/SUPR

MODIFICATIONS

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