

**DOEPKE DISPOSAL
(HOLLIDAY)**

KANSAS

EPA ID# KSD980632301

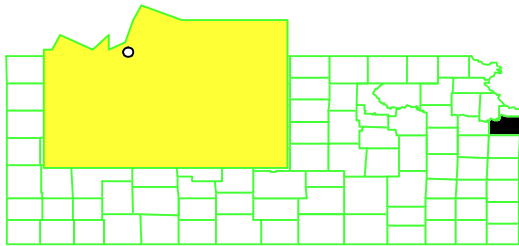
EPA Region 7

**City: Southern bluffs of the Kansas River
Valley**

County: Johnson County

Other Names: Doepke-Holliday Site

04/08/2009



SITE DESCRIPTION

Between 1963 and 1970, the 80-acre Doepke Disposal (Holliday) site operated as a private industrial and commercial landfill and accepted unknown quantities of wastes such as paint sludges, solvents, pesticides, metal sludges, and fiberglass resins. Liquids seeping from the site flow through a culvert under Holliday Drive into the Kansas River. In the early 1960s, many wastes were burned and buried. Liquids were later stored in ponds on the site. In 1966, with Johnson County approval, 374 drums of various pesticides and solvents were placed with fire debris in a trench. When the state of Kansas closed the site in 1970, it was covered. The population estimate at the time the site was listed on the National Priorities List (NPL) was approximately 150 people within 1 mile of the site and 2,500 within 3 miles. The population may have increased since that time. Residents of Johnson County get drinking water from 21 wells in the Kansas River alluvial aquifer and from a river intake about 3/4 mile downstream of the site; 200,000 people are served by these systems. About 30 wells lie within 3 miles; the nearest is 1/2 mile away. Contaminants are not migrating off site in large enough concentrations to affect water quality in the Kansas River.

Site Responsibility:

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

NPL LISTING HISTORY

Proposed Date: 12/30/82

Final Date: 09/08/83

Deleted Date:

THREATS AND CONTAMINANTS

The groundwater, soil, and leachate are contaminated with volatile organic compounds (VOCs), pesticides, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), and heavy metals from former waste disposal activities. Subsurface soils and wastes contain significant concentrations of contaminants and could threaten people working or trespassing on the site. On-site contaminated groundwater is not being used, so exposure to contaminants is unlikely.

CLEANUP APPROACH

Response Action Status

Entire Site: The EPA selected a remedy for this site in 1989 featuring removal and off-site treatment of contaminated liquids ponded underground in the area of the former surface impoundments, if needed; and construction of an impermeable multi-layer cap over the waste disposal area. Collection and off-site treatment of significant groundwater seepage was also included as well as groundwater monitoring to determine the effectiveness of the remedy. Deed and access restrictions apply to the site. A Preliminary Design Investigation (PDI) concluded that two elements of the remedy were not necessary: removal of ponded liquids and seep collection and treatment. The rationale is provided in the Explanation of Significant Differences (ESD). Specifically, the ponded liquids did not adversely affect the structural integrity of the cap. Regarding the seeps, the frequency and level of contaminants did not require collection or treatment. The potentially responsible parties completed the design of the remedy in 1993. Cleanup actions began in the spring of 1995 and construction was completed in October 1996.

Site Facts: In 1987, Deffenbaugh Industries, Inc. entered into a Consent Agreement with the

EPA that directed the company to study site contamination and to develop cleanup options. An Administrative Order on Consent was signed with the potentially responsible parties in 1990 to design the remedy for the site. On May 24, 1996, a Consent Decree was entered by the U.S. District Court which required the parties to implement the remedial actions.

ENVIRONMENTAL PROGRESS



Construction activities at the site are completed. Construction of the impermeable multi-layer cap over the waste disposal area and long-term operation and maintenance activities have reduced the potential for exposures to contaminated materials. Ground water and seep monitoring activities are ongoing. The first Five-Year Review was completed on September 27, 2000. The second Five-year Review was completed on September 27, 2005. Both reviews concluded that the remedy continues to be protective, and is functioning as designed and in accordance with the Record of Decision. Groundwater and seep monitoring continue on a regular basis and also indicate that the remedy is protective. The next Five-Year Review will be completed by September, 2010.

COMMUNITY INVOLVEMENT

09/82 Factsheet announcing preliminary investigations
05/85 Factsheet
02/04/86 Community Involvement Plan
10/86, 09/86, 08/86, 07/86, 06/86, 05/86 Factsheets
02/88 Factsheet announcing the administrative record
09/26/88 Factsheet
12/29/88 Factsheet announcing current activities and enforcement action
02/27/89 Factsheet
04/04/89 Citizen Letter announcing EPA's intent to hold a public meeting on 8/16/89 to discuss Proposed Plan
08/89 Factsheet announcing EPA's remedial cleanup alternatives
03/94 Factsheet announcing cleanup activities
04/95 Factsheet announcing remedial action activities and when they were scheduled to begin
11/95 Factsheet announcing site update
04/19/05 Factsheet announcing Availability Session
03/21/95 Revised Community Relations Plan
08/05 Factsheet announcing Start of Second Five-Year Review
08/13/05 and 08/17/05 Notice of Five-Year Start in Kansas City Star, Shawnee Edition

11/05 Factsheet announcing Completion of Second Five-Year Review

11/26/05 Notice of Five-Year Completion in Kansas City Star, Shawnee Edition

SITE REPOSITORY



Johnson County Public Library,
8700 West 63rd Street
Merriam, KS 66201

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

REGIONAL CONTACTS

SITE MANAGER:

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COMMUNITY INVOLVEMENT

COORDINATOR:

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STATE CONTACT:

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(785) 296-1914

MISCELLANEOUS INFORMATION

STATE:

KS

0712

CONGRESSIONAL DISTRICT:

03

EPA ORGANIZATION:

SFD-IANE/SUPR

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