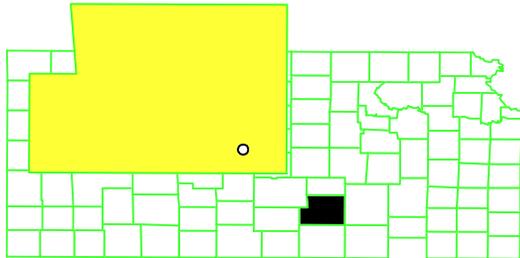


JOHNS' SLUDGE POND
KANSAS
EPA ID# KSD980631980

EPA Region 7
City: Wichita
County: Sedgwick County
Other Names:

02/11/2009



SITE DESCRIPTION

The Johns' Sludge Pond site is a 1/2 acre site located in an industrialized area in northern Wichita, Kansas. From 1951 to 1970 the Super Refined Oil Company, which is no longer in business, recycled waste oil and disposed of an estimated 7,000 cubic yards of oily sludge in an unlined pond. The principal hazard associated with the site was the acidity of the sludge and the water lying above it. Historically, the site would overflow periodically during periods of heavy rainfall, releasing its contents to the surrounding surface waters. Approximately one-half of the site is owned by the Ethel Johns' estate. Wichita condemned the north-western portion of the site in the 1970s, in order to provide drainage along the adjacent highway which was under construction at the time, and as a result, own that portion of the site which was condemned. A drainage ditch located adjacent to the site carries surface water from the site to Chisholm Creek, 1 1/2 miles downgradient of the site. Chisholm Creek flows into a concrete ditch receiving runoff from the adjacent highway and empties into the Arkansas River south of the city. Fishing takes place in a borrow pit located adjacent to the site. Currently, there are no wells at or near the site used for drinking.

Site Responsibility:

This site was addressed through federal and responsible party actions.

NPL LISTING HISTORY

Proposed Date:	12/30/82
Final Date:	09/08/83
Deleted Date:	01/06/92

THREATS AND CONTAMINANTS

Before cleanup, the site pond contained highly acidic sludge and acidic water. The EPA found heavy metals including lead, as well as polychlorinated biphenyls (PCBs) in some of the sludge at the site. The site cleanup has removed the potential exposure and allowed the site to be protective of human health and the environment.

CLEANUP APPROACH

Response Action Status

Initial Actions: In accordance with a Consent Order signed with EPA, Wichita conducted a removal action on the site property. The removal action cleanup consisted of removal of sludge from the disposal cell and stockpiling on adjacent ground surface, installation of a clay liner on the bottom of the disposal cell, solidifying the stockpiled sludge with cement kiln dust, redepositing the solidified sludge in the lined disposal cell, constructing a compacted clay cap over the sludge and on the sidewalls of the disposal cell, installation of a soil cover over the clay cap, and seeding with vegetation, construction of a fence, deed restrictions, and post-closure groundwater monitoring and surface water monitoring. EPA installed additional groundwater monitoring wells to determine the direction of groundwater flow and to monitor groundwater. The groundwater monitoring and surface water monitoring have been conducted by Wichita's Environmental Health Department, and post closure maintenance of the site is being provided by Wichita's Public Works Department.

Entire Site: In 1989, EPA, in consultation with the Kansas Department of Health and Environment (KDHE), determined that no further remediation was required for the Johns' Sludge Pond site and signed a Record of Decision (ROD) selecting the no-further action remedy. EPA found that the remedial action conducted at the site by Wichita was protective of human health and the environment. The site was deleted from the National Priorities List (NPL) in January 1992.

Site Facts: In 1985, EPA entered into a Consent Order with Wichita, requiring the city to conduct a removal action at the site. Wichita completed a site cleanup in 1986 which consisted of removal of contaminated sludge from the disposal cell and stockpiling on adjacent ground surface, installation of a clay liner on the bottom of the disposal cell, solidifying the stockpiled sludge with cement kiln dust, redepositing the solidified sludge in the lined disposal cell, constructing a compacted clay cap over the sludge and on the sidewalls of the disposal cell, installation of a soil cover over the clay cap, and seeding with vegetation, construction of a fence, deed restrictions, and post-closure groundwater monitoring and surface water monitoring. EPA selected the no further remedial action remedy in the Record of Decision (ROD) on September 22, 1989. Five-year reviews of this remedial action have been conducted in 1991, 1997, 2002 and 2007. The 2007 five-year review of this site found that the remedy continues to be protective of human health and the environment. The next five-year review report is scheduled to be completed in 2012.

ENVIRONMENTAL PROGRESS



The remedial action performed by Wichita has provided a remedy which is protective of human health and the environment. EPA selected the no further remedial action remedy in a Record of Decision in 1989. The Johns' Sludge Pond site was deleted from the National Priorities List (NPL) on January 1, 1992. The groundwater monitoring and surface water monitoring continue to be conducted by Wichita's Department of Environmental Health, and post closure maintenance of the site is provided by Wichita's Public Works Department. Five-year reviews of the site have been conducted in 1991, 1997, 2002 and 2007. The next five-year review report is scheduled to be completed in 2012.

COMMUNITY INVOLVEMENT

04-01-86	Factsheet announcing overview of site and Administrative Order issued to Wichita
06-01-86	Factsheet announcing Superfund activities, Wichita's responsibilities under the Order and EPA's desire to seek deletion of the site from the NPL
07-01-86	Factsheet announcing upcoming meeting between EPA and Wichita
08-01-86	Factsheet announcing Superfund activities
09-01-86	Factsheet announcing Superfund activities

10-01-86 Factsheet announcing Superfund activities
11-01-86 Factsheet announcing Superfund activities
12-29-86 Community Involvement Plan
01-01-87 Factsheet
02-01-87 Factsheet announcing Superfund's completion of the initial draft documents
required by EPA R7's proposal to delist the site from the NPL
03-11-87 Public Notice of EPA's proposal to delist the site and provide public comment
period
09-26-88 Factsheet announcing Superfund activities
08-89 Factsheet announcing Proposed Plan
02/02 Factsheet announcing EPA's oversight of the city of Wichita to remove sludge
from the unlined pond and stored onsite.
09/02 Factsheet announcing sampling event
10/02 Factsheet announcing five-year review
2/07 Fact sheet and display ad announcing fourth five-year review

SITE REPOSITORY



Wichita City Hall,
455 N. Main,
Wichita, KS 67202

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:

Catherine Barrett/SUPR/R7/USEPA/US

barrett.catherine@epa.gov.

(913) 551-7704

COMMUNITY INVOLVEMENT

COORDINATOR:

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E-MAIL ADDRESS:

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STATE CONTACT:

PHONE NUMBER:

Travis Daneke

(785) 296-6378

MISCELLANEOUS INFORMATION

STATE:

KS

0735

CONGRESSIONAL DISTRICT:

04

EPA ORGANIZATION:

SFD-SUPR/MOKS

MODIFICATIONS

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