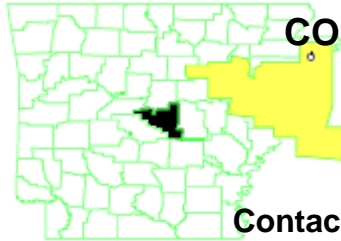


**JACKSONVILLE
MUNICIPAL LANDFILL
ARKANSAS**

**EPA ID# ARD980809941
Site ID: 0600236**



**EPA REGION 6
CONGRESSIONAL DISTRICT 1
Loanoke County**

Other Name: Graham Road Landfill

**Contact: Shawn Ghose (214) 665-6782
Updated: January, 2012**

Background

This Site is adjacent to the Rogers Road Municipal Landfill Superfund Site. The Sites have been handled together throughout the Superfund process. The ground water monitoring program for these Sites was combined due to their proximity

From 1960 through 1973, the landfill accepted both municipal and commercial waste including dioxin and herbicide-contaminated material from the nearby Vertac Chemical Corporation plant. The Site was added to the National Priorities List (NPL) on July 22, 1987.

The Record of Decision (ROD) was signed on September 27, 1990. The ROD selected excavation, soil cover and offsite thermal treatment and disposal at the Vertac Superfund Site as the remedy.

Under a June 20, 1994, Consent Decree (CD), EPA performed the work that involved handling the hazardous substances and the City of Jacksonville, one of the PRPs, performed the non-hazardous work. EPA performed its portion of the work from August 1994 through November 1994. The waste incineration at Vertac was also completed in November 1994. The City performed its portion of the work from August 1994 through September 1995.

Three Five Year Reviews were completed in 2000, 2005 and 2010.

The Site was deleted from the National Priorities List on March 14, 2000.

Current Status

- EPA signed the Preliminary Closeout Report and conducted a ribbon-cutting ceremony signifying construction completion on September 25, 1995.
- EPA signed the Closeout Report on April 30, 1996.
- Deed restrictions, to keep residents from disturbing the soil cover in the excavated areas and from using the onsite ground water were filed in August 1999.
- The first Site Five-Year review was issued on September 27, 2000.
- The site was deleted from the National Priorities List (NPL) in 2000.
- The Second Five-Year Review was completed on September 29, 2005
- The Third Five Year Review was completed in 2010.

Benefits

- Excavation of all hazardous substances at the site has eliminated the potential for exposure to contaminants at the Jacksonville Landfill.
- Access to the site will remain restricted and the City will continue to conduct operation and maintenance activities.
- Had the site not been cleaned up, it would have continued to act as a source of soil contamination and a potential source of ground water contamination.
- The city intends to use the land, possibly for community purposes.

Site Description

Location: On Graham Road east of Jacksonville, Arkansas, just inside the Pulaski County line. North of Little Rock. The Rogers Road Landfill site is located approximately 2 mile to the west.

Population: Estimated at 10,000, within three miles of the site.

Setting:

- * An estimated 10,000 people draw drinking water from public and private wells.
- * A private water well is 500 feet from the site.
- * The site encompasses approximately 40 acres of an 80-acre tract of land and is used for recreational purposes, such as hunting.
- * In addition to municipal waste, drums of industrial wastes were illegally dumped in the landfill.
- * On-site soil and drums were contaminated with 2,3,7,8-tetrachlorodibenzo (P) dioxin (2,3,7,8-TCDD), 2,4-D, 2,4,5-T, and 2,4,5-TP.

Hydrology: Deposits underlying the site are composed of silty clay to about 80 feet. Ground water and surface water flows are to the southeast.

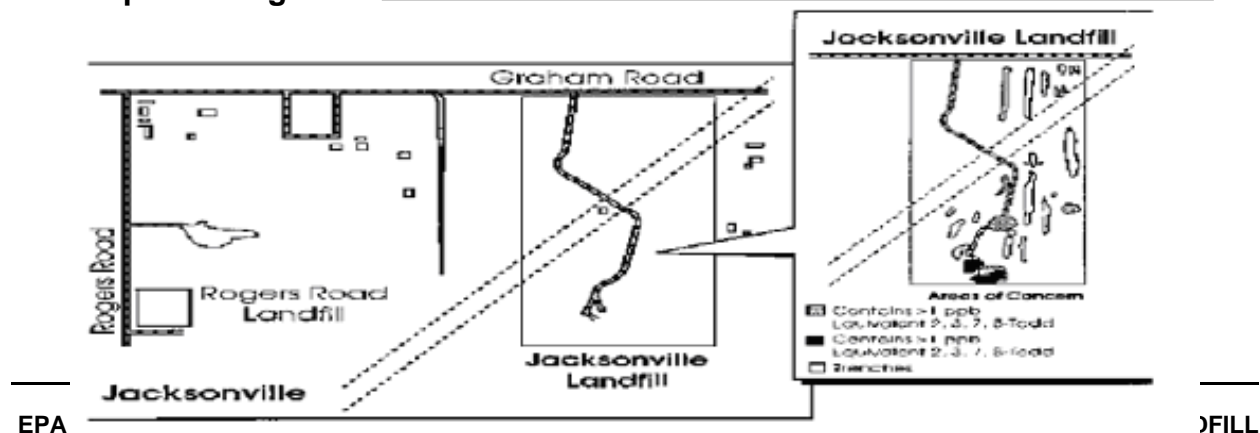
Wastes and Volumes

- The principal pollutants at the Jacksonville Municipal Landfill included 2,3,7,8-TCDD (dioxin), and herbicides (2,4-D, 2,4,5-T and 2,4,5-TP).
- 498 cubic yards of contaminated soil and 22 drums of hazardous materials were excavated during the site remediation.
- Contamination was confined to four isolated drum pile locations. There is no off-site contamination.

Site Assessment and Ranking

NPL LISTING HISTORY
Site HRS Score: 29.64
Proposed Date: 01/22/87
Final Date: 07/22/87
NPL Update: No. 6

Site Map and Diagram



The Remediation Process

Site History:

- The City of Jacksonville purchased the site in June 1960 and operated it as a municipal landfill until 1973.
- Industrial and municipal wastes were at first burned and then later dumped into unlined trenches. No cover was applied at the end of the day.
- The Site was closed in July 1973, when the Arkansas Department of Pollution Control and Ecology (ADPC&E), now know as the Arkansas Department of Environmental Quality, refused to grant a landfill permit due to the high water table and poor drainage.
- In early 1986, the City of Jacksonville fenced the site to prevent public access.

Health Considerations:

- Potential for direct contact.
- Potential for contamination of residential wells.

Record of Decision

Signed: September 27, 1990

- The remedy selected for the Jacksonville Municipal Landfill included excavation of the on-site waste material, thermal treatment and ash disposal of this material at the Vertac Chemical Corp., capping of residual waste on-site, long term ground water monitoring and site maintenance.

Other Remedies Considered

Reason Not Chosen

- | | |
|------------------------------------|---|
| 1. No action | Not protective |
| 2. Capping | Not permanent, does not satisfy EPA's preference for treatment. |
| 3. Off-site thermal destruction | No commercial facility presently permitted to accept dioxin waste. |
| 4. Thermal destruction at landfill | Less secure location than at landfill Vertac; not industrially zoned. |

Community Involvement

- Community Involvement Plan: Developed 11/88.
- Open houses and workshops: Open house 7/88; Update 11/88 and 3/89; Open house and Update 7/89; Update 12/89; Update 5/90; Update 6/94.
- Original Proposed Plan Fact Sheet and Public Meeting: 07/90.
- Original Record of Decision (ROD) Fact Sheet: 10/90.
- Milestones: Satellite Office Open 7/90 - Continuing Community Outreach/Contact.
- Remedial Design/Remedial Action (RD/RA) Public Meeting, 8/94
- Citizens on site mailing list: 250
- Constituency Interest: Highly organized community interest (PACCE, FUSE, ACCA, ECA, AA, NAACP, Greenpeace, JPWP, AARF). Elected officials at all levels are keenly aware of and

interested in this site.

- Site Repository: Jacksonville City Hall
- Community Relations for this site are also accomplished through Vertac Chemical site outreach.

Technical Assistance Grant

- Original Availability Notice: 4/88, 1/92
- Letters of Intent Received:
 - 1) Jacksonville People With Pride Cleanup Coalition (JPWPCUC)
 - 2) Vertac Area Citizens Group
 - 3) Friends United for a Safe Environment
 - 4) People Against Chemically Contaminated Environment
- Final Application received: 02/22/89
- Grant Award: 05/18/89 to JPWPCUC
- Budget Period: 04/05/93-04/04/95
- Current Status: Grant award to JPWPCUC was annulled 12/91 due to apparent conflict of interest.

- Availability re-advertised 01/92
- Letters of Intent received:
 - 1) Jacksonville Superfund Oversight Committee
 - 2) People Against a Chemically Contaminated Environment
 - 3) Jacksonville Superfund Cleanup Coalition
 - 4) Concerned Citizens Coalition (CCC)
- Final Application Received: 2/24/93
- Grant Award: 04/05/93 to CCC
- Budget Period: 04/05/93-04/04/96
- Grantee: Concerned Citizens Coalition, Inc. (CCC) Bob Johnson, President, Jacksonville, AR
- Technical Advisor selected 9/94, ECO, Inc., contract signed 12/94, terminated 12/95.
- Second Technical Advisor, Carlisle Consulting, Inc., selected 3/96, document reviews and input to remedy selection resumed.
- Current Status: Significant effort and outreach by EPA resulted in consolidation of competing groups onto the CCC Board of Directors. All funds disbursed and grant closed out.
- Another TAG awarded to CCC
- Grant Award: 04/05/96 to CCC
- Budget Period: 04/05/96-04/04/99
- Tag expired 04/04/99. TAG is currently being closed and deobligated.

Contacts

- Remedial Project Manager (EPA): Shawn Ghose M.S., P.E., 214-665-6782, Mail Code: 6SF-AP
- State Contact: Brian Wakelyn (ADEQ), 501-682-0845
- Community Involvement (EPA): Shawn Ghose M.S., P.E., 214-665-6782, Mail Code: 6SF-AP
- State Coordinator (EPA): Kathy Gibson, 214-665-3139, Mail Code: 6SF-AP
- Prime Contractor: RD/RA - U.S. EPA TAT Team, Ecology & Environment
- Public Liaison (EPA): Donn R. Walters, 214-665-6483
- EPA Toll Free Telephone No. 1-800-533-3508

Enforcement

- RD/RA Special Notice Letters issued 1/88.
- Consent Decree (CD) between EPA and one settling PRP entered 5/94.
- CD covered excavation and off-site treatment of site waste.

