

**MID-SOUTH WOOD PRODUCTS  
ARKANSAS**

**EPA ID# ARD092916188  
Site ID: 0600136**



**EPA REGION 6  
CONGRESSIONAL DISTRICT 4  
Polk County  
Other Names: Mid-South Lumber  
Products  
Contact: Shawn Ghose 214-665-6782**

**Updated: March 2009**

Preparing a Sampling plan to resolve issues relating to the overburden aquifer and water treatment plant operation. The next update of this summary is scheduled for July 2009.

**Current Status and Issues**

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- Copper/chromium/arsenate wood treatment was conducted at the site between 1977 and 2007.
- The existing water treatment plant as a treatment system for the ground water stopped operating in 2006.
- The Third Five year Review was signed on September 25, 2007. The Capped Landfarm and the Old Pond remedies were determined to be protective of human health and the environment. The groundwater recovery system was determined to be protective of the human health and the environment in the short term. However, with reactivation of the water treatment plant with a trained operator, the remedy will be protective of human health and the environment in the long term.
- The 2<sup>nd</sup> Five Year Review in September 2002.
- The 1<sup>st</sup> Five Year Review was completed in June 1997.

**Benefits**

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- A ground water extraction and treatment system is treating ground water to the following standards and preventing contamination from migrating off site.

- PCP	0.20 ppm	- Chrysene	0.01 ppm
- Benzo(a)anthracene	0.01 ppm	- Arsenic	0.05 ppm
- Benzo(a)pyrene	0.01 ppm	- Chromium	0.05 ppm
- Benzo(b+k)fluoranthene	0.01 ppm		
- Approximately 100,000 cubic yards of contaminated soil were stabilized and capped on-site, protecting workers on site and preventing contamination from migrating off site.

**Site Description**

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**Location:** North of U.S. Highway 71 just west of Mena in Polk County, western Arkansas.

**Population:** Approximately 40 to 50 people reside on the 18 properties that are adjacent to the site.

**Setting:** The Mid-South site is comprised of approximately 57 acres.

Past activities on site included a sawmill and wood preserving operation. Wood preservatives used on site were creosote, pentachlorophenol (PCP) and copper, chromium arsenate (CCA)

Hydrology: Soil cover on the Mid-South site and surrounding area is relatively thin and limited to 1.0 - 10 feet throughout the site. The cover soils are underlain by weathered shale and sandstone. Ground water flows through the fractured rock regime. The primary direction is to the northwest along the anomalous zone (fault) and the southwest along the railroad flexure. Surface drainage is controlled by a drainage divide that crosses the site from the northwest to southeast in the eastern section of the site. Precipitation that falls east of the divide flows eastward into an unnamed tributary of Prairie Creek. Runoff also flows westward from the drainage divide through the landfill area to East Fork Moon Creek. There are 14 nearby wells, five located along Highway 71, and seven are along County Road 374. Since the beginning of the Remedial Investigation, homes northwest of the site (direction of ground water flow) have been connected to the Mena City Water System.

## Wastes and Volumes

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The principal pollutants at the Mid-South Wood Products Superfund site included:

	<u>Soil (ppm)</u>	<u>Groundwater (ppm)</u>
Arsenic	5.6 - 270.0	0 - 1.8
Chromium	19.4 - 450	0 - 0.4
Pentachlorophenol (PCP)	0 - 11,000	0 - 44

The volume of contaminated soil stabilized and capped was approximately 100,000 cubic yards.

## Site Assessment and Ranking

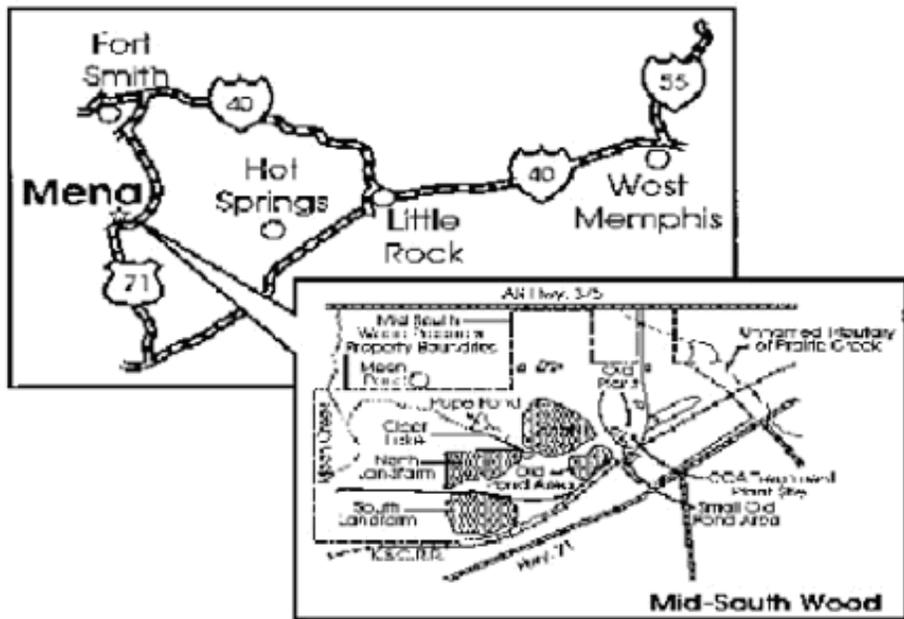
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The Department of Interior noted a threat to valuable stream fisheries. These concerns were taken care of in the HRS package when scoring critical habitat.

NPL LISTING HISTORY Site HRS Score: 45.87 Proposed Date: 12/30/82 Final Date: 9/08/83 NPL Update: Original
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## Site Map and Diagram

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## The Remediation Process

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### Site History:

The plant site was originally developed by Nebraska Bridge Supply & Lumber Company in the late 1930s. In 1955, the facility operated under the name of Three States Lumber Company, with pressure treating of lumber being the primary activity. Edward Hines Lumber Company purchased the site in 1967 and operated the plant as a PCP and creosote wood treatment facility. In 1977, Hines converted the operation to a chromated copper arsenate (CCA) wood-treating process. In 1978, MidSouth acquired the property from Hines and has since continued to use the CCA process.

### Health Considerations:

Surface waters were contaminated with pentachlorophenol, creosote, arsenic, and chromium.

### Other Environmental Risks:

There is subsurface ground water contamination. Approximately 5700 people are served by drinking water wells within one mile of the site.

## Record of Decision

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Signed: November 14, 1986

The remedy for the Mid-South Wood Products Superfund site included the following:  
Excavated heavily contaminated materials in Old Pond/Old Plant area and stabilized wastes.  
Consolidated this material with contaminated soils in landfarm area; covered with cap.

Stabilized wastes in Old Pond and North Landfarm areas and covered with a clay cap. Completed installation of ground water recovery and treatment system. Pump and treat contaminated ground water. This remedy will protect humans from unhealthy exposures to contaminated soil as well as surface and ground water.

### Other Remedies Considered

1. Containment
2. Source Removal

### Reason Not Chosen

Did not include treatment.  
Did not include treatment; selected remedy was more protective of public health

### Enforcement

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The Consent Decree for RD/RA was filed on May 16, 1988 and signed by EPA, Edward Hines Lumber Co. and Mid-South Wood Products.

### Community Involvement

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- Community Involvement Plan: Developed 04/84, revised 01/88.
- Original Proposed Plan Fact Sheet and Public Meeting: 08/85 and 08/86.
- Original ROD Fact Sheet: 01/88.
- Milestone Fact Sheets: Remedial Design approval fact sheet 5/88; Remedial Action completion fact sheet 9/89; Update 10/90; Open House 1/94; Update 2/94;
- Citizens on site mailing list: 73
- Constituency Interest: Low public interest, not formally organized. Primary concern is the potential economic impact of any action on a major employer.
- Site Repository: Polk County Library

### Technical Assistance Grant

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- Availability Notice: 01/89
- Letters of Intent Received: None
- Grant Award: N/A

### Contacts

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