

MONROE AUTO EQUIPMENT CO. (PARAGOULD PIT) ARKANSAS



EPA REGION 6 CONGRESSIONAL DISTRICT 1

Contact:
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EPA ID# ARD980864110
Site ID: 0600246

Updated: June 2009

Current Status

Results of the groundwater sampling event conducted on April 9th and 10th, 2008, indicated that no wells contained contaminants above the remedial goals. Additionally, no wells had concentrations above MCLs in the Upper Wilcox aquifer. A second five year review is on schedule to be completed in the late Summer of 2009. This five year review will make a determination whether to delete the site from the NPL, and possibly terminate all groundwater monitoring.

Benefits

The EPA conducted initial investigations and had determined that the Site does not pose an immediate threat to area residents. No further EPA actions were required while the State oversaw the implementation by Monroe Auto of the remedy that is protective of human health and of the ground water.

National Priorities Listing (NPL) History

NPL Proposal Date: October 15, 1981
NPL Final Date: August 29, 1990

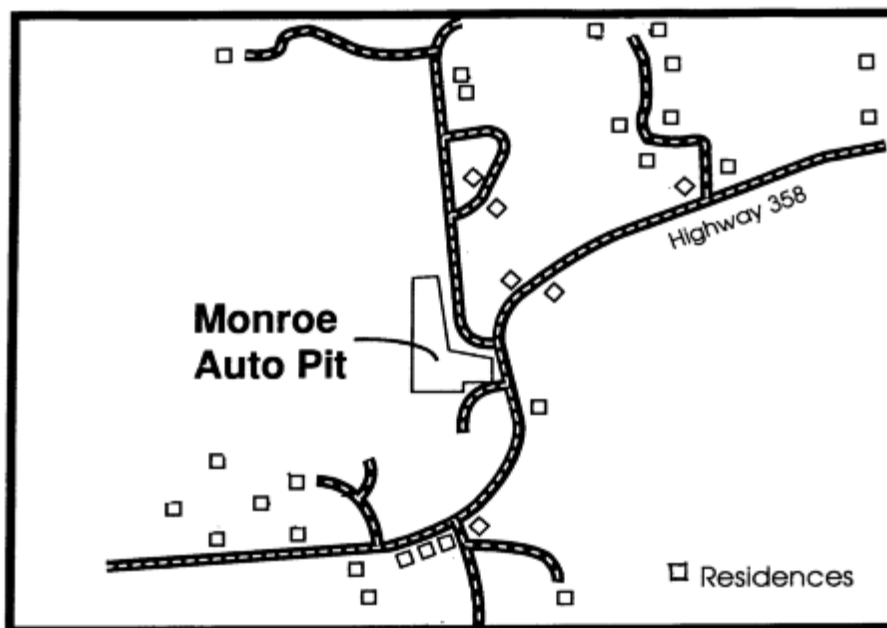
Site Description

Location: The Monroe Auto Pit Site (Site) is located on Arkansas Highway 358, about three miles west of the southern city limits of Paragould in Greene County, Arkansas. Greene County is located in northeastern Arkansas.

Population: Approximately 21,000 (City of Paragould).

Setting: The Site occupies 7 acres of a former sand and gravel borrow pit. Four acres of the Site are surrounded by a 6-foot chain link fence with barbed wire and a locked access gate. The area is basically rural and lightly populated with private residences located immediately south, north, and northeast of the Site. The Site is located on the eastern flank of Crowleys Ridge, a north-south trending physiographic feature. The topography of the Site area consists of undulating hills. Elevations at the Site vary from 460 feet above mean sea level (MSL) in the northeastern corner of the Site to 413 feet above MSL in the southwestern corner of the Site.

Site Map



Wastes And Volumes

Principal pollutants include solvents and degreasing agents such as 1,1 Dichloroethane, 1,2 Dichloroethylene, Xylenes, and metals such as chromium and lead. The Site contained an estimated 3000 cubic yards of electroplating waste (sludge) and 15,000 tons of contaminated soil.

Health Considerations

The Remedial Investigation evaluated risks to human health and the environment. Results from the risk assessment identified a future risk to a resident due to ingestion of contaminated soils, surface water, and groundwater. Future risks were also determined due to contamination of nearby streams from potentially contaminated surface springs runoff.

Record of Decision (ROD)

EPA signed the Record of Decision on September 26, 1996.

This ROD sets forth the selected remedy for the Site, which involves actions to address 1,1 DCE, 1,2 DCE, Xylenes and chromium and lead in the soils and groundwater. This was the only operable unit for the site and the selected remedial action is intended to address all areas of concern at the Site. The selected remedy is a comprehensive approach for the Site and addresses all current and potential future risks caused by the soil and ground water contamination. The major components of the remedy are:

Soil and Sludge: (Alternative 4B)

- 1) Cap the sludge disposal area in accordance with RCRA Subtitle C requirements.
- 2) Install a French drain around the area of sludge deposits. The French drain would intercept perched ground water before it enters the contaminated area.
- 3) Prohibit future development of the Site.

- 4) Conduct environmental monitoring to ensure effectiveness of the remedial action.
- 5) On April 19, 2000, the Arkansas Department of Environmental Quality issued an Amendment to the Proposed Plan outlining a new remedy that calls for the waste to be excavated and transported to a secure, licensed landfill.

Ground Water: (Alternative 2)

- 1) Reduce contaminant concentrations through naturally attenuating processes such as biological/chemical/physical degradation, adsorption and dispersion.
- 2) Place ground water use restrictions on the Site property.
- 3) Conduct ground water monitoring of monitoring wells on the Site and near the Site and residential wells.
- 4) Implement immediate and secondary contingency actions if necessary to protect human health and the environment.

Site Contacts

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