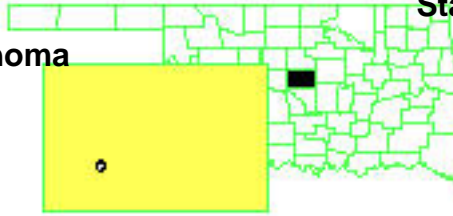


**MOSLEY ROAD SANITARY  
LANDFILL SITE**  
Oklahoma County, Oklahoma

**EPA Region 6  
State Congressional District 5**

**EPA ID# OKD980620868  
Site ID: 0601251**



**Contact: Michael Torres  
214-665-2108**

**Updated: January  
2009**

## **Current Status**

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- Construction & Demolition Debris (C&D) Placement, Landfill Cover System, and Final vegetative layer/cover operations are complete per Record of Decision specifications.
- A Landfill Gas Management System is also complete.
- Institutional Control are implemented and enforced by Waste Management of Oklahoma (WMO) and the Oklahoma Department of Environmental Quality (ODEQ).
- Ground Water Monitoring System is 100% complete; however, Semi-annual monitoring is ongoing.
- Remedial Action Activities were completed in September 2004.
- The second Five-Year Review (FYR) was completed on September 15, 2005. The remedy was found to be protective in the short-term.
- The third FYR was completed on September 25, 2009, one year before its usual statutory requirement.
- The third FYR determined that the site remedy is protective of human health and the environment in the short-term and will remain so in the long term provided some action items identified in the third FYR are addressed. WMO plans on addressing and completing these action items by summer 2010.
- The site holds the potential of being deleted from the NPL in September 2010.

## **Benefits**

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Remediation of the Mosley Road Sanitary Landfill Superfund Site reduces environmental and health risks for nearly 900 people within a 1-mile radius of the Site. Future land use will be limited to industrial use on this Site.

## **Site Description**

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**Location:** The Mosley Road Sanitary Landfill Site is located at 3300 Mosley Road, and bordered to the north by NE 36<sup>th</sup>, to the south by NE 23rd Streets, to the east by Burlington Northern rail line, and to the west by Mosley Road. Directly across from Mosley Road, there is a currently operating municipal solid waste landfill (East Oak Recycling and Disposal Facility).

Population: Approximately 925 people live within a one-mile radius of the Site. An estimated 57,000 people, including residents of Spencer and Midwest City, obtain drinking water from public and private wells within three miles of the Site.

Setting: The Site covers approximately 72 acres. Pesticides, industrial solvents, sludge, waste chemicals, and emulsions were deposited into three unlined pits. The pits are covered with approximately 80 feet of solid refuse, fill, and topped with a clay cap.

Two interconnected aquifers are present beneath the Site; the upper aquifer is associated with alluvial deposits of the North Canadian River and the lower one is associated with the Garber-Wellington Formation. The Garber-Wellington Formation is a primary ground water resource for the area.

## Wastes and Volumes

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- The principal contaminants at the Site include industrial hazardous wastes deposited into three unlined, on-site pits. Benzene and vinyl chloride were found in the ground water.
- Approximately two million gallons of industrial wastes were disposed into the on-site pits while the landfill was operating.

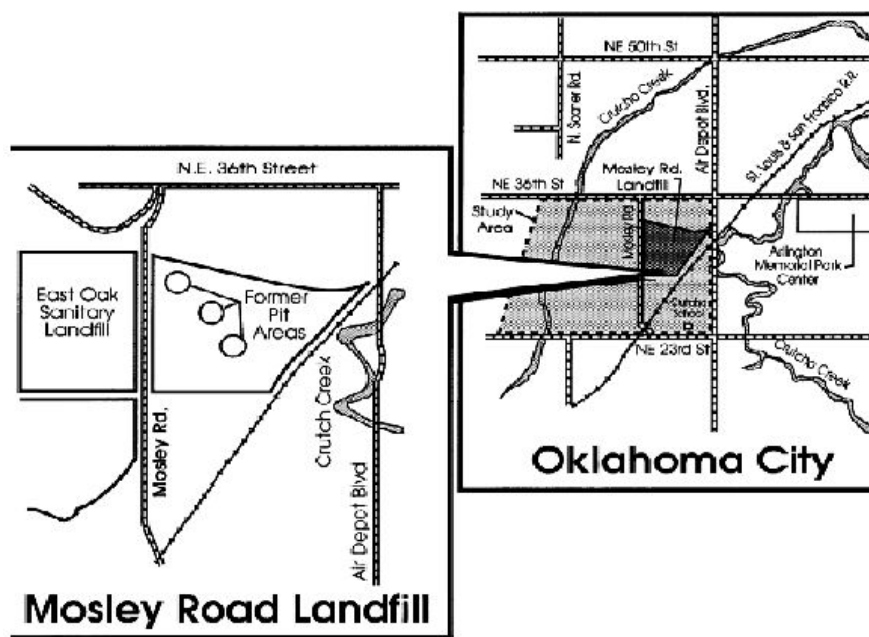
## National Priorities List

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NPL Inclusion Proposal Date:	June 24, 1988
NPL Inclusion Final Date:	February 21, 1990
NPL Deletion Proposal Date:	September 2010
NPL Deletion Final Date:	n/a

## Site Map

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## Human Health and Ecological Risk Assessment

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- Ground water (Garber-Wellington Formation) is a primary ground water resource for the area. Significant potential for ground water contamination exists due to the interconnection of the Garber-Wellington Formation with the upper aquifer underneath the Site.

## Record of Decision

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Signed June 29, 1992:

The ROD's remedy included:

- Restoration of ground water as a potential source of drinking water through natural attenuation.
- Continued ground water monitoring to determine if current conditions improve through time, remain constant, or worsen.
- Monitoring of leachate migration via ground water monitoring and periodic sampling.
- Implementation of active ground water remediation contingencies if triggered by the contingency measure criteria.
- Repair and improvement of the existing cap and addition of a vegetative soil layer.
- Access restrictions, including installation of signs, restrictions on future use of the property, fencing, and restrictions on use of ground water from Site water wells.
- Implementation of a landfill gas monitoring system to prevent explosion or inhalation hazards.

## Site Contacts

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EPA Site Attorney:	Amy McGee	214.665.8063 or 800.533.3508
ODEQ Mosley Road Contact:	Amy Johnson	405.702.5125
ODEQ East Oak Contact:	Wesley Squires	405.702.5197
EPA Public Liaison	Beverly Negri	214.665.6483 or 800.533.3508