

NPL Site Narrative for Tulsa Fuel and Manufacturing

TULSA FUEL AND MANUFACTURING Collinsville, Oklahoma

Conditions at Proposal (September 29, 1998): The Tulsa Fuel and Manufacturing site is located on the west side of Old Highway 169, approximately 1 and 1/3 miles south of the downtown area of Collinsville, Oklahoma. The city of Collinsville, is approximately 12 miles north of Tulsa, in northeast Oklahoma. Surrounding the site are undeveloped, vacant properties to the north and west, a man-made pond ("southern pond") and remains of a strip mine to the south, and Old Highway 169 and railroad tracks to the east.

The site operated as a zinc smelter and lead roaster from 1914 through 1925. Little is known about operations or waste management at the facility, although historic maps show mechanical kilns, furnaces, ore storage bins, and a large reservoir were once present at the site. In addition, one residence is located onsite. The majority of the facility structures have been demolished, and the site is covered with a large pile of waste that consists of broken retorts, condensers, slag, building debris, ash, and other material derived from the former smelter. The waste pile covers approximately 7 acres, and varies in thickness from 2 to greater than 6 feet. The pile is not covered, nor is there a run-off management system. The waste pile borders a man-made pond (southern pond) on site, and portions of the waste have collapsed into the pond. The man-made pond is a fishery and flows into an intermittent drainage ditch ("eastern wetlands") that borders the eastern edge of the site and waste pile.

Samples were collected from the site and surrounding areas during a 1994 EPA Site Investigation conducted by the State of Oklahoma, Department of Environmental Quality. Samples collected from the waste pile revealed significantly high concentrations of arsenic, cadmium, cobalt, copper, lead, manganese, nickel, silver, and zinc. Sediment and surface water samples collected from the southern pond and eastern wetlands document releases of arsenic, cadmium, copper, lead, silver, and zinc from the waste pile to the surface water.

Status (January 1999): EPA is considering various alternatives for this site.

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at [ATSDR - ToxFAQs](http://www.atsdr.cdc.gov/toxfaq/index.asp) (<http://www.atsdr.cdc.gov/toxfaq/index.asp>) or by telephone at 1-888-42-ATSDR or 1-888-422-8737.