



Facts About...

Kane and Lombard Site (National Priorities List Site)

Site Location

The Kane and Lombard site (MD-169) is located in Baltimore City at the intersection of Kane and Lombard Streets. The site consists of approximately eight acres south of Lombard Street and approximately 17 acres north of Lombard Street. The eight-acre portion, which is adjacent to Patterson High School, is currently a golf driving range and parking lot. The 17-acre portion includes property operated by PICORP Inc. (PICORP) which stores shipping containers, an undeveloped portion of the Roadway Express property to the west, a portion of the Conrail property to the north, and several smaller properties to the east of PICORP, including parcels occupied by Register Photo and CTI Trucking.

Site History

Between 1962 and 1964, excavation and dumping occurred on the 17-acre portion, north of what later became Lombard Street. These disposal practices proceeded further south, past the line that would later become Lombard Street, between 1964 and 1966. By 1971, much of the disturbed area had been filled and construction of Interstate 95 was underway. Fill materials may have included construction debris, domestic wastes, and industrial materials. Between 1971 and 1982, the excavated areas west, north, and east of the eight-acre portion had been filled and developed. In December 1980, the PICORP Baltimore Land Development Company acquired approximately 17 acres of the former landfill area north of Lombard Street. This land is currently leased to PICORP and other businesses.

On September 19, 1996, ownership of the eight-acre portion was transferred to Someday, Inc. On February 18, 1998, pursuant to a prospective purchaser agreement with the U.S. Environmental Protection Agency (EPA), Double Eagle Enterprises acquired the property from Someday, Inc. and subsequently constructed a golf driving range on the property. Bayview Golf Center, Inc. currently operates the driving range. A cell tower was erected next to the parking lot in 2001.

Environmental Investigations and Actions

In 1980, several hundred drums were discovered on the eight-acre parcel. After several unsuccessful attempts to compel action by the site owners, the State requested assistance from the EPA. In 1984, EPA removed 1,163 drums and the upper six inches of soil beneath the drums and transported these wastes to permitted disposal facilities. Approximately 800 drums were classified as empty, and the contents of the other drums included aromatic compounds, polycyclic aromatic hydrocarbons, phthalates, polychlorinated biphenyl compounds (PCBs), cyanide and metals. Following the removal action, a compacted clay layer was installed in the base of the excavation where the drums and soils had been removed.



The site was included on the EPA's National Priorities List (NPL) in June 1986. In order to facilitate the investigation and cleanup process, the site was divided into two operable units. Operable Unit 1 (OU1) addresses contamination in soils and shallow groundwater beneath the site eight-acre portion. OU2 addresses the remainder of the former landfill and the groundwater impacted by the wastes disposed in OU1 and OU2.

EPA completed a Remedial Investigation/Feasibility Study (RI/FS) for OU1 in 1997. Based upon the RI/FS findings, EPA signed a Record of Decision (ROD) for OU1 on September 30, 1987. The selected remedy was a multi-layer cap and slurry wall around the site, combined with dewatering of the first water-bearing zone contained within the wall. Construction of the remedy was completed in August of 1990. The remediation was also to include removal of drums and hot spots identified during the OU1 RI; however, the drums and hot spots were not located during construction activities and were therefore not removed. Operations and maintenance activities are ongoing for OU1. Any water withdrawn from the extraction wells is discharged to the City of Baltimore sanitary sewer system following pre-treatment.

Investigation of OU2 began in 1985 with a preliminary assessment of the PICORP property by the Maryland Department of Health and Mental Hygiene's Waste Management Administration. During this investigation, miscellaneous debris, including wood, tires, construction debris and crushed, empty 55-gallon drums were identified. In addition, 14 intact 55-gallon drums were identified; nine were empty and the remaining five reportedly contained waste oil. In 1990, the Maryland Department of the Environment commenced an RI/FS at OU2. This study was discontinued in 1993, when EPA and several potentially responsible parties (PRPs) associated with the Kane and Lombard site entered into a Consent Order to perform an RI/FS at OU2. The OU2 RI/FS was completed in July 2002.

The main contaminants of concern, chlorinated organic compounds, were detected in the subsurface soils and in the contaminated groundwater plume in the Upper Patuxent aquifer. EPA issued a Proposed Remedial Action Plan for OU2 in late December 2002 and a public meeting was held in January 2003. The OU2 ROD was signed in 2004.

The ROD specifies Enhanced Reductive Dechlorination for the contaminated groundwater plume. Contaminated groundwater will be recirculated in wells screened within the aquifer, without having to be pumped to the surface, and have a carbon nutrient source periodically added to these wells. The nutrient source will promote the growth of indigenous microbes that are expected to enhance the dechlorination process. The specified remedy also includes a soil management plan, institutional controls and groundwater use restrictions.

Current Status

The EPA is negotiating a Consent Decree with the PRPs to implement the OU2 remedy.



Planned or Potential Future Action

Once the Consent Decree is in place, the Remedial Design for OU2 will be developed.

Facility Contacts

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Site Repositories

Enoch Pratt Free Library
Patterson Park Branch
158 N. Linwood Avenue
Baltimore MD 21224

