



# ***Facts About...***

## **Carr-Lowery Glass Company (Voluntary Cleanup Program)**

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### **Site Location**

The Carr-Lowery Glass Company totals 18.24-acres and is located at 2201 Kloman Street (Lot 6, 16.76 acres) and 2841 Waterview Avenue (Lot 11, 1.48 acres) in Baltimore City, Maryland 21230. The two parcels, located in a mixed commercial/residential area, are bordered to the north by a nonfunctioning power plant (Former Westport Generating Station). To the south, the parcels are bordered by a concrete manufacturing plant, to the east by the Middle Branch of the Patapsco River, and to the west by Kloman Street. Elevated tracks of the Maryland Transit Authority rail-line (light rail) and residential homes are located west of Kloman Street. Both the site and the surrounding area are served by public water and sewer systems.

A glass manufacturing facility operated on the property until June 2003. A three level main manufacturing building was located on the central portion of the property. The office and administration building, mold engineering and training building, employee clock house, fire pump house, water pump house and several storage sheds were located on the remainder of the property. Numerous large piles of waste glass were located on the southern portion of the property. The facility used three underground tanks. These storage tanks, which have been removed, and ten aboveground tanks ranging in size from 100 to 100,000-gallons, had stored diesel, waste oil, kerosene and propane. The 100,000-gallon above ground oil storage tank was previously located in the northeastern portion of the property. All structures were razed by 2006.

The site's topography slopes gently to the east. Groundwater is encountered approximately eight feet below grade and flows east toward the Middle Branch of the Patapsco River. Previous soil borings identified up to 20 feet of fill, predominantly comprised of sand with various amounts of gravel, glass fragments, brick, wood and cinders on the southern portion of the site.

### **Site History**

Prior to construction of the glass manufacturing facility in 1889, the property was undeveloped. During 1976-1977, filling operations along the eastern boundary with the Patapsco River resulted in the creation of an additional acre of land. In 1989, the Carr-Lowery site was sold to the Anchor Hocking Corporation, which continued glass manufacturing until it ceased operations in 2003. All the facilities structures have been razed and the site is currently vacant.

### **Environmental Investigations and Actions**

The Carr-Lowery facility had been classified as a large quantity generator of hazardous waste. Wastewater discharges were permitted under National Pollutant Discharge Elimination System (NPDES) permit originally issued in March 1979. In 2001, the facility entered into a consent agreement with the Maryland Department of the Environment to resolve violations of the wastewater discharge permit. A preliminary site



assessment was completed in December 1985. In 1988, the Department completed a site inspection and collected soil and sediment samples, which indicated elevated levels of chromium and arsenic. After reviewing the Department's site survey report, EPA Region III indicated in August 1999, that the site did not warrant further action by the EPA. Additional environmental site assessments conducted in 2002, 2004 and 2005, which revealed elevated levels of metals (arsenic, chromium, lead, mercury and nickel) and semi-volatile organic compounds in the soil and antimony, arsenic and petroleum hydrocarbons in groundwater.

### **Current Status**

On May 17, 2004, Somerset Development seeking a Certificate of Completion as an inculpable person submitted a Voluntary Cleanup Program (VCP) application. In October 2004, the Carr-Lowery Glass Company conducted a bankruptcy auction in order to sell the property. Inner Harbor West, LLC, the successful bidder for the Carr-Lowery property, filed a VCP application seeking No Further Requirements Determination as an inculpable person in November 2004 and requested expedited approval of inculpable person status, which subsequently was approved on November 9, 2004.

On March 30, 2005, the VCP notified Inner Harbor West, LLC that the property was accepted into the program but was not eligible for a No Further Requirements Determination. Instead, a Response Action Plan (RAP) would be necessary to address the metals, total petroleum hydrocarbons and semi-volatile organics exceeding the Department's residential clean-up standards. The proposed RAP was submitted on July 1, 2005 and the public informational meeting was held on August 3, 2005. The RAP has been approved by the Department and is currently being implemented on the site.

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