

**I.P., Incorporated  
Elkton, Maryland  
Cecil County  
(MD-372)**

**Site Location**

The 5.64-acre Isocyanate Products, Inc., plant also known as I.P., Incorporated (IPI), is located in the Triumph Industrial Park at 505 Blue Ball Road in Elkton, Maryland. The plant building is the only on-site structure and includes the production area, the storage area for raw materials, the hazardous waste storage section, a laboratory and office section.

**Site History**

Triumph Explosive Company owned and operated a munitions plant at the site during the second World War. James Waters II, the current owner of the Triumph Industrial Park, bought this property in 1980 and built one on-site structure in 1984. IPI, the current owner of the site, bought the property from James Waters II in 1985.

The production of polyurethane foam by IPI started in 1985. The principal ingredients used in the manufacturing process are toluene di-isocyanate and diphenylmethane di-isocyanate.

As part of the process, IPI generates hazardous wastes which include lead, chromium, copper, nickel and mercury and spent halogenated and nonhalogenated solvents. Wastes are routinely removed from the facility to a permitted treatment facility.

On November 2, 1988, a spill of approximately 320 gallons of hazardous materials occurred at the site when a disk ruptured in a reaction vessel. The spill exited the plant on the eastern side of the building, flowed approximately 100 feet north in a drainage ditch, and entered a culvert. The spill was cleaned up and the contaminated soil, which was EP toxic due to the presence of cadmium, was excavated and removed to a permitted disposal facility.

**Environmental Investigations**

A *Preliminary Assessment of IP, Incorporated* was completed by the Maryland Department of the Environment (MDE) in 1989. The Preliminary Assessment report addressed past practices and conditions at the facility and concluded with a recommendation for a Screening Site Inspection.

NUS Corporation performed a *Site Inspection of IP, Incorporated* in 1991. The sampling event took place on December 18, 1991. Eight soil samples, four sediment samples and four surface water samples were collected. The analytical results on these samples show trace levels of organic contaminants. Inorganic analyses of the settling pond and tributary aqueous samples revealed aluminum, iron, and zinc in one or more samples above Ambient Surface Water Quality Criteria protective of aquatic life. However, all soil and sediment samples revealed metal concentrations that were within ranges typically reported for nonpolluted eastern United States soil. Based on these results, the U.S. Environmental Protection Agency (EPA) designated the site status as "No Further Remedial Action Planned" on July 29, 1991.

**Current Status**

The *Site Survey Initiative*, completed by the MDE in 1999, concluded that MDE had no further requirements related to the investigation of hazardous waste at this site at this time and recommended that the site be archived by EPA.

**Contact Person**

Arthur O'Connell	Maryland Department of the Environment Site and Brownfields Assessments/State Superfund Division	(410) 537-3493
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