

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (U.S. EPA)

**FACT SHEET**

**STATEMENT OF BASIS**  
for  
**BASF Corporation**  
**Holland, Michigan**

**BACKGROUND INFORMATION**

BASF Corporation is performing environmental corrective action at its facility in Holland, Michigan. The corrective action is being performed under the authority of the Resource Conservation and Recovery Act (RCRA). The Statement of Basis prepared by U.S. EPA provides a summary of BASF Corporation's investigation defining the nature and extent of contamination at and from its facility, and a summary of BASF Corporation's study of viable remedies. This Statement of Basis also specifies the remedy proposed by U.S. EPA to clean up contamination at and from the facility.

**SITE FEATURES**

The BASF Holland, Michigan facility is located on the northwest shoreline of Lake Macatawa in the northwest  $\frac{1}{4}$  of Section 30, Holland Charter Township, Ottawa County, Michigan. Figure 1 identifies the facility's location on a United States Geological Survey (USGS) topographic map, part of the Holland West, 7.5-minute quadrangle (USGS, dated 1972). The facility is located at the western edge of the urbanized area surrounding the City of Holland. The facility itself is zoned industrial with commercial and industrial areas to the north and east and residential to the south. The BASF facility is situated on approximately 30 acres of land. The property is triangularly shaped and is bordered on the north by Douglas Avenue, on the southwest by the Pinecrest residential subdivision, on the southeast by Howard Avenue and on the east by a Warehouse (Figure 2). The facility also includes a smaller parcel of land (included in the 30 acres) on the southeast side of Howard Avenue between the street and Lake Macatawa. This parcel is predominantly green space but is also the location of the facility's Wastewater Treatment Plant (WWTP). Residential land borders the southwest and northeast sides of this parcel and Lake Macatawa. Approximately 5 to 6 acres of the property are covered by buildings used in production, warehousing and office space which are occupied by Pigments. Soil and groundwater in several areas at the facility are contaminated at levels above appropriately protective risk-based screening thresholds.

## **NATURE AND EXTENT OF CONTAMINATION**

Groundwater is contaminated with chlorobenzenes throughout a large portion of the site (see Figure 3). The original source of the chlorobenzenes at the BASF facility was SWMU 7 (the former Orthochloro Metha Toluidine (OCM) Building), which was located at the south end of Building 14. The historical use of trichlorobenzene in the former OCM Building at the BASF facility was a primary source of the contamination.

## **REMEDIES PROPOSED BY U.S. EPA**

U.S. EPA is proposing that BASF should implement the following remedy to address the contaminated soil, groundwater, surface water and sediment at the BASF facility and the adjacent Lake Macatawa:

- Excavation and off-site disposal of 2000 cubic yards of contaminated soils from Solid Waste Management Unit (SWMU) 2, SWMU 4, and SWMU 12;
- Excavation and off-site disposal of 200 cubic yards of contaminated soils from a portion of Other Potential Source Area (OPSA 5);
- Continued operation of the existing enhanced bioremediation (biosparging) system to remove contaminants from the groundwater, and to prevent on-site groundwater contamination from migrating into Lake Macatawa;
- Monitored natural attenuation of on-site groundwater contamination (upgradient of the biosparging system) with institutional controls;
- Maintaining the existing institutional controls to prohibit the installation of groundwater supply wells in the Pinecrest subdivision;

## **INFORMATION REPOSITORY**

**Herrick District Library  
300 S. River Avenue  
Holland, Michigan  
(616) 355-3728**

**U.S. EPA, Region 5  
Land and Chemicals Division Record Center  
77 West Jackson Boulevard, 7th Floor  
Chicago, Illinois 60604  
(312) 886-4186**

**Hours: Non-Fri, 8a.m. - 4p.m.**

The **Statement of Basis** is presented to the public for review and comment. You may send written comments to:

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