



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY**

John Engler, Governor • Russell J. Harding, Director

**ENVIRONMENTAL RESPONSE DIVISION**

INTERNET: <http://www.deq.state.mi.us/erd>

**INFORMATION BULLETIN**

**ALLIED PAPER, INC./PORTAGE CREEK/KALAMAZOO RIVER SUPERFUND SITE  
King Street Storm Sewer  
Kalamazoo, Michigan**

**FACT SHEET**

This fact sheet describes response activities, including the removal of polychlorinated biphenyls (PCB)-containing soils, sediments, and paper-making residuals from the King Street Storm Sewer (KSSS) floodplain, consolidation of the material into the King Highway Landfill, and backfilling and revegetating of the KSSS floodplain. Work was conducted by Georgia Pacific, Corp.

The KSSS is one component of the King Highway Landfill Operable Unit (KHL-OU), located in the Township of Kalamazoo, Michigan. The site contained PCB-contaminated paper making residuals. The KSSS area consists of the east and west banks of an outlet to the Kalamazoo River with two culverts at its head: a 10-foot by 5-foot concrete box (former outfall from the city sewer) and a 48-inch-diameter pipe (former wastewater outfall from the King Mill). The KSSS includes floodplain soils at the discharge point where it empties into the Kalamazoo River.

**Facts about the KSSS:**

- the KSSS area is an estimated 44,500 square feet with an inlet approximately 135 feet long
- investigations at the site found PCB concentrations up to 99 milligrams per kilogram
- approximately 5,000 cubic yards (cy) were removed and transported to Cell 4 of the KHL-OU in June of 1999

**Site Preparation:**

- erosion and sedimentation controls- temporary measures consisted of:
  - sheetpiling was installed within 10 feet of the riverbank between the storm sewer outfall channel and the western limits of excavation and along the western edge of the storm sewer outfall channel; approximately 350 linear feet of sheetpiling was installed in June 1999

**Excavation Activities:**

- area: 44,500 square feet
- approximately 5,000 cy were excavated
- a bypass pump was used to pump water flow from the storm sewer, around the excavation, to the Kalamazoo River
- excavated materials were treated, as necessary, and transported to Cell 4 of KHL-OU
- water from excavation activities was treated and discharged

**Site Restoration:**

After excavation the King Street Storm Sewer area was backfilled with approved clean materials. Six inches of topsoil was placed and then seeded. This cover was established in July 1999 and serves as a form of erosion and sedimentation control. Along the Kalamazoo River where the storm sewer channel is located, approximately 550 feet of riprap, (5 feet wide and 6 inches thick) was placed on top of geotextile.



-- Area of Excavation

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EQC4469 (REV 5/97)

For more information about any aspect of the removal action at the King Street Storm Sewer Site, please contact:

**Project Managers**

**Brian von Gunten**

**Keith Krawczyk**

MDEQ-ERD Superfund Section

P.O. Box 30426

Lansing, Michigan 48909-7926

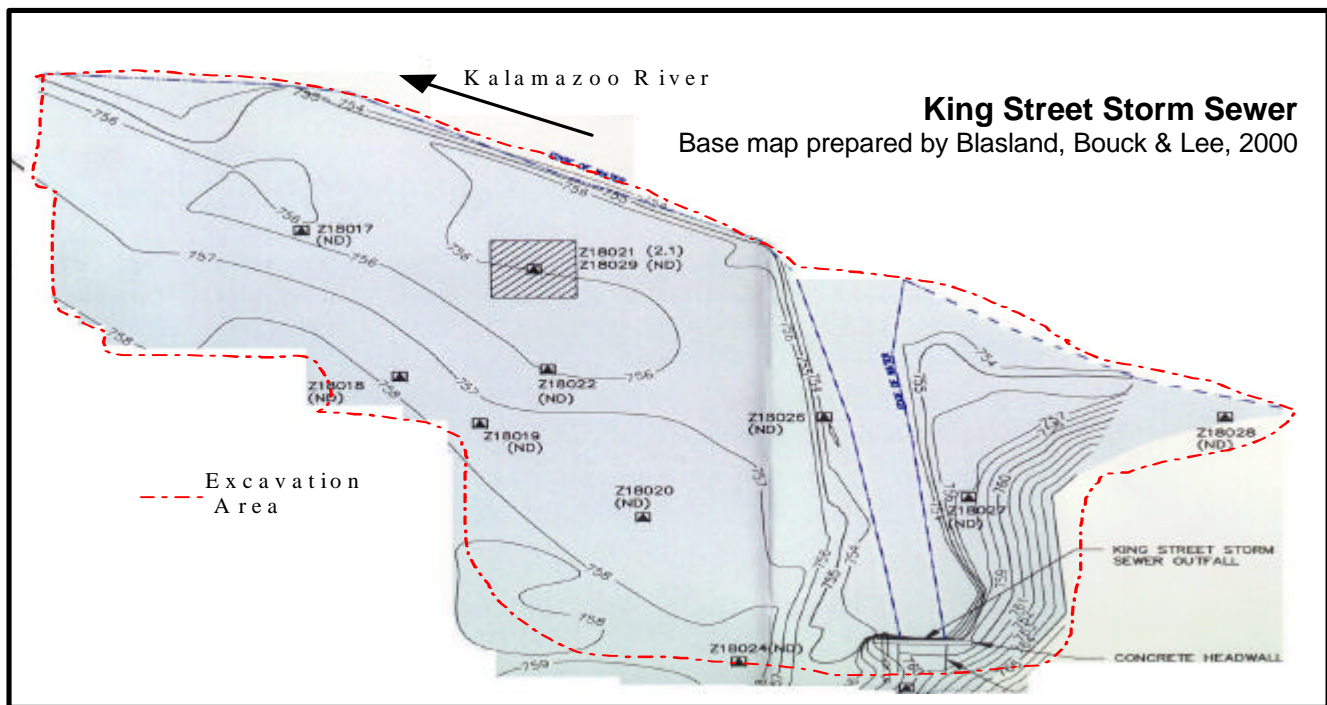
Phone: 517-373-6808; Fax: 517-335-4887

**Superfund Site History/  
Background**

On August 30, 1990 the Allied Paper, Inc./Portage Creek/ Kalamazoo River Superfund site was officially included on the National Priorities List (NPL) pursuant to the Comprehensive Environmental Response, Compensation and Liability Act 1980 PA 96-510.

The site was placed on the NPL list because the soils, sediments, water column and biota in and adjacent to the Kalamazoo River and a three mile stretch of Portage Creek are contaminated with polychlorinated biphenyls (PCBs), a hazardous substance and possible human carcinogen.

The Michigan Department of Environmental Quality has identified three paper companies as Potentially Responsible Parties (PRPs). The PRPs are Allied Paper Inc./Millennium Holdings, Inc., Georgia-Pacific Corporation, and Simpson Plainwell Paper Company (currently Plainwell, Inc.). All three paper companies, which collectively refer to themselves as the Kalamazoo River Study Group (KRSG), have signed an Administrative Order by Consent with the MDNR and agreed to fund and conduct the Remedial Investigation/Feasibility Study (RI/FS). The actions in this fact sheet were completed under a separate Administrative Order by Consent (AOC-ERD-99-010) for the King Highway Landfill.



Information Repositories		
Allegan Public Library 331 Hubbard St. Allegan, Michigan (616) 673-4625	Saugatuck-Douglas Library 10 Mixer Street Douglas, Michigan (616) 857-8241	Otsego District Library 219 South Farmer Otsego, Michigan (616) 694-9690
Charles Ransom Library 180 South Sherwood Plainwell, Michigan (616) 685-8024	Kalamazoo Public Library 315 South Rose Kalamazoo, Michigan (616) 342-9837	Waldo Library Western Michigan University Kalamazoo, Michigan (616) 387-5156

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