



## 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 WILLOW BOULEVARD SITE Kalamazoo, Michigan

## FACT SHEET

This fact sheet describes interim response activities that included the removal of polychlorinated biphenyl (PCB)-containing paper-making residuals from areas along the western bank of the Kalamazoo River, adjacent to the Willow Boulevard/A-Site Operable Unit. All activities are interim remedial response activities and are not necessarily the final remedy for the site. Work was performed by Georgia Pacific.

The Willow Boulevard/A-Site Operable Unit (WB/A-OU) is associated with the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site and is located in the Township of Kalamazoo, Michigan (see map). The site contains PCB-contaminated paper making residuals. The Willow portion of the site was built without containment berms, and paper waste extended into the river.

### Facts about the WB/A OU:

- the WB/A OU area is approximately 32 acres
- the area of the interim remedial response activities was approximately 600,000 square feet
- volume of contaminated waste removed from November 1999 to January 2000 was approximately 7,000 cubic yards.

### Site Preparation:

- erosion and sedimentation controls- temporary measures consisted of:
  - a containment system, approximately 850 linear feet long, was installed to prevent transport from the excavation to the Kalamazoo river
  - silt curtains approximately 3,000 feet were installed in November 1999 along the perimeter of the site, at the mouth of Olmstead Creek and around the outer edge of the containment system
- installation of an on-site water treatment system to treat water during interim activities

### Excavation Activities:

- area: approximately 600,000 ft<sup>2</sup>:

- 66,000 ft<sup>2</sup> within the containment areas at the west end of the Willow Boulevard Site
- 11,000 ft<sup>2</sup> at Olmstead Creek
- 523,000 ft<sup>2</sup> within the Willow Boulevard Site
- approximately 7,000 cubic yards (cy) was excavated:
  - 6,700 cy from the west end of the Willow Site
  - 300 cy from Olmstead Creek
- approximately 735,000 gallons of surface water within the containment area was handled, treated, and discharged

### Site Restoration:

After excavation, the retaining berm was raked over the river area. The landfill area was graded to promote positive drainage with minimal erosion; an interim cover of a six-inch thick layer of sand was installed.



Excavation area within temporary berms

### Ongoing Activities

The existing site conditions will be maintained while final clean-up alternatives are being evaluated in a remedial investigation feasibility study.

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EQC4469 (REV 5/97)

For more information about the interim remedial action or status of the Willow Boulevard Site, please contact:

**Program Manager**

**Brian von Gunten**

MDEQ-ERD Superfund Section

P.O. Box 30426

Lansing, Michigan 48909-7926

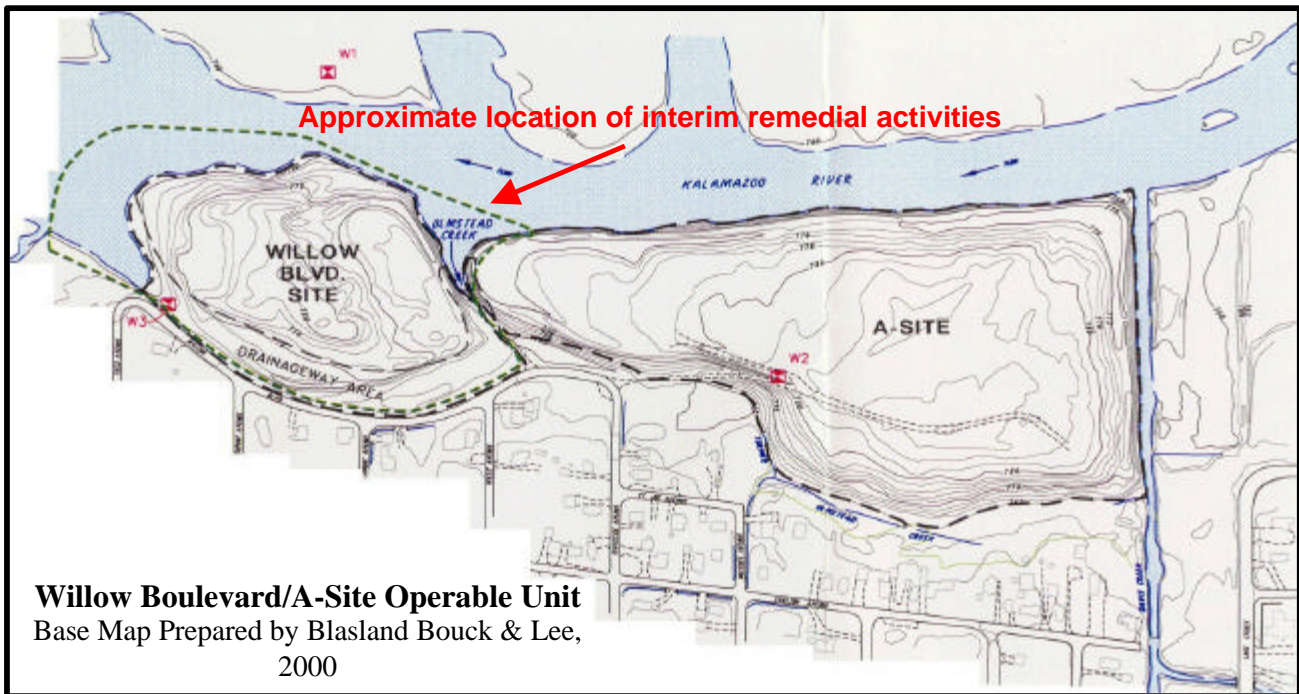
Phone: 517-373-6808; Fax: 517-335-4887

**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. (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 a Remedial Investigation/Feasibility Study (RI/FS).



**Willow Boulevard/A-Site Operable Unit**  
Base Map Prepared by Blasland Bouck & Lee,  
2000

**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

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180 South Sherwood  
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(616) 685-8024

**Kalamazoo Public Library**  
315 South Rose  
Kalamazoo, Michigan  
(616) 342-9837

**Waldo Library**  
Western Michigan University  
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(616) 387-5156

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