



## 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 Georgia-Pacific Mill Lagoons Kalamazoo, Michigan

## FACT SHEET

This document describes removal activities performed by Georgia Pacific Corporation at the former Georgia-Pacific Corporation Mill Lagoons. The purpose of the action was to prevent direct release of polychlorinated biphenyls (PCB) to surface water. PCB containing soils and paper-making residuals were excavated to achieve the industrial cleanup criteria for direct contact with soil. PCB-containing soils, sediment, and paper residuals were also excavated from the floodplain next to the Mill Lagoons. Once removed, the materials were consolidated into the King Highway Landfill. The landfill is now capped and covered.



Georgia-Pacific Mill Lagoons Before Action

### Key Facts:

- facility address: 2425 King Highway (northwest of KHL)
- total area: approximately 182,000 square feet

### Excavation Activities (Nov. 1998-Sept. 1999):

- approximately 33,000 cubic yards of materials were removed from five Mill Lagoons
- approximately 5,000 cubic yards of materials (to the edge of the river) were removed from the floodplain area as an interim response
- several soil piles adjacent to Mill Lagoons 1, 2, and 3, (as well as debris in the lagoons) were removed
- the lagoons were excavated down to native soils to achieve the industrial cleanup criteria (9.9 mg/kg)
- material was removed based on visual cleanup criteria
- ten drums were found in Mill Lagoon 1 in November of 1998; the drums were moved off-site for disposal, lab results showed that the material was non-hazardous
- two clarifiers were discovered at the east end of Lagoon 1 in December 1998, the contents were removed and the clarifiers were backfilled with approved clean material
- water from excavation activities was treated on site and discharged
- all material was transported to the King Highway Landfill



Georgia-Pacific Mill Lagoons After Action

### Site Restoration:

- after the removal of the residuals and verification sampling, the areas were backfilled and covered with six inches of topsoil and grass seed
- approximately 400 feet of stone riprap, (5 feet wide and 6 inches thick) was placed on top of geotextile and placed along the Kalamazoo River for erosion control

For more information about the interim remedial action at the Georgia Pacific Mill Lagoons, please contact:

### Project Managers

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Post-excavation sampling was conducted by the Michigan Department of Environmental Quality (MDEQ). Areas within the floodplain were found to have PCB concentrations higher than allowed. Re-excavation occurred in September 1999, and included the removal of all visible residuals.

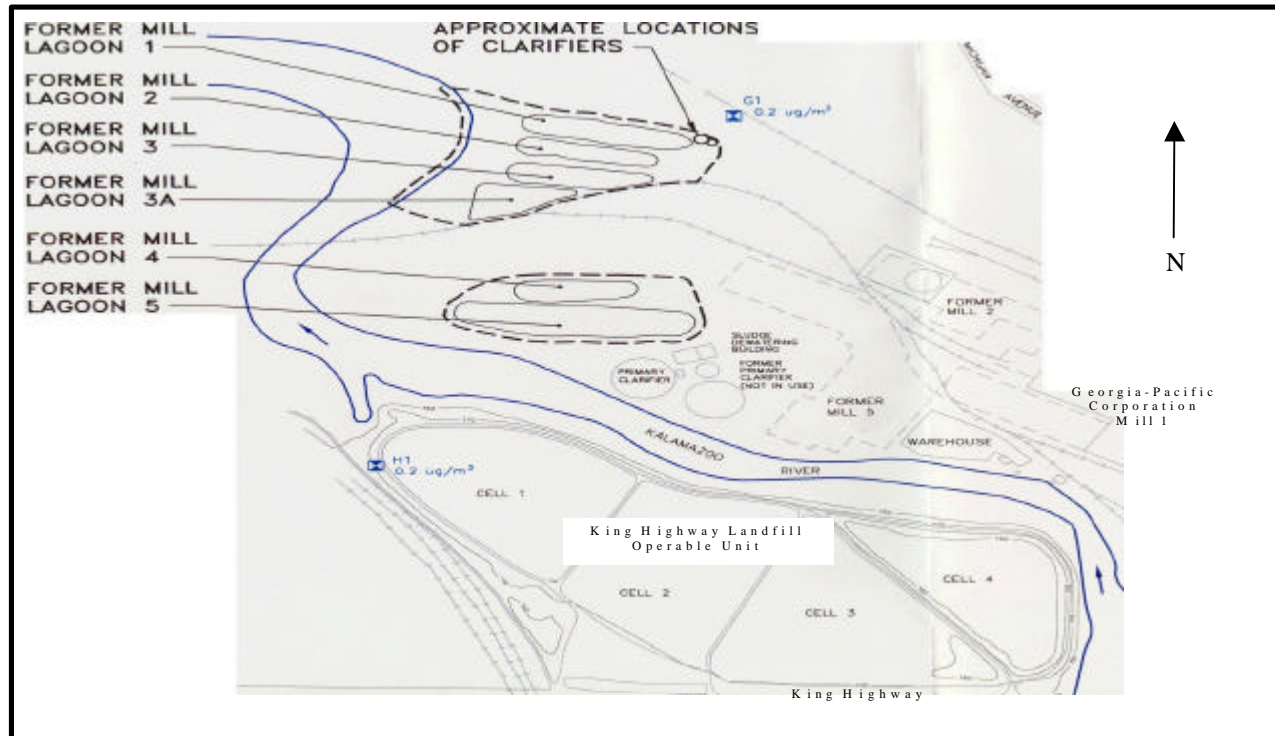
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# Georgia Pacific Mill Lagoons

Map prepared by Blasland, Bouck & Lee, 2000



## 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. (currently 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 (KRSRG), 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  
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