



**FINAL REMEDIAL ACTION REPORT
ADDENDUM**

**INDUSTRIAL DRAINAGEWAY
KENTUCKY AVENUE WELLFIELD SITE**

HORSEHEADS, NEW YORK

**U.S. Environmental Protection Agency
Region II
New York, New York**

September 2005

This Final Remedial Action Report Addendum was prepared as a supplement to the Remedial Action Report for the Industrial Drainageway dated November 16, 2004. This addendum provides supplemental information which conforms to the format for remedial action reports described in EPA's guidance "Close Out Procedures for National Priorities List Sites".

I. Background

The Kentucky Avenue Wellfield Site (Site) is located within the Village and Town of Horseheads and the Village of Elmira Heights in the Chemung County in the State of New York. The Site designation was based on contamination found in the Kentucky Avenue Well (KAW), a public drinking water supply well. A principal source of groundwater contamination was found to be the Westinghouse Electric Corporation's former Industrial and Governmental Tube Division facility (Facility). The Site is located over a groundwater aquifer, known as the Newtown Creek Aquifer. The Facility is approximately 59 acres and is bounded by New York Route 17 to the north, New York Route 14 to the east, Conrail railroad tracks to the south and property of New York State Electric and Gas Company to the west. It is currently being used as a manufacturing facility occupied by two companies, Eaton Corporation (formerly Eaton Cutler-Hammer) and MT Picture Display Corporation of America. Eaton makes electrical components and MT Display Corporation of America makes large screen picture tubes. In December 1997, CBS Corporation acquired Westinghouse Electric Corporation. In May 2000, CBS merged with Viacom and retain the Viacom name.

The Facility is characterized by areas of grass lawn, pavement and buildings. The ground surface in the vicinity of the Facility has little relief and slopes very gently to the east and northeast. Surface runoff from precipitation is routed by shallow swales and captured by surface water runoff drains at various locations around the main plant building. A large portion of the runoff is routed through two plants outfalls and ultimately discharges to the industrial drainageway. The main plant building covers approximately 16 acres in the eastern portion of the property and includes two wastewater treatment plants. Treated wastewater (process and non contact cooling water) is discharged to the industrial drainageway.

The industrial drainageway begins at the outlet of an underground pipe approximately 1,500 feet southeast of the Facility. It is an open ditch about 7 to 10 feet wide extending approximately 2,200 feet to the southeast and discharging into Koppers Pond. The drainageway is bounded to the west by the Conrail tracks and by the Chemung County highway maintenance department to the east. Virtually all of its base flow consists of the wastewater discharges received from the Facility via its underground piping. The drainageway discharges into Koppers Pond.

The area surrounding the industrial drainageway is characterized as having little relief and its poorly drained. Numerous areas adjacent to the drainageway contain standing water and marsh features. Jurisdictional wetlands include the industrial drainageway, Koppers Pond, and 2.7 acres of emergent wetland adjacent to the Pond.

II. Chronology of Events

REMEDIAL ACTIVITY	DATE
Record of Decision	9/1996
Consent Decree	3/1998
Remedial Design	4/2001
Remedial Action Work Plan	8/2001 & 4/2002
Remedial Action	8/2002 - 9/2004
Final Inspection	9/2004

III. Performance Standards and Construction Quality Control

Quality assurance and quality controls (QA/QC) plans were submitted to and approved by EPA. All applicable EPA and NYSDEC QA/QC procedures were incorporated into the remedial investigations, designs and constructions activities. All confirmatory inspections, independent testing, audits and evaluations of materials and workmanship were performed in accordance with the construction drawings, technical specifications and approved quality control plans.

Remedial designs were reviewed and approved by EPA and NYSDEC. Oversight of the remedial action construction on behalf of EPA was provided by CDM Federal Programs Corporation. NYSDEC also provided oversight conducted by professional engineers licensed in New York State.

IV. Final Inspection

A final inspection was conducted on September 23, 2004. In attendance were the EPA Remedial Project Manager, Isabel R. Rodrigues; Viacom Project Manager Leo Brausch; Viacom's consultant Stan Cris and EPA consultant Mike Miner of CDM Federal Corporation.

Construction activities at the site were determined to be consistent with the ROD, Remedial Design plans and specifications, and the consent decree.

V. Operation and Maintenance

As cleanup goals have been achieved and there are no restrictions on the use of the drainageway, operation and maintenance is not necessary.

VI. Summary of Project Costs

The capital cost of the Industrial Drainageway estimated in the 1997 ROD was \$365,600. The actual cost for the RD/RA was \$ 2,120,000 (\$270,00 for the RD and \$1,820,000 for the RA).

VII. Contact Information

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EPA used CDM Federal Corporation to provide oversight for the RA

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