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SEP -6 91
BUREAU OF SOLID HAZARDOUS
WASTE MANAGEMENT

I. FINAL POLREP

DATE: 19 August 1991

FROM: Paul R. Steadman, On-Scene Coordinator,
U.S. EPA, Region V

TO: Terri Johnson, OSWER (EPA5511)
Thomas Krueger, ORC (EPA9525)
Robert Bowden, EERB (EPA9538)
Susan Pastor, OPA, (EPA9513)
Therese Gioia, EERB-RS II (EPA9538)
Carol Graszer, ESS
Jon Peterson, RPM-RRB
Gary Edelstein, WDNR-Madison, WI
Terry Koehn, WDNR-Green Bay, WI
Pamela J. Schafer, ESS Chief

SUBJECT: N.W. Mauthe Plating Co., Appleton, Wisc.

POLREP NO.: Final

II. BACKGROUND

SITE NO.: 6G

DELIVERY ORDER NO.: 7460--05-195

RESPONSE AUTH.: CERCLA

NPL STATUS: National Priorities Listed Site

START DATE: 30 July 1991

DEMOBE DATE: 12 August 1991

COMPLETION DATE: 12 August 1991

III. SITE INFORMATION

A. SITUATION: The site is an abandoned electroplating facility. Previous actions at the site have resulted in the removal of most of the wastes on-site. U.S. EPA is working to assist the Wisconsin Department of Natural Resources (WDNR) in the resolution of the contamination hazard associated with this site. The site has been listed on the National Priorities List. Analytical results have indicated the presence of elevated levels of cadmium, chromium, lead, zinc, and cyanide at the site. The presence of this contamination in the two on-site buildings, as well as in soil and groundwater at the site has resulted in the WDNR's request for an emergency removal action by this Agency.

B. **ACTIONS TAKEN:** Actions taken at the site include fenand securing the site and decontamination of the interiors of the two on-site buildings. Soil at the south side of the chromium building and within a pit in the chromium building was excavated and placed in 62-1 cu. yd. storage containers and 17-55 gallon capacity drums which will remain at the site for subsequent management and disposal by WDNR. The excavated, to an overall depth of 1 foot, location on the southside of the Chrome building was overlain with a 3-layer thickness of polyethylene sheeting upon which a 1 ft. depth of aggregate materials was applied in an effort to stabilze the chromium leaching problem which was occurring as a result of precipitation. Liquid from an abandoned storage tank on-site was combined with washwaters generated during the decontamination process, sampled and analyzed, and waa treated on-site for sewer system disposal in accordance with a discharge permit issued by the City of Appleton POTW.

The ERCS contractor, OHM, has completed scrubbing, scraping and pressure washing of all surfaces within both of the on-site buildings. Junked materials and scrap wood from within the buildings has been washed for removal of dusts and disposed at a local landfill. All contaminated site-derived wastes (PPE, filter sand, etc.) have also been drummed and staged within the Chromium building. Preliminary analytical results had indicated total chromium concentrations of 811 ppm, zinc at 29.3 ppm, lead at 31.1 ppm as well as cyanides and cadmium at concentrations in the decontamination washwaters in excess of acceptable POTW discharge limits. Due to the high chromium levels, the washwaters underwent additional treatment to include secondary on-site treatment consisting of rapid sand/gravel filtration followed by activated charcoal filtration and were resubmitted for analytical results to determine average dissolved concentrations of these five analytes. Those results showed chromium at 27.7 ppm, zinc at 3.14 ppm, lead at 0.05 ppm, cadmium at 0.529 ppm, and cyanides at 0.003 ppm. Based on these analyses a variance was sought and obtained which authorized disposal of ahout 4200 gallons of the washwaters through the Appleton POTW.

C. **CURRENT FACILITY STATUS:** The site is now in a posture for commencement of the State of Wisconsin's RI/FS program which is anticipated to last for approximately 5 years. Their remedial program, in concert with this Agency's Remedial Action Program, will primarily address groundwater contamination issues. Control of the site has been returned to the Wisconsin Department of Natural Resources (WDNR) as of August 14, 1991 and a formal letter of this Agency's removal

where is this?

action plan and activity was sent to WDNR's Emergency and Remedial Response Section Chief on August 19, 1991. No additional activities in the realm of removal actions at this site are currently anticipated.

Preparation of an OSC Report addressing EERB's emergency removal action at this site is currently underway and its anticipated completion for final submittal will occur on or about September 30, 1991.

D. **RESULTS ACHIEVED:** Access to tne site has been restricted by the erection of a 7 ft. high (local requirement specifies 7 ft. instead of GSA spec. of 6 ft.) protective fence enclosing the facility area and all window and door entryways not enclosed by the fence have been boarded up to further limit unauthorized access.

In accordance with the State of Wisconsin's " Interim Policy for Promoting the In-State and On-Site Management of Hazardous Wastes in the State of Wisconsin " whose primary objective is to foster and promote the recycling of hazardous wastes and the on-site and in-state treatment and disposal of hazardous waste resulting from clean-up actions, our removal action required the on-site staging of an approximate volume of 66 cubic yards of chromium, lead, cyanide, zinc and cadmium contaminated soils and debris in one of two on-site structures. These hazardous materials will ultimately be managed by WDNR during the RI/FS process as specified in their policy.

As a result of the removal action conducted at the N.W. Mauthe site by this Agency, the public health threat associated with human contact and inhalation exposure to highly concentrated levels of hexavalent chromium, cyanide compounds, zinc, cadmium and lead have been markedly reduced. Excavation of the contaminants within the pit in the Chromium building and the removal and stabilization of the contaminated soils outside of this building have served to reduce the groundwater transport and contamination hazard previously identified with this site.

IV. COSTS: The costs expended as of 08/08/91 on this project are indicated below:

Costs ($)

	Expended	Ceiling	Remaining
ERCS	107,162.77	125,000	17,837.23
TAT/TES	13,307.50	15,000	1,692.50
TOTAL	120,470.27	140,000	19,529.73

GREETINGS FROM SUNNY APPLETON, WISCONSIN AND THE N.W. MAUTHE SITE

RECEIVED
AUG 12 91
BUREAU OF SOLID & HAZARDOUS WASTE MANAGEMENT

DATE: 10 Aug. '91

TO: GARY EDELSTEIN, WDNR - MADISON, WISC.
608/267-3579

FROM: PAUL STEADMAN, OSC, U.S.EPA
414/730-0544

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(312) 353-7915

PAUL R. STEADMAN, M.P.H.
Environmental Engineer/OSC

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region V
Emergency and Enforcement Response Branch
230 South Dearborn Street
Chicago, Illinois 60604
Mail Stop/5HS-12 24 hours Emergency (312) 353-2318

bcc: Terry Koehn - LMD

POLREP

DATE: 09 August 1991

FROM: Paul R. Steadman, On-Scene Coordinator,
U.S. EPA, Region V

TO: Terri Johnson, OSWER (EPA5511)
Thomas Krueger, ORC (EPA9525)
Robert Bowden, EERB (EPA9538)
Susan Pastor, OPA, (EPA9513)
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Gary Edelstein, WDNR-Madison, WI
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SUBJECT: N.W. Mauthe Plating Co., Appleton, Wisc.
Polrep #2

POLREP NO.: Polrep #2

SITE NO.: 6G

DELIVERY ORDER NO.: 7460--05-195

RESPONSE AUTH.: CERCLA

NPL STATUS: National Priorities Listed Site

START DATE: 30 July 1991

WEATHER CONDITIONS: 74 Degrees F, overcast, intermittant rains

SITUATION: The site is an abandoned electroplating facility. Previous actions at the site have resulted in the removal of most of the wastes on-site. U.S. EPA is working to assist the Wisconsin Department of Natural Resources (WDNR) in the resolution of the contamination hazard associated with this site. The site has been listed on the National Priorities List. Analytical results have indicated the presence of elevated levels of cadmium, chromium, lead, zinc, and cyanide at the site. The presence of this contamination in the two on-site buildings, as well as in soil and groundwater at the site has resulted in the WDNR's request for an emergency removal action by this Agency.

ACTIONS PROPOSED: Proposed actions at the site include fencing and securing the site and decontamination of the interiors of the two on-site buildings. Soil at the south side of the chromium building and within a pit in the chromium building will be excavated and placed in storage containers which will remain at the site for subsequent management and disposal by WDNR. Liquid from an abandoned storage tank on-site will be combined with wash waters generated during the decontamination process and will be treated on-site for ultimate disposal in accordance with a discharge permit issued by the City of Appleton POTW.

ACTIONS TAKEN: The ERCS contractor, OHM, has completed pressure washing both on-site buildings. Junked materials and scrap wood from within the buildings has been washed for removal of dusts and disposed at a local landfill. All proposed excavation activities have been completed. Excavated soil has been placed in storage containers and staged within the chromium building. All contaminated site-derived wastes (PPE, filter sand, etc.) have also been drummed and staged within the chromium building. Preliminary analytical results have indicated total chromium concentrations of 811 ppm, zinc at 29.3 ppm, lead at 31.1 ppm as well as cyanides and cadmium at concentrations in the decontamination washwaters in excess of acceptable POTW discharge limits. Due to the high chromium levels, the samples underwent secondary on-site treatment and were resubmitted for analytical results to determine average dissolved concentrations of these five analytes. Those results showed chromium at 27.7ppm, zinc at 3.14 ppm, lead at 0.05 ppm, cadmium at 0.529 ppm, and cyanides at 0.003 ppm. Based on these analyses a variance was sought and obtained which authorizes disposal of the washwaters through the Appleton POTW. The site has been secured and fence installation completed. ERCS personnel will be completing demobilization activities and disposing of the wastewater in the sanitary sewer system during the next several days.

COSTS: The costs expended as of 08/08/91 on this project are indicated below:

	Costs Expended ($)	Ceiling	Remaining
ERCS	107,162.77	125,000	17,837.23
TAT/TES	13,307.50	15,000	1,692.50
TOTAL	120,470.27	140,000	19,529.73

CITY OF Appleton DEPARTMENT OF UTILITIES
DIVISION OF WASTEWATER
59 Welmar Court
Appleton, WI 54915-2758
414/832-5945

August 9, 1991

Paul Steadman
U.S. EPA

The U.S. EPA has permission to discharge treated wastewater from the N.W. Mauthe plating site to the nearest available sanitary sewer manhole.

Donald P. Wydeven
Programs Coordinator

GREETINGS FROM SUNNY APPLETON, WISCONSIN AND THE N.W. MAUTHE SITE

TO: Gary Edelstein
608-267-2768

FROM: Paul Steadman

PAGE 1 OF 3

(312) 353-7915

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Region V
Emergency and Enforcement Response Branch
230 South Dearborn Street
Chicago, Illinois 60604
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POLREP

DATE: 05 August 1991

FROM: Paul R. Steadman, On-Scene Coordinator,
U.S. EPA, Region V

TO: Terri Johnson, OSWER (EPA5511)
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Jon Peterson, RPM-RRB
Gary Edelstein, WDNR-Madison, WI
Terry Koehn, WDNR-Green Bay, WI

SUBJECT: N.W. Mauthe Plating Co., Appleton, Wisc.
Polrep #1

POLREP NO.: Polrep #1 - for period 30 July thru 03 Aug.'91

SITE NO.: 6G

DELIVERY ORDER NO.: 7460--05-195

RESPONSE AUTH.: CERCLA

NPL STATUS: National Priorities Listed Site

START DATE: 30 July 1991

WEATHER CONDITIONS: 80 degrees F, overcast, intermittent rain

SITUATION: The site is an abandoned electroplating facility. Previous actions at the site have resulted in the removal of most of the wastes on-site. U.S. EPA is working to assist the Wisconsin Department of Natural Resources (WDNR) in the resolution of the contamination hazard associated with this site. The site has been listed on the National Priorities List. Analytical results have indicated the presence of elevated levels of cadmium, chromium, lead, zinc, and cyanide at the site. The presence of this contamination in the two on-site buildings, as well as in soil and groundwater at the site has resulted in the WDNR's request for an emergency removal action by this Agency.

ACTIONS PROPOSED: Proposed actions at the site include fencing and securing the site and decontamination of the interiors of the two on-site buildings. Soil at the south side of the chromium building and within a pit in the chromium building will be excavated and placed in storage containers which will remain at the site for subsequent management and disposal by WDNR. Liquid from an abandoned storage tank on-site will be combined with wash waters generated during the decontamination process and will be treated on-site for ultimate disposal in accordance with a discharge permit issued by the City of Appleton POTW.

ACTIONS TAKEN: ERCS personnel have completed excavation of soil from the pit in the chromium building. Approximately 4 feet of soil were removed and placed in 39 storage containers. Approximately 4500 gallons of wastewater have been pumped from the storage tank and two sumps on-site and will be treated in the on-site water treatment system. Decontamination of the chromium building is 75% completed. An additional 500 to 600 gallons of wastewater has been generated from the decontamination activities so far. ERCS personnel have removed and decontaminated junked materials which were left within the site structures. These materials, classified as general solid waste, are being placed in a roll-off box for ultimate disposal at the local landfill. Fencing and securing of the site are approximately 90% complete.

COSTS: The costs expended as of 7/29/91 on this project are indicated below:

	Costs Expended ($)	Ceiling	Remaining
ERCS	6,091.11	80,000	73,908.89
TAT/TES	3,355.00	15,000	11,645.00
TOTAL	14,115.61	95,000	80,884.39