U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

I. HEADING

Date: August 16, 1996

From: Irmee Huhn, OSC, Region II
Removal Action Branch

To:

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Subject: Catskill Chrome Plating Site, Catskill, Greene County, New York

POLREP NO.: Two (2) (RV2)

II. BACKGROUND

Site No.:	DJ
Response Authority:	CERCLA
NPL Status:	Non-NPL
State Notification:	NYSDOH notified
Action Memo Status:	Signed on August 30, 1994 and 2nd AM signed June 17, 1996
Start Date:	09/16/94
Completion Date:	12/09/94
Restart Date:	06/25/96
Completion Date:	not determined

III. SITE INFORMATION

A. Site Description

1. Site location

The Catskill Chrome Plating site is located at 370 W. Bridge Street, in the Village of Catskill, Greene County, New York. The Site is located approximately 100 feet north of the route 23A and route 9W South split. The site property is less that one acre in size, is located in a moderately populated commercial/residential area and is bordered with a wooded area to the north and west. An open field and residence are located to the east, and

several businesses including a parking lot and routes 23A/9W South to the south. The site consists of a one-story building with a two-story attached office building.

2. Description of Threat

The one-story building comprised of three rooms which contained 58 electroplating vats. The material in the vats varied from high concentrations of plating metals (i.e. cadmium, chromium, nickel, copper and zinc), acidic, basic, and cyanide solutions which were in the abandoned facility. These were in deteriorated condition and constituted a potential threat for leakage of hazardous substance into the environment. The contents of the building were addressed by an Action Memorandum approved on August 30, 1994. During the removal action, surface soil samples were collected in areas suspected of contamination. Analytical data from the sampling event identified two areas of elevated levels of lead and copper which were addressed in a Agency for Toxic Substances and Disease Registry (ATSDR) Record of Activity as an acute exposure scenario.

The XRF data generated from an extent of contamination survey revealed maximum concentrations, in parts per million (ppm), of lead (577 ppm), copper (9,160 ppm) and chromium (2,790 ppm) in surface soils. During the extent of contamination survey , three areas of concern were identified. The largest of these areas is located along the northeast corner of the Site property outside the property line where visually contaminated waste was deposited. The two additional areas of concern are situated along the north perimeter of the building/sidewalk and along the center, east perimeter of the building. These areas present a threat to the environment and potential exposure of the human population working/residing near the site.

IV. RESPONSE INFORMATION

A. Situation

1. Current situation

The visibly contaminated soil has been excavated, transported and disposed at a secure landfill. Verbal laboratory analysis was received and the excavation was backfilled.

2. Removal actions to date

On August 5, 1996, EPA, START and ERCS mobilized to the site to begin the excavation and load out of contaminated soil. On August 6, 7 and 8, a total of 5 loads of contaminated soil were shipped to the Albany county landfill. START collected post excavation samples which were first screened using an XRF prior to conducting formal lab analysis. On August 7 and 8, 13 samples were sent to ICM Laboratories for metal analysis. EPA, START and ERCS demobilized the site on August 8.

Laboratory analysis revealed unacceptable data in two excavations. On August 12, 1996, EPA, ERCS and START mobilized to the site to continue excavating contaminated soil. While loading stockpiled soil, the operator excavated approximately 4 inches below the poly that contaminated soil was staged on and exposed a vein of contamination. This area was excavated until the visual contamination was removed. Two additional loads of soil were transported off site for disposal on August 12 and 13.

Approximately 222 tons of contaminated soil have been shipped off site for disposal. Post excavation samples were collected in all areas. Initial samples were analyzed at ICM Laboratories in Randolf, NJ and 4 samples collected during the week of August 12 were analyzed at CTM Analytical Laboratories Ltd. to expedite the turn around time.

On August 12 and 14, a total of 150 cy of backfill and 40 tons of stone were delivered and spread to restore the site to pre-removal conditions. Grass was planted in areas where it previously existed for erosion control. On August 14, 1996, EPA, ERCS and START demobilized the site.

3. Enforcement

Notice letters and a 104(e) Information Request were issued to the one identified PRP.

B. Next Steps

Once the final results of the post excavation sampling are received and validated by START, EPA will review the data, and if acceptable will finalize the restoration signifying the completion of the removal activities set forth in the Action Memorandum.

C. Key Issues

A 6" drainage pipe exiting the east side of the building about 1' below the original grade was discovered during the excavation. Visible waste was noted in the pipe and

documented prior to removing the waste for disposal.

V. COST INFORMATION

The following are estimated costs for the removal action as of August 16, 1996:

	PROJECT CEILING	PREVIOUS COSTS	COSTS TO DATE	FUNDS REMAINING
ERCS Costs	$480,000	$239,531	$31,500	$ 208,969
START Costs	$ 38,000	$ 22,185	$ 12,000	$ 3,815
Contingency	$102,000			$ 102,000
EPA Cost	$ 50,000	$24,950	$ 2,500	$ 22,550
TOTAL PROJECT CEILING	$670,000	$286,666	$46,000	$ 337,334

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure, which the EPA may include in any claims for cost recovery.

VI. DISPOSITION OF WASTE

Waste stream	Medium	Quantity	Containment-Migration Control	Treatment	Disposal
Non-hazardous soil	solid	222 Tons	dump trailers	landfill	Albany Landfill, Rapp Road, Albany, NY