

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Hazardous Waste Remediation

**Inactive Hazardous Waste Disposal Report**

4 / 1 / 97

<b>Site Name:</b> Primoshield, Inc.		<b>Site Code:</b> 633027	
<b>Class Code:</b> 2	<b>Region:</b> 6	<b>County:</b> Oneida	<b>EPA Id:</b>
<b>Address:</b> 1212 St. Vincent Street		<b>City:</b> Utica	<b>Zip:</b> 13501
<b>Latitude:</b> 43 5' 20"	<b>Longitude:</b> 75 13' 41"		
<b>Site Type:</b> Structure	<b>Estimated Size:</b> 2.4	<b>Acres</b>	

<b>Site Owner / Operator Information:</b>			
<b>Current Owner(s) Name:</b>	City of Utica		
<b>Current Owner(s) Address:</b>	1 Kennedy Plaza	Utica	NY 13502
<b>Owner(s) during disposal:</b>	Primoshield Inc./ Richard Feagin		
<b>Operator(s) during disposal:</b>	Primoshield, Inc.		
<b>Stated Operator(s) Address:</b>	1212 St. Vincent St.	Utica	NY 13501
<b>Hazardous Waste Disposal Period:</b>	From 1970s	To 1985	

**Site Description:**

Primoshield was a metal electroplating facility that was abandoned in August of 1985. The property consists of the following: a factory building, a small office building, a small laboratory and a storage trailer. Included with the Primoshield property is an adjacent gravel parking lot which is a portion of the DePaul property. A number of drums and open vats were left behind when the facility was abandoned. They were scattered over the entire Primoshield property. The USEPA conducted a removal action at the site in 1986 and 1987. All of the containerized wastes were removed during that time and taken to approved disposal locations. Soil contamination and groundwater contamination have been documented. The City of Utica seized the property due to non payment of taxes after Primoshield abandoned the site, and is now the current site owner. The NYSDEC negotiated a Title-3 Consent Order and a State assistance contract with the City to perform a Remedial Investigation/Feasibility Study (RI/FS). Fieldwork for the remedial investigation was begun in September of 1992 and extended through October of 1993. A public meeting regarding this site was held in Utica in January of 1993. The draft and final RI and FS reports were completed in 1994, and 1995. A public meeting on the Proposed Remedial Action Plan (PRAP) was held on February 2, 1995, and a Record of Decision (ROD) was signed on March 22, 1995. The preparation of design documents is nearing completion. Remedial construction was scheduled to begin before mid 1996, but was delayed due to financial problems experienced by the City of Utica. The DEC is currently working with the city to transfer site remediation costs from the Title-3 program to the State Superfund program.

**Confirmed Hazardous Waste Disposal:**

Cyanide salts  
Hydrofluoric Acid  
Corrosive liquids  
Solvents

**Quantity:**

Plating tanks and several  
hundred drums and other  
containers  
39 vats  
Approximately 150 Drums  
Numerous small containers  
of laboratory chemicals

<b>Analytical Data Available for:</b>	Groundwater	Surface Water	Soil	Sediment
<b>Applicable Standards Exceeded in:</b>	Groundwater			
<b>Geotechnical Information:</b>		<b>Depth to</b>		
<b>Soil/Rock Type:</b> Dense silty clay fill over shale bedrock		<b>Groundwater:</b> Approximately 5-10 feet		
<b>Legal Action: Type:</b>	State Title III C.O.	<b>Status:</b> Order Signed		
<b>Remedial Action:</b>	Under Design	<b>Nature of action:</b> RD-RA		

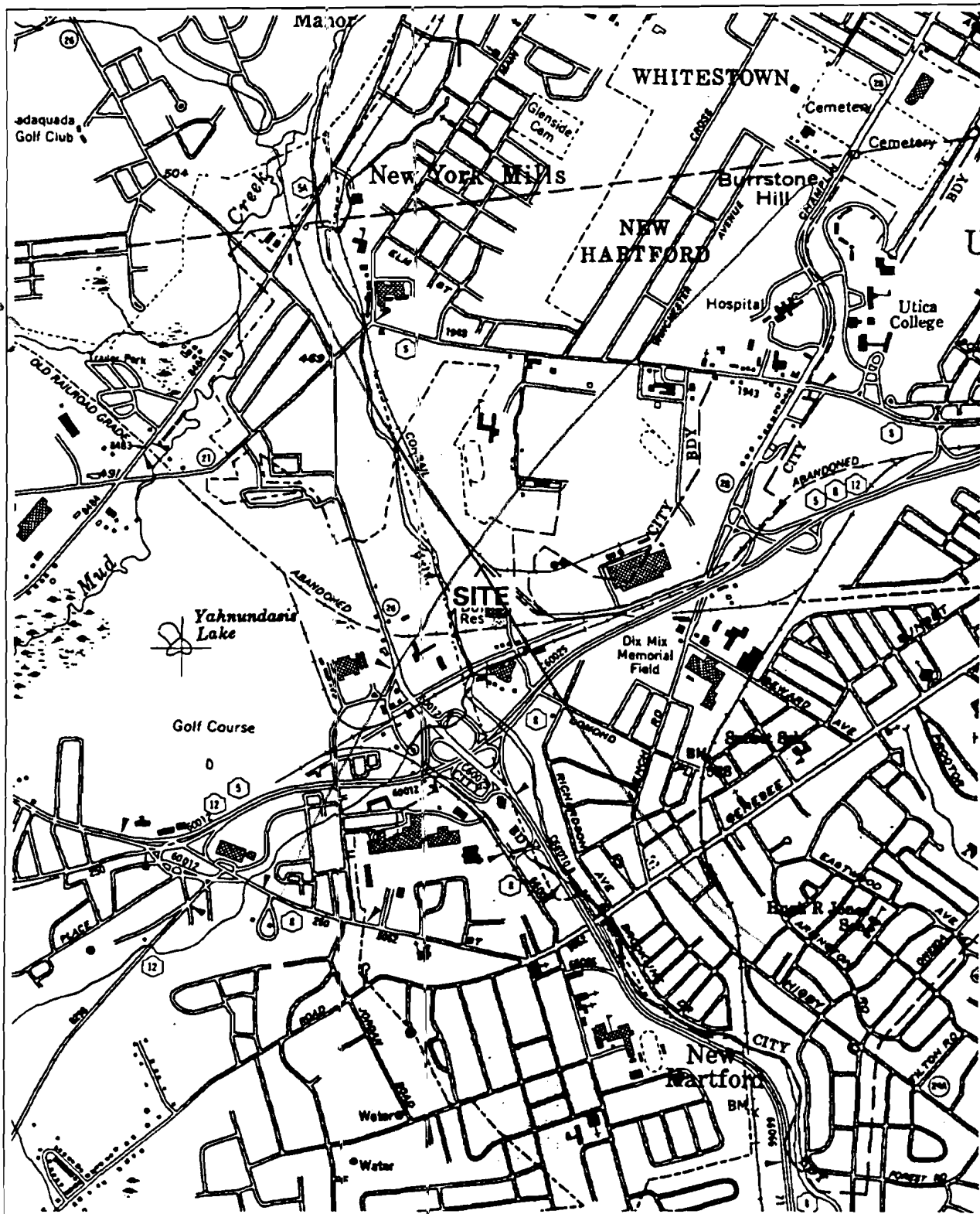
**Assessment of Environmental Problems:**

Soil and groundwater contamination have been documented. Impacts on an off-site residence have also been documented.

**Assessment of Health Problems:**

Groundwater contamination is impacting the basement of one home but the living area of the home is not impacted. Surface soil sampling conducted in the yard of this residence indicate elevated levels of lead. The basement and yard of this home will be addressed in the final remediation of the site.

NO 2005 2



### Site Location Map

633026 New Hartford Village Dump  
NYSDOT Planimetric Quadrangle(s):



0 500 1000 1500 2000



FEET

Scale 1:24,000

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<b>Site Name:</b> Primoshield, Inc.			<b>Site Code:</b> 633027
<b>Class Code:</b> 4	<b>Region:</b> 6	<b>County:</b> Oneida	<b>EPA Id:</b>
<b>Address:</b> 1212 Saint Vincent Street / Utica, NY 13501			
<b>Latitude:</b> 43° 5' 20"		<b>Longitude:</b> 75° 13' 40"	
<b>Site Type:</b> Structure		<b>Estimated Size:</b> 2.4 Acres	

<b>Site Owner / Operator Information:</b>	
<b>Current Owner(s) Name:</b>	City of Utica
<b>Current Owner(s) Address:</b>	1 Kennedy Plaza / Utica, NY 13502
<b>Owner(s) during disposal:</b>	Primoshield, Inc./Richard Feagin
<b>Operator(s) during disposal:</b>	Primoshield, Inc.
<b>Stated Operator(s) Address:</b>	1212 Street Vincent Street / Utica, NY 13501
<b>Hazardous Waste Disposal Period:</b>	<b>From:</b> 1970s <b>To:</b> 1985

**Site Description:**

Primoshield was a metal electroplating facility that was abandoned in August of 1985. The property consisted of office and factory buildings, a small laboratory and a storage trailer. Included in the original Primoshield property was an adjacent gravel parking lot on another property. A number of drums and open vats were left behind when the facility was abandoned. They were scattered over the entire Primoshield property. The USEPA removed the wastes on the site in 1986 and 1987. All of the containerized wastes removed during that time were taken to approved disposal locations. All of the structures on the property were demolished and also removed. Currently (as of early 2002) the site is an empty fenced-in lot which has been graded and seeded. Soil and groundwater contamination was confirmed. The City of Utica seized the property due to non payment of taxes after the property was abandoned, and consequently became the new site owner. The NYSDEC negotiated a Title-3 Consent Order and a State assistance contract with the City for a Remedial Investigation/Feasibility Study (RI/FS). Field work for the RI was completed in October of 1993. The RI/FS was completed in 1995.,and a Record of Decision (ROD) was signed on March 22, 1995. The ROD called for extensive remedial construction. Remedial work included construction of a groundwater pump and treat (p&t) system where contaminated groundwater was treated by carbon filtration prior to being discharged to a POTW. The p&t system worked effectively, and groundwater contaminant levels dropped significantly over time, enough so that the carbon filters were no longer needed. They were removed in the spring of 2001. Operation, monitoring and maintenance (OM&M) is presently underway, and the most recent round of OM&M monitoring well sampling was done in November of 2000, and POTW sampling in November of 2001. Analytical data shows that the groundwater impact has diminished, indicating that the remedy is effective, consequently the frequency of OM&M monitoring well sampling will be reduced to once every year and a quarter, and POTW sampling increased to quarterly.

**Confirmed Hazardous Waste Disposal:**

Cyanide salts  
Hydrofluoric Acid  
Corrosive liquids  
Solvents

**Quantity:**

Plating tanks and several  
hundred drums and other  
containers  
39 vats  
Approximately 150 Drums  
Numerous small containers  
of laboratory chemicals

<b>Analytical Data Available for:</b>	<b>Groundwater</b>	<b>Surface Water</b>	<b>Soil</b>	<b>Sediment</b>
<b>Applicable Standards Exceeded in:</b>	<b>Groundwater</b>			
<b>Geotechnical Information:</b>		<b>Depth to</b>		
<b>Soil/Rock Type:</b> Dense, silt-rich clay over shale.		<b>Groundwater:</b> Range: 5 to 10 feet.		

<b>Legal Action:</b> Type: <b>State</b>	<b>Consent Order</b>	<b>Status:</b>	<b>Order Signed</b>
<b>Remedial Action:</b>	<b>In Design</b>	<b>Nature of action:</b>	<b>RD/RA.</b>

**Assessment of Environmental Problems:**

Remedial construction work has been completed. Operation, monitoring and /or maintenance is now underway.

**Assessment of Health Problems:**

Contaminated surface soils have been removed from the site as well as a neighboring private residence. Additional efforts to eliminate the entry of contaminated groundwater into the basement of a neighboring home have been completed. Recent samples collected from the adjacent private residence did not reveal any site related contamination.

12/21/1999

File: 6-33-027

James

NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
INACTIVE HAZARDOUS WASTE SITE OPERATION & MAINTENANCE  
REVIEW REPORT

Site Name: Primoshield Plating      Class: 4      Number: 633033

Contact: None-This is a State Superfund Site.

O & M: Started in December, 1998

Historical Highlights:

Site abandoned; City of Utica forecloses for failure to pay taxes  
EPA Removal Action  
Demolition of Structures  
Construction of Groundwater Collection System with Treatment Building

Interim Remedial Measures:

Security Fence  
Soil Removal  
Hazardous Material Removal

Operable Units in the Operation/Maintenance Phase:

Groundwater Collection System  
Groundwater Treatment System

Site History:

The primary site is an abandoned plating facility which was foreclosed upon by the City of Utica for failure to pay taxes. A secondary part of the site is at the rear of the DePaul building on a different piece of property where solutions were purportedly dumped.

An EPA removal action was performed in 1986 and 1987.

The Record of Decision was signed in 1995, and remediation was completed at the end of 1998. The site went into Operation and Maintenance in December, 1998.

During the past year there have been three quarterly groundwater samplings and three treatment system samplings. The groundwater is discharged to the Oneida County Sewer Authority under a Clean Water Act permit issued by the Oneida County Sewer Authority.

Institutional Controls: None save continued Registry status. The site is fenced and locked while the treatment building is similarly locked. Nonetheless, there is access from an adjacent house through their gate. Region 6 Operations maintains the primary site and performs inspections on the fence. No exposed waste is on-site.

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Thanks  
James

#### Current Status:

The results of the sampling events for both the groundwater monitoring wells and the treatment system indicate the groundwater collection system is capturing contaminants. Vertically there is the groundwater collection system, the shallow monitoring wells, and the deep wells. For all three sampling events the contaminant levels are much higher in the treatment system influent than in the shallow wells, and the contamination in the shallow wells is much higher than in the deep wells, where except for a toluene anomaly no chlorinated organic contamination has been found. Similarly, nickel in the treatment system influent is higher than the New York Class GA standard, but nickel values in the shallow and deep wells are within the above standard by a wide margin. No cyanide contamination has been found in any medium.

In short, it appears the groundwater collection system is capturing the contaminants, and removing them, since most are "sinkers", before they have the opportunity to contaminate the shallow and deep aquifers.

The deep well behind the DePaul property consistently shows chromium contamination above the 50 microgram/liter Class GA groundwater standard. No organic contaminant has been detected for this well.

#### Recommendations:

The NYSDEC has petitioned the Oneida County Sewer Authority to remove the activated carbon treatment for the site. The total volatile organics influent by EPA Method 624 is 1/10 the permit limit for Total Toxic Organics.

The Remedy is effective.  
There is ROD Compliance.  
There is no Consent Order.

Project Manager: Terry Hughes

Reviewer: Gerald Rider, Jr.

Signature: \_\_\_\_\_

Date: December 21, 1999

Phone: 518-457-7308

Signature: \_\_\_\_\_

Date:

Phone: 518-457-0927

Primoshield Plating Site			No. 633027		Oneida County			
1998	Effluent Treatment System Results							
								dup
	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Chromium	Lead	Nickel	Cadmium	Zinc	Copper	Cyanide	Cyanide
08/26/98	<0.003	<0.003	0.032	<0.001	0.043		<0.05	<0.05
09/11/98	0.007	0.075	<0.003	0.003	0.021		<0.005	<0.005
09/21/98	0.005	0.021	0.085	<0.001	0.048	0.022	<0.005	<0.005
10/07/98	<0.003	<0.003	0.114	<0.001	0.027	0.024	<0.010	
10/20/98	<0.003	0.012	0.158	<0.001	0.028	0.012	<0.01	
11/05/98	0.004	0.012	0.202	0.002	0.84		0.03	
11/20/98	0.006	0.014	0.195	<0.001	0.072		0.03	
12/02/98	<0.003	0.005	0.153	<0.001	0.051	0.026	<0.010	
<b>LIMITS</b>	5.00	5.00	2.00	1.00	4.00	3.00	3.00	3.00
		mg/l	dup					
	pH	Total VOC's	Total VOC's					
08/26/98	7.40	0.088	0.015					
09/11/98	7.25	0.033	0					
09/21/98	7.29	0.006						
10/07/98	7.20	0						
10/20/98	7.34	0						
11/05/98	7.65	0						
11/20/98	7.09	0						
12/02/98	7.22	0						
<b>LIMITS</b>	5.0-12.5	2.00						

# Annual Report Summary

Printed 05/13/02

Site Name: **Primoshield, Inc.** Class: 4 Review Rpt Date: **03/23/00**  
 Site Code: **633027** Lead Bureau: **HSC** Next Review: **11/3/03**  
 Funding: **S** Om Start: **12/01/98** O&M Status: **1**  
 Responsibility: **DER** Pln/Act: **ACT** Remedy: **CO, TR, FS**  
 Oversight Lead: **CO** Annual Cost: **0** Inst. Control: **2**  
 Reports: **Quarterly reports**  
 Inspection: **Y** *4/13/99, 7/21/99, 10/28/99, 2/7/00 and 11/30/00*  
 DEC Sampling: **Y** Sampling Date: **11** Next Sampling: **11** *- 4/13/99, 7/27/99, 10/28/99, 2/7/00, 11/30/00*  
 Other: **N**  
 Explanation:  
 Rem Effective?: **Y** Prob Dgr: **NA**  
 Rod Cmpl: **Y** ROD/CO Mod: **N**  
 Con Compliance?: **NA** Reclass: **N**  
 Problems: **1F** Reclass To: **NA**  
 Proj Mgr: **Lasdin** Reviewer: **Rider**  
 Comments: 2000: The activated carbon system can be removed. The monitoring frequency can be reviewed after the 2/00 results are evaluated.  
 2001: Sump pump to be replaced in spring and the carbon drums will be disconnected with the ability to reconnect them. There is question whether the sump pumps' in addition to the drum's failing will cause high level alarms. There is also question whether shutting down the pump will cause flooding in the basement.

## ) Reports:

Semi-Annual Groundwater Permit Records: *5/31/99, 11/30/99, 5/31/00 (11/30/00 and 5/31/01) not done pump was down* 11/30/01, 5/31/02.

Quarterly Groundwater Monitoring Reports: *4/30/99, 7/30/99, 10/30/99, 2/7/00, and 11/30/00*

Comments: see comments on Review Report.