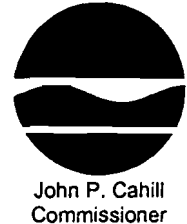


File *cf. Rider*

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 260A
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-0927 FAX: (518) 457-8989



December 17, 1999

CERTIFIED MAIL

Mr. Dan Hoffman
Industrial Waste Chemist
Attention: Pretreatment
Oneida County Sewer District
PO Box 442
Utica, New York 13503

*attached
primoshield data
1/3/00
1/3/00*

Dear Mr. Hoffman:

Re: **Groundwater Permit No. GW-040, Semi-Annual Report Formerly City of
Utica, Primoshield Plating, Inc., Site #6-33-027, Oneida County Sewer
District: May 30, 1999 to November 30, 1999**

I. SEMI-ANNUAL REPORT

Enclosed please find the Semi-Annual Report, due November 30, 1999, for the above Groundwater Permit from Primoshield Plating, NYS Site #6-33-027, City of Utica. The report contains the Oneida County Sewer District Reporting Form and the Oneida County Sewer District Industrial Use Report Certifications. While the sampling was performed on October 28, 1999, the actual analytical results were received December 2, 1999.

Please note all analytical values on the reporting form are expressed in mg/liter; the raw analytical data is expressed in micrograms/liter. The term "U" at the end of a value means that the compound or parameter was not detected at the level preceding the U.

All analysis was performed by Chemtech, Englewood, New Jersey, NYS Department of Health (NYSDOH) Certification No. 10624. All analyses for this permit are analyses specified in 40 CFR 136, see enclosed. Should you have questions concerning the analytical methods, feel free to contact Mr. Divya Mehta at 610/280-3000.

Samples beyond the required effluent sample were taken. The additional samples were taken to provide a base for elimination of the activated carbon treatment system. The additional sample is an influent sample. Handwritten on each analysis page is where the sample was taken.

Influent and effluent samples were tested for pH and total cyanides. A sample taken between the two carbon drums was tested for VOC's by EPA Method 624.

VOC's above detection limits are highlighted. Per standard practice, confirmed with Jim Praznik, Chemist, only values above detection limits are summed for Total VOC's by EPA Method 624.

No parameter analysis was near any toxic hazardous waste level.

The only metal within logarithmic range of the permit limit is nickel. The nickel analytical values had the anomaly that the influent nickel concentration was 192 micrograms/liter while the effluent nickel concentration was 286 micrograms/liter, almost 0.1 ppm higher than the influent. This difference should be higher than total variation due to sampling variability and analytical variability.

II. DISCHARGE FLOWS

Monthly flow totalizer data was collected June 25th, July 27th, August 31st, October 28th, and November 30th.

The site is not served by City Water, and as such no water bills are enclosed. The source of the water discharged is collected groundwater from three (3) groundwater interceptor trenches.

The readings, in gallons, are listed below:

November 30, 1999:	652,930
October 28, 1999:	621,947
August 31, 1999:	486,476
July 27, 1999:	478,717
June 25, 1999:	411,545
May 23, 1999:	395,752

The monthly differences are, respectively, roughly 15,693 gallons between June and May, 67, 172 gallons between July and June, 7,759 gallons from July 27th to August 31st, 135,471 gallons for the months of September and October, and 30,987 gallons for the month through the end of the applicable period, November 30, 1999.

Average flow, based upon the May 23rd reading, is approximately 825 gallons per day, far below the trigger for a Significant Industrial User (SIU).

III. ACTIVATED CARBON SYSTEM SHUTDOWN

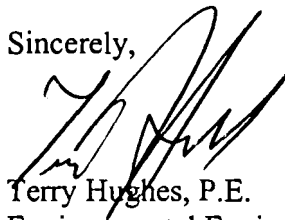
With this report the NYS Department of Environmental Conservation (NYSDEC) is requesting the activated carbon treatment be discontinued and removed. When approval is received, the activated carbon drums will be removed, and the piping reconfigured to continue to run through the stainless steel filters, but as a straight pipe conduit through the water meter to the existing discharge point. Standard Schedule 80 PVC solvent welded pipe will be used. The removal of the carbon drums would increase the reliability of the groundwater capture and discharge system.

The basis for this request is that the highest influent value for VOC's as determined by 40 CFR 136 Method 624 is less than 5% of the applicable Total Toxic Organic (TTO) permit parameter, far below even a logarithmic difference. The treatment system only adsorbs VOC's, and has no effect on other parameters. Our request would leave in place the stainless steel mesh filters which trap suspended solids.

NYSDEC has performed three quarters of groundwater monitoring through sampling and analysis of groundwater monitoring wells on-site and off-site. The clear conclusion from these monitoring events is the remedy is working well: the highest values for VOC's is in the captured effluent, the aim of the remedy, while VOC values in the shallow wells are significantly less, and VOC values in the deep wells either low or non-existent. Since the site contaminants of concern are VOC's whose specific gravity is higher than water, colloquially known as "sinkers", the site analysis shows that the sinkers are entrapped within the groundwater collection system, and are not traveling downwards to the shallow wells nor lower into the deep wells. The sentinel well off-site, P-104, has shown no hits at all, indicating that horizontal migration has not yet occurred.

Should you have any questions, feel free to call me at 518/457-7308. Thank you for your time and patience.

Sincerely,



Terry Hughes, P.E.
Environmental Engineer
Operation & Maintenance Section

Enclosures:

Analytical Data, POTW Semi-Annual Report, 10/28/1999 Sampling
Analytical Data, POTW Permit System, 07/27/1999 Sampling
Groundwater Monitoring Report, Primoshield, #6-33-027, July 27, 1999 Sampling Event

cc:w/enc. D. Sweredoski, Region 6
J. Marsch, Region 6
~~w/o enc.~~ G. Rider

ONEIDA COUNTY SEWER DISTRICT REPORTING FORM

Submit To: ATTN: PRETREATMENT ONEIDA COUNTY SEWER DISTRICT PO BOX 442 UTICA NY 13503

From: NYSDEC STATE OFFICE BLDG WATERTOWN NY 13601

Site: PRIMOSHIELD 1212 ST.VINCENT STREET UTICA NY 13501

REPORTING PERIOD: May 30, 1999 to November 30, 1999

SAMPLING RESULTS:

For Semi-Annual Reporting, a grab sample of the Primoshield Site Batch Discharge is analyzed for the pollutants listed. Attach signed Report Certification.

In response to any violations incurred, self-monitor for pollutant in violation at least once a week until there are results for three consecutive sampling events which are in full compliance with Permit Limits. Submit all results for all samples taken. The first resampling result is due within thirty (30) days; a complete report with all three resampling results is due within sixty (60) days. Attach signed Report Certification.

ATTACH COPIES OF ALL CITY WATER BILLS, CONTRACT LABORATORY REPORTS, AND MANIFESTS OF HAZARDOUS WASTE SHIPMENTS FOR THE REPORTING PERIOD.

POLLUTANT PARAMETER:	DAILY MAXIMUM LIMIT	ANALYTICAL RESULTS		
		Sample#1	Sample#2	Sample#3
Date Sampled		<u>10/28/98</u>	<u>10/28/98</u>	
Sample Number		<u>9166-10</u>	<u>9166-8</u>	
Discharge Flow (Note 1)		<u>Sec 1.1</u>	<u>Sec 1.1</u>	
pH	5.0-12.5	<u>7.15</u>	<u>7.35</u>	
Cadmium, mg/L	1.0	<u>0.001U</u>	<u>0.001U</u>	
Chromium, mg/L	5.0	<u>0.001U</u>	<u>0.001U</u>	
Copper, mg/L	3.0	<u>0.034</u>	<u>0.037</u>	
Lead, mg/L	5.0	<u>0.002U</u>	<u>0.004</u>	
Nickel, mg/L	2.0	<u>0.286</u>	<u>0.192</u>	
Zinc, mg/L	4.0	<u>0.026</u>	<u>0.026</u>	
Cyanide, mg/L	3.0	<u>0.009U</u>	<u>0.009U</u>	
Total VOCs (Note 2)	2.0	<u>0.021</u>	<u>0.078</u>	

1) Attach monthly flow totalizer data.

2) Total VOCs using EPA Method 624.

Signature: [Signature]

Date: 12/16/99

ONEIDA COUNTY SEWER DISTRICT
INDUSTRIAL USER REPORT CERTIFICATION

Submit To:	From	Site
ATTN: PRETREATMENT	NYSDEC	PRIMOSHIELD
ONEIDA COUNTY SEWER DISTRICT	STATE OFFICE BLDG	1212 ST.VINCENT STREET
PO BOX 442	WATERTOWN NY 13601	UTICA NY 13501
UTICA NY 13503		

ATTACH TO REPORT DATED:

12/12/1999

REPORTING PERIOD:

May 30, 1999 to November 30, 1999

The following certification of information provided in industrial user reports is made in compliance with the General Pretreatment Regulations.

1. Compliance or Non-Compliance Status: Ref = 40 CFR 403.12(b)(6)

Check A or B. If B is checked, attach a statement describing O&M and/or pretreatment required; include the shortest schedule by which you can provide the required O&M and/or pretreatment.

☒ A. I certify that Pretreatment Standards are being met on a consistent basis.

☐ B. I certify that Pretreatment Standards are NOT being met on a consistent basis, and that additional operation and maintenance (O&M) and/or additional pretreatment is required to achieve compliance with Pretreatment Standards and Requirements.

2. Information Certification: Ref = 40 CFR 403.6(a)(2)(ii)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature: _____

Title: _____

Date: _____

12/12/99

PLEASE ATTACH THIS CERTIFICATION TO THE SEMI-ANNUAL & OTHER REPORTS THAT YOU SUBMIT TO THE ONEIDA COUNTY SEWER DISTRICT.

CHEMTECH

CHAIN OF CUSTODY RECORD

Please check one:

☒ 110 Route 4
Englewood, NJ 07631
(201) 567-6868
Fax (201) 567-1333

☐ 205 Campus Plaza 1
Edison, NJ 08837
(732) 225-4111
Fax (732) 225-4110

☐ 515 Route 9 South
Barnegat, NJ 08005
(609) 698-0199
Fax (609) 698-0910

CHEMTECH JOB NO.:

CHEMTECH QUOTE NO.:

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: NYSDEC: E-R
ADDRESS: Room 252: 50 W 67th Rd.
CITY: Albany STATE: NY ZIP: 12233-7010
ATTENTION: TM Koch
PHONE: 518-457-0747 FAX: 518-457-8989

PROJECT INFORMATION

PROJECT NAME: Primo
PROJECT NO.: 1
PROJECT MANAGER: TM Koch
LOCATION: Albany
PHONE: 457-0747 FAX: 457-8989

BILLING INFORMATION

BILL TO: _____ PO #: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

DATA TURNAROUND INFORMATION

FAX: _____ DAYS: _____
HARD COPY: _____ DAYS: _____
EDD: _____ DAYS: _____
* TO BE APPROVED BY CHEMTECH
** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ NYS ASP "B"
☐ NJ REDUCED ☐ NYS ASP "A"
☐ NJ CLP ☐ EDD
☐ EDD FORMAT: _____

1 40 ml vials
2 1/2 L. metals bottle
3 1/2 L. cyanide bottle
4 4 oz. pH bottle (plastic)
5
6
7
8
9

CHEMTECH SAMPLE ID	SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	SH099-1028-9166 - 09	water	X		10/28/98	2:45 PM	3	2	-	-	1						between beds
2.	" " " " - 10	water	X		" "	2:50 PM	5	2	1	1	1						effluent POTW
3.	SH099-1028-9166 - 09																
4.																	
5.																	
6.																	
7.																	
8.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>TM Koch</u>	DATE/TIME: <u>10/28/98: 5:20 PM</u>	RECEIVED BY: <u>UP3</u>	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non-Compliant ☐ Temp. of Cooler <u>42</u> Comments: Page <u>2</u> of <u>2</u>
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY: 3.	DATE/TIME: <u>10/29/98 11:30</u>	RECEIVED FOR LAB BY: <u>Danberry</u>	

Shipment Complete: Yes _____ No _____

REPORT OF ANALYSES

NEW YORK STATE D. E. C.
50 WOLF ROAD
ROOM 301
ALBANY, NY 12233-3502
Attn: JOHN M. RYAN

DATE: 11/24/99

PROJECT # 13948 DEC

SAMPLE NUMBER- 89372
DATE SAMPLED- 10/28/99
DATE RECEIVED- 10/29/99
DELIVERED BY- UPS

SAMPLE ID- SH099-1028-9166-10
TIME SAMPLED- 0250 SAMPLER- CLIENT
TIME RECEIVED- 1030
RECEIVED BY- AD SAMPLE MATRIX- WW

POTW/
E.H. Hunt

Page 1 of 1

ANALYSIS	ANALYSIS				RESULT	UNITS
	METHOD	DATE	TIME	BY		
pH	EPA 150.1	10/30/99		JKV	7.15	STD UNITS

LABORATORY DIRECTOR



☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333

☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

000016

REPORT OF ANALYSES

NEW YORK STATE D. E. C.
50 WOLF ROAD
ROOM 301
ALBANY, NY 12233-3502
Attn: JOHN M. RYAN

DATE: 11/24/99

PROJECT # 13948 DEC

SAMPLE NUMBER- 89371
DATE SAMPLED- 10/28/99
DATE RECEIVED- 10/29/99
DELIVERED BY- UPS

SAMPLE ID- SH099-1028-9166-08
TIME SAMPLED- 0241 SAMPLER- CLIENT
TIME RECEIVED- 1030
RECEIVED BY- AD SAMPLE MATRIX- WW

POTW,
Influent

Page 1 of 1

ANALYSIS	ANALYSIS				
	METHOD	DATE	TIME	BY	RESULT UNITS
pH	EPA 150.1	10/30/99		JKV	7.35 STD UNITS

LABORATORY DIRECTOR



☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333

☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

000014

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1028-9166-10

Lab Name: CHEMTECH

Contract: NEW YORK STATE D.E.C.

Project No.: 13948DEC

Site: _____

Location: ALBANY

Group: _____

Matrix: (soil/water) WATER

Lab Sample ID: O89372

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: V9789.D

Level: (low/med) _____

Date Received: 10/29/99

% Moisture: not dec. 100

Date Analyzed: 11/4/99

GC Column: RTX624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

POTW
Effluent

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane	2.3		U
74-83-9	Bromomethane	1.8		U
75-01-4	Vinyl Chloride	2		U
75-00-3	Chloroethane	1.6		U
75-09-2	Trichlorofluoromethane	1.5		U
75-09-2	Methylene Chloride	2.1		
75-35-4	1,1-Dichloroethene	1.2		U
75-34-3	1,1-Dichloroethane	1.4		
156-60-5	trans-1,2-Dichloroethene	1		U
67-66-3	Chloroform	0.4		U
107-06-2	1,2-Dichloroethane	0.5		U
71-55-6	1,1,1-Trichloroethane	13		
56-23-5	Carbon Tetrachloride	2.1		
75-27-4	Bromodichloromethane	0.6		U
78-87-5	1,2-Dichloropropane	0.8		U
10061-01-5	cis-1,3-Dichloropropene	0.3		U
79-01-6	Trichloroethene	2.1		
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.9		U
71-43-2	Benzene	0.6		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
110-75-8	2-Chloroethyl Vinyl Ether	1.5		U
75-25-2	Bromoform	0.7		U
127-18-4	Tetrachloroethene	0.6		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
108-88-3	Toluene	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
136777-61-2	m + p-Xylenes	0.4		U
95-47-6	o-xylene	0.4		U
95-50-1	1,2-Dichlorobenzene	0.2		U
541-73-1	1,3-Dichlorobenzene	0.4		U
106-46-7	1,4-Dichlorobenzene	0.3		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1028-9166-10

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Project No. 1394 Site: _____ Location: ALBANY Group: _____
 Matrix: (soil/water) WATER Lab Sample ID: O89372
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V9789.D
 Level: (low/med) _____ Date Received: 10/29/99
 % Moisture: not dec. 100 Date Analyzed: 11/4/99
 GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:
 Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1028-9166-08

Lab Name: CHEMTECH

Contract: NEW YORK STATE D.E.C.

Project No.: 13948DEC

Site: _____

Location: ALBANY

Group: _____

Matrix: (soil/water) WATER

Lab Sample ID: 089371

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: V9788.D

Level: (low/med) _____

Date Received: 10/29/99

% Moisture: not dec. 100

Date Analyzed: 11/4/99

GC Column: RTX624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

POTV
Influent

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane	2.3		U
74-83-9	Bromomethane	1.8		U
75-01-4	Vinyl Chloride	2		U
75-00-3	Chloroethane	1.6		U
75-09-2	Trichlorofluoromethane	1.5		U
75-09-2	Methylene Chloride	2.2		
75-35-4	1,1-Dichloroethene	2.5		
75-34-3	1,1-Dichloroethane	3.2		
156-60-5	trans-1,2-Dichloroethene	1		U
67-66-3	Chloroform	0.4		U
107-06-2	1,2-Dichloroethane	0.5		U
71-55-6	1,1,1-Trichloroethane	38		
56-23-5	Carbon Tetrachloride	6.2		
75-27-4	Bromodichloromethane	0.6		U
78-87-5	1,2-Dichloropropane	0.8		U
10061-01-5	cis-1,3-Dichloropropene	0.3		U
79-01-6	Trichloroethene	26		
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.9		U
71-43-2	Benzene	0.6		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
110-75-8	2-Chloroethyl Vinyl Ether	1.5		U
75-25-2	Bromoform	0.7		U
127-18-4	Tetrachloroethene	0.6		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
108-88-3	Toluene	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
136777-61-2	m + p-Xylenes	0.4		U
95-47-6	o-xylene	0.4		U
95-50-1	1,2-Dichlorobenzene	0.2		U
541-73-1	1,3-Dichlorobenzene	0.4		U
106-46-7	1,4-Dichlorobenzene	0.3		U

000012

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1028-9166-08

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
Project No. 1394 Site: _____ Location: ALBANY Group: _____
Matrix: (soil/water) WATER Lab Sample ID: O89371
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V9788.D
Level: (low/med) _____ Date Received: 10/29/99
% Moisture: not dec. 100 Date Analyzed: 11/4/99
GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:
Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
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27.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1028-9166-09

Lab Name: CHEMTECH

Contract: NEW YORK STATE D.E.C.

Project No.: 13948DEC

Site:

Location: ALBANY

Group:

Matrix: (soil/water) WATER

Lab Sample ID: O89373

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: V9790.D

Level: (low/med)

Date Received: 10/29/99

% Moisture: not dec. 100

Date Analyzed: 11/4/99

GC Column: RTX624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

*POTV,
Between
Carbon
Bed*

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	<u>ug/L</u>	
74-87-3	Chloromethane	2.3		U
74-83-9	Bromomethane	1.8		U
75-01-4	Vinyl Chloride	2		U
75-00-3	Chloroethane	1.6		U
75-09-2	Trichlorofluoromethane	1.5		U
75-09-2	Methylene Chloride	2.2		
75-35-4	1,1-Dichloroethene	1.4		
75-34-3	1,1-Dichloroethane	2.4		
156-60-5	trans-1,2-Dichloroethene	1		U
67-66-3	Chloroform	0.4		U
107-06-2	1,2-Dichloroethane	0.5		U
71-55-6	1,1,1-Trichloroethane	28		
56-23-5	Carbon Tetrachloride	4.5		
75-27-4	Bromodichloromethane	0.6		U
78-87-5	1,2-Dichloropropane	0.8		U
10061-01-5	cis-1,3-Dichloropropene	0.3		U
79-01-6	Trichloroethene	11		
124-48-1	Dibromochloromethane	0.5		U
79-00-5	1,1,2-Trichloroethane	0.9		U
71-43-2	Benzene	0.6		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
110-75-8	2-Chloroethyl Vinyl Ether	1.5		U
75-25-2	Bromoform	0.7		U
127-18-4	Tetrachloroethene	0.6		U
79-34-5	1,1,2,2-Tetrachloroethane	1		U
108-88-3	Toluene	0.5		U
108-90-7	Chlorobenzene	0.5		U
100-41-4	Ethylbenzene	0.5		U
136777-61-2	m + p-Xylenes	0.4		U
95-47-6	o-xylene	0.4		U
95-50-1	1,2-Dichlorobenzene	0.2		U
541-73-1	1,3-Dichlorobenzene	0.4		U
106-46-7	1,4-Dichlorobenzene	0.3		U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1028-9166-09

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Project No. 1394 Site: _____ Location: ALBANY Group: _____
 Matrix: (soil/water) WATER Lab Sample ID: O89373
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: V9790.D
 Level: (low/med) _____ Date Received: 10/29/99
 % Moisture: not dec. 100 Date Analyzed: 11/4/99
 GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE #

SH099-1028-9166-10

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEM

Case No.:

SAS No.:

SDG No.: 13948

Matrix (soil/water): WATER

Lab Sample ID: 89372S

Level (low/med): LOW

Date Received: 10/29/99

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	1.0	U		P
7440-38-2	Arsenic	6.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-47-3	Chromium	1.0	U		P
7440-50-8	Copper	33.6			F
7440-28-0	Thallium	7.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	286			P
7439-92-1	Lead	2.0	U		P
7440-36-0	Antimony	5.0	U		P
7782-49-2	Selenium	5.0	U		P
7440-66-6	Zinc	26.2			P
	Cyanide	4.0	U		CA

POTW
Effluent

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

NYSDEC - ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE #

SH099-1028-9166-08

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEM

Case No.:

SAS No.:

SDG No.: 13948

Matrix (soil/water): WATER

Lab Sample ID: 80371S

Level (low/med): LOW

Date Received: 10/29/99

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	1.0	U		P
7440-38-2	Arsenic	6.0	U		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-47-3	Chromium	1.0	U		P
7440-50-8	Copper	37.6			P
7440-28-0	Thallium	7.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	192			P
7439-92-1	Lead	4.4			P
7440-36-0	Antimony	5.0	U		P
7782-49-2	Selenium	5.0	U		P
7440-66-6	Zinc	25.6			P
	Cyanide	4.0	U		CA

POTW
Influent

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

WESTON Analyticals Inorganics Section

Date of Prep: 04/14/99
 Date of Analysis: 04/14/99
 Worksheet: PH0414
 Computer #: DAWIN
 Directory: INORGANICS
 Run Batch: 99LPH037
 Method: 159.1
 Analyst: RDB
 Instrument: METER
 CALIB DATA
 SLOPE: 0.00
 INTERCEPT: 0.00
 CORRELATION COEFF.: 0

RFM SAMPLE ID	TEST	INST. ABS	INITIAL RESULT	DILUTION FACTOR	C/D	FINAL RESULT	DETECTION LIMIT	REPLICATE ORIG SAMPLE RESULT	REP % DIFF	SPIKE Spike Level	SPIKE Amount	% RECOV	LCS ANT LCS	PREP BATCH	REQUIRED SAMPLE VOL.	ACTUAL SAMPLE VOL.	% SOLIDS	ANAL TIME	DATE PREP
CCV4	IPH	.				4.03	0.01 PH UNITS							99LPH037				09:49	
CCV7	IPH	.				7.00	0.01 PH UNITS							99LPH037				09:52	
CCV10	IPH	.				10.00	0.01 PH UNITS							99LPH037				09:55	
9904L627-008	IPH	.				9.17	0.01 PH UNITS							99LPH037				09:59	
CCV7	IPH	.				7.00	0.01 PH UNITS							99LPH037				10:05	
CCV10	IPH	.				10.00	0.01 PH UNITS							99LPH037				10:12	
CCV7	IPH	.				6.97	0.01 PH UNITS							99LPH037				12:28	
9904L674-003	IPH	.				7.31	0.01 PH UNITS							99LPH037				12:32	
9904L674-007	IPH	.				7.06	0.01 PH UNITS							99LPH037				12:36	
9904L674-007	IPH-R	.				7.08	0.01 PH UNITS	7.060	0.3					99LPH037				12:39	
CCV7	IPH	.				6.99	0.01 PH UNITS							99LPH037				12:42	
9904L642-002	IPH	.				3.38	0.01 PH UNITS							99LPH037				12:55	
9904L642-006	IPH	.				3.13	0.01 PH UNITS							99LPH037				13:00	
CCV4	IPH	.				4.04	0.01 PH UNITS							99LPH037				13:05	
CCV7	IPH	.				7.02	0.01 PH UNITS							99LPH037				13:10	
CCV4	IPH	.				3.99	0.01 PH UNITS							99LPH037				14:30	
CCV7	IPH	.				7.00	0.01 PH UNITS							99LPH037				14:32	
CCV10	IPH	.				9.99	0.01 PH UNITS							99LPH037				14:35	
9904L714-001	IPH	.				7.38	0.01 PH UNITS							99LPH037				14:37	
9904L714-002	IPH	.				7.30	0.01 PH UNITS							99LPH037				14:40	
9904L714-002	IPH-R	.				7.31	0.01 PH UNITS	7.300	0.1					99LPH037				14:43	
CCV7	IPH	.				6.99	0.01 PH UNITS							99LPH037				14:45	

* Sample 684-10 and 11 changed to
 714-001, 002. *but*
 and reanalyzed. *4/28/99*



**ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL**

51 Leland Ave, PO Box 442, Utica, NY 13503-0442
(315)-798-5656 FAX 724-9812

Ralph J. Eannace, Jr.
County Executive

Steven P. Devan, P.E.
Commissioner

October 15, 1999

DARRELL SWEREDOWSKI
NYSDEC
STATE OFFICE BLDG
WATERTOWN NY 13601

Remediation Site PRIMOSHIELD c/o NYSDEC

Re. Semi-Annual Report Requirements

Oneida County Groundwater Discharge Permits require that self-monitoring reports and certification statements be submitted on a semi-annual basis; the report due dates are May 31 and November 30 of each year.

Every day a report is late is considered a Violation of Pretreatment Standards. In addition to daily violations, the Federal General Pretreatment Regulations [40 CFR 403.8(F)(2)(vii)] have defined reports late by more than thirty (30) days as being in "Significant Non-Compliance" (SNC).

To avoid possible enforcement actions because of late reports, take your semi-annual self-monitoring samples well in advance of the due date to allow for the turn-around time necessary to receive the results from your contract laboratory.

Note: As a result of USEPA & NYSDEC pretreatment audits the OCSD requires that your contract laboratory include a method reference and chain of custody information with all analytical reports. The laboratories are required to use methods listed in 40 CFR 136 for pretreatment compliance monitoring.

Please disregard this notice if you have already submitted your report.

Sincerely,

**THE ONEIDA COUNTY DEPARTMENT OF
WATER QUALITY & WATER POLLUTION CONTROL**

R.D. Hoffman
Industrial Wastes Chemist

*Tom
They had EPA
inspection. No
not provided the
40 CFR 136
test to me
specification.*

HAC
D.V.
V.

ONEIDA COUNTY SEWER DISTRICT
INDUSTRIAL USER REPORT CERTIFICATION

Submit To:	From	Site
ATTN: PRETREATMENT	NYSDEC	PRIMOSHIELD
ONEIDA COUNTY SEWER DISTRICT	STATE OFFICE BLDG	1212 ST.VINCENT STREET
PO BOX 442	WATERTOWN NY 13601	UTICA NY 13501
UTICA NY 13503		

ATTACH TO REPORT DATED: _____

REPORTING PERIOD: _____ to _____

The following certification of information provided in industrial user reports is made in compliance with the General Pretreatment Regulations.

1. Compliance or Non-Compliance Status: Ref = 40 CFR 403.12(b)(6)

Check A or B. If B is checked, attach a statement describing O&M and/or pretreatment required; include the shortest schedule by which you can provide the required O&M and/or pretreatment.

- ☐ A. I certify that Pretreatment Standards are being met on a consistent basis.
- ☐ B. I certify that Pretreatment Standards are NOT being met on a consistent basis, and that additional operation and maintenance (O&M) and/or additional pretreatment is required to achieve compliance with Pretreatment Standards and Requirements.

2. Information Certification: Ref = 40 CFR 403.6(a)(2)(ii)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature: _____

Title: _____

Date: _____

PLEASE ATTACH THIS CERTIFICATION TO THE SEMI-ANNUAL & OTHER REPORTS THAT YOU SUBMIT TO THE ONEIDA COUNTY SEWER DISTRICT.

ONEIDA COUNTY SEWER DISTRICT REPORTING FORM

Submit To:	From	Site
ATTN: PRETREATMENT	NYSDEC	PRIMOSHIELD
ONEIDA COUNTY SEWER DISTRICT	STATE OFFICE BLDG	1212 ST.VINCENT STREET
PO BOX 442	WATERTOWN NY 13601	UTICA NY 13501
UTICA NY 13503		

REPORTING PERIOD: _____ to _____

SAMPLING RESULTS:

For Semi-Annual Reporting, a grab sample of the Primoshield Site Batch Discharge is analyzed for the pollutants listed. Attach signed Report Certification.

In response to any violations incurred, self-monitor for pollutant in violation at least once a week until there are results for three consecutive sampling events which are in full compliance with Permit Limits. Submit all results for all samples taken. The first resampling result is due within thirty (30) days; a complete report with all three resampling results is due within sixty (60) days. Attach signed Report Certification.

ATTACH COPIES OF ALL CITY WATER BILLS, CONTRACT LABORATORY REPORTS, AND MANIFESTS OF HAZARDOUS WASTE SHIPMENTS FOR THE REPORTING PERIOD.

POLLUTANT PARAMETER:	DAILY MAXIMUM LIMIT	ANALYTICAL RESULTS		
		Sample#1	Sample#2	Sample#3
Date Sampled		_____	_____	_____
Sample Number		_____	_____	_____
Discharge Flow (Note 1)		_____	_____	_____
pH	5.0-12.5	_____	_____	_____
Cadmium, mg/L	1.0	_____	_____	_____
Chromium, mg/L	5.0	_____	_____	_____
Copper, mg/L	3.0	_____	_____	_____
Lead, mg/L	5.0	_____	_____	_____
Nickel, mg/L	2.0	_____	_____	_____
Zinc, mg/L	4.0	_____	_____	_____
Cyanide, mg/L	3.0	_____	_____	_____
Total VOCs (Note 2)	2.0	_____	_____	_____

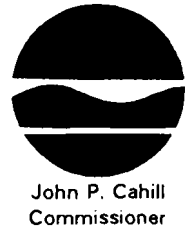
1) Attach monthly flow totalizer data.

2) Total VOCs using EPA Method 624.

Signature: _____ Date: _____

**New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 6**

Dulles State Office Building, 317 Washington Street, Watertown, New York 13601-3787
Phone: (315) 785-2513 FAX: (315) 785-2422



October 19, 1999

Mr. Steve Devan, P.E., Commissioner
Oneida Co. Water Quality &
Water Pollution Control
P.O. Box 442
Utica, NY 13503-0442

RE: SEMI-ANNUAL REPORT REQUIREMENTS
PRIMOSHIELD SITE, UTICA CITY

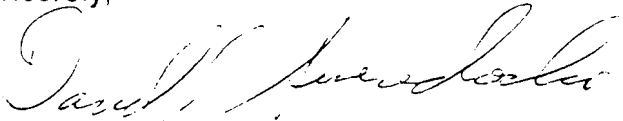
Dear Mr. Devan:

I have received recent correspondence from Mr. R. D. Hoffman regarding semi-annual report requirements for the NYSDEC superfund site at Primoshield, City of Utica.

In order to avoid delays in Department response to correspondence, I request that all future correspondence be sent directly to: Mr. Terry Hughes, P.E., Environmental Engineer, Division of Environmental Remediation, 50 Wolf Road, Albany, NY 12233-7010. I would appreciate it if you could copy me on the correspondence.

Thank you for your attention to this matter.

Sincerely,



Darrell M. Sweredoski, P.E.
Regional Env. Remediation Engineer

DMS:kw

cc: Terry Hughes
Jack Marsch