



June 11, 2007

John J. Rashak
New York State Department of Environmental Conservation
Division of Environmental Remediation
21 South Putt Corners Road
New Paltz, New York 12561-1620



Re: **Annual Groundwater Monitoring Report;**
Former Circle M Wood Treatment Facility, Fishkill, New York;
NYSDEC Site #3-14-083;
Conrad Geoscience File #CF030290

Dear Mr. Rashak:

In April and May 2007, Conrad Geoscience conducted annual groundwater monitoring in accordance with the NYSDEC-approved Remedial Work Plan, dated February 1, 2006 and accepted by NYSDEC June 15, 2006, at the Former Circle M Wood Treatment Facility (Figure 1).

Initial activities of the Remedial Work Plan began in July 2006, and included installation of three bedrock monitoring wells, one overburden monitoring well, and reinstallation of two overburden monitoring wells; baseline groundwater sampling of on-site monitoring wells; and stream water and sediment sampling.

Well installation was conducted in July 2006, baseline groundwater monitoring was conducted in August 2006, and stream water and sediment sampling was conducted in September and December 2006.

ANNUAL GROUNDWATER MONITORING

Annual groundwater monitoring was conducted on April 25 and 26, and May 23, 2007. Groundwater samples were collected from Monitoring Wells MW-1, MW-3RS, MW-3D, MW-4, MW-5, MW-6, MW-7R, MW-8, MW-9S, MW-9D, and MW-10 (Figure 2). Depth-to-water measurements were recorded from the top of each well casing, and groundwater contour maps were prepared based on these measurements (Figures 3 and 4).

Prior to sampling, Conrad Geoscience purged each monitoring well following the USEPA protocol for low-flow (minimal draw-down) groundwater sampling until physical parameters stabilized. Water quality parameters were monitored using an In-Situ® Troll

9500 water quality meter. Water samples were collected from bedrock monitoring wells (MW-3D, MW-9D and MW-10) using a bladder pump, and from overburden monitoring wells (MW-1, MW-3RS, MW-4, MW-5, MW-6, MW-7R, MW-8 and MW9S) using a peristaltic pump and dedicated polyethylene tubing, and dispensed into laboratory provided containers. Due to high turbidity from clayey soils, unfiltered and filtered groundwater samples were collected from the overburden monitoring wells.

Samples were labeled, packed on ice, and shipped via overnight delivery for analysis of arsenic, chromium and copper via USEPA Method SW846 6010.

RESULTS

Sample results are summarized in Table 1. Analytical reports are attached. Arsenic was detected in four of the 11 monitoring wells sampled (MW-4, MW-5, MW-6, and MW-8). Only Monitoring Well MW-6 contained arsenic at concentrations exceeding NYSDEC standards, in both the unfiltered and filtered samples (0.040 mg/L and 0.040 mg/L, respectively). Chromium was not detected in any of the eleven wells sampled. Copper was detected in one of the eleven wells sampled, the unfiltered MW-1 sample, at a concentration below NYSDEC standards (0.012 mg/L).

DISCUSSION

Three of the eight overburden monitoring wells contained arsenic concentrations below NYSDEC standards. Monitoring Well MW-6 contained arsenic in both the unfiltered and filtered samples at a concentration slightly above NYSDEC standards. Copper was detected in Monitoring Well MW-1 at a concentration below NYSDEC standards. Chromium was not detected in any of the eleven wells.

Arsenic, copper and chromium decreased compared to August 2006 baseline groundwater monitoring results. The concentration of arsenic detected in MW-6 decreased from 0.052 mg/L in 2006, to 0.040 mg/L in 2007. In August 2006, arsenic was detected in ten of the 11 monitoring wells sampled, compared to only three of the 11 wells in 2007. Copper was detected in two of the 11 wells sampled in 2006, compared to one well in 2007.

This round of annual groundwater monitoring indicates that the bedrock aquifer has not been significantly affected by releases of chromated-copper-arsenate from past site operations.



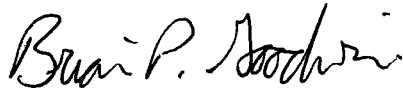
Annual Groundwater Monitoring
Chelsea Industrial Park
June 11, 2007
Page 3

Annual groundwater monitoring for 2008 is tentatively scheduled for April.

If you have any questions, please do not hesitate to contact me.

Sincerely,

CONRAD GEOSCIENCE CORP.



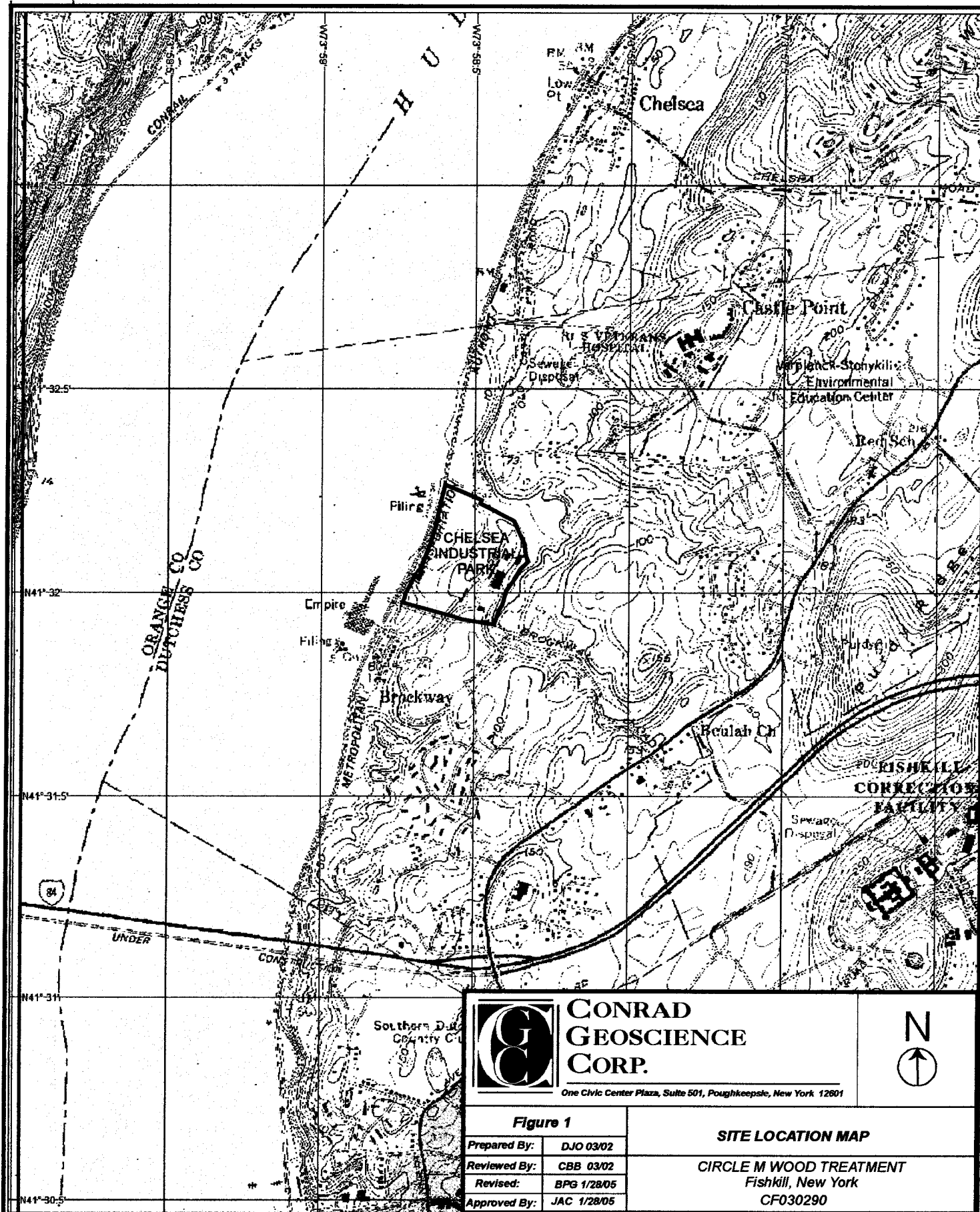
Brian P. Goodwin
Geologist

BPG/seg

attachments

cc: Mark Millspaugh
Daniel Simone
Robert Tyson





**CONRAD
GEOSCIENCE
CORP.**

One Civic Center Plaza, Suite 501, Poughkeepsie, New York 12601



Figure 1

Prepared By:	DJO 03/02
Reviewed By:	CBB 03/02
Revised:	BPG 1/28/05
Approved By:	JAC 1/28/05

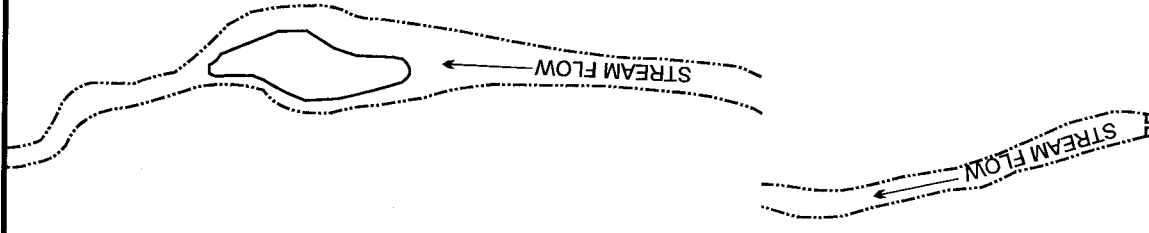
SITE LOCATION MAP

CIRCLE M WOOD TREATMENT
Fishkill, New York
CF030290

LEGEND

--- STREAM BOUNDARY

MW-1
● MONITORING WELL LOCATION



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Figure 2

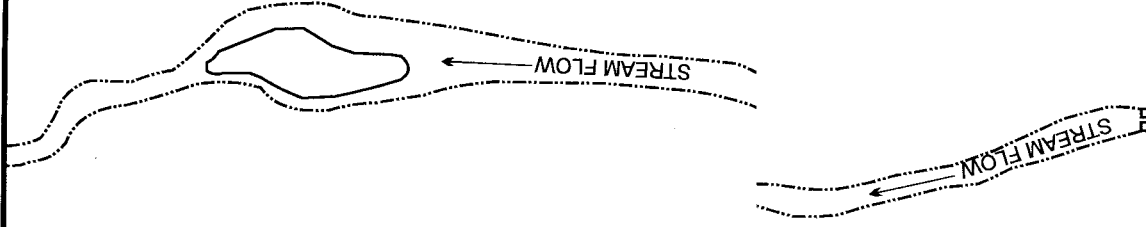
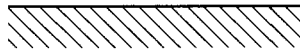
Prepared By:	BPG10/3/06
Reviewed By:	
Revised By:	
Approved By:	BPG10/3/06



MONITORING WELL LOCATION MAP
FORMER CIRCLE M WOOD TREATMENT FACILITY
Fishkill, NY
CF030290

LEGEND

- STREAM BOUNDARY
- MW-3D
● 21.3' MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION



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Figure 3

Prepared By:	BPG10/3/06
Reviewed By:	
Revised By:	SMB 04/30/07
Approved By:	BPG 04/30/07

**BEDROCK GROUNDWATER
CONTOUR MAP**

FORMER CIRCLE M WOOD TREATMENT FACILITY
Fishkill, NY
CF030290

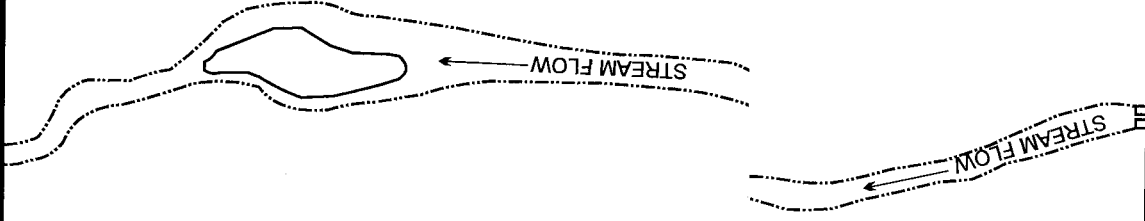
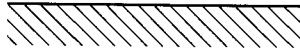


GROUNDWATER CONTOUR INTERVAL = 0.5 FEET
GROUNDWATER ELEVATIONS COLLECTED 4-25-07
ELEVATIONS RELATIVE TO LOCAL DATUM

LEGEND

--- STREAM BOUNDARY

● MW-10
18.16'
MONITORING WELL
LOCATION WITH
GROUNDWATER
ELEVATION



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Figure 4

Prepared By:	SMB 04/30/07
Reviewed By:	BPG 04/30/07
Revised By:	ADQ 05/10/07
Approved By:	BPG 05/10/07

**OVERBURDEN GROUNDWATER
CONTOUR MAP**

FORMER CIRCLE M WOOD TREATMENT FACILITY
Fishkill, NY
CF030290



Table 1.

Metals in Groundwater Monitoring Samples; USEPA Method SW846 6010; collected April 25 and 26, and May 23, 2007; Chelsea Industrial Park, Town of Fishkill, New York; Conrad Geoscience File #CF030290

Sample Identification	Chemical Constituent		
	Arsenic (0.025*)	Chromium (0.050*)	Copper (0.200*)
Metals			
MW-1 UF	ND < 0.005	ND < 0.010	0.012
MW-1 F	ND < 0.005	ND < 0.010	ND < 0.010
MW-3RS UF	ND < 0.005	ND < 0.010	ND < 0.010
MW-3RS F	ND < 0.005	ND < 0.010	ND < 0.010
MW-3D	ND < 0.005	ND < 0.010	ND < 0.010
MW-4 UF	0.006	ND < 0.010	ND < 0.010
MW-4 F	ND < 0.005	ND < 0.010	ND < 0.010
MW-5 UF	0.008	ND < 0.010	ND < 0.010
MW-5 F	0.006	ND < 0.010	ND < 0.010
MW-6 UF	0.040	ND < 0.010	ND < 0.010
MW-6 F	0.040	ND < 0.010	ND < 0.010
MW-7R UF	ND < 0.005	ND < 0.010	ND < 0.010
MW-7R F	ND < 0.005	ND < 0.010	ND < 0.010
MW-8 UF	0.007	ND < 0.010	ND < 0.010
MW-8 F	ND < 0.005	ND < 0.010	ND < 0.010
MW-9S UF	ND < 0.005	ND < 0.010	ND < 0.010
MW-9S F	ND < 0.005	ND < 0.010	ND < 0.010
MW-9D	ND < 0.005	ND < 0.010	ND < 0.010
MW-10	ND < 0.005	ND < 0.010	ND < 0.010

Notes:

* - Standards are for groundwater according 6NYCRR Part 700-705; Class GA Groundwater;
 Boldface type designates those compounds detected at concentrations exceeding NYSDEC standards;
 All units are in mg/L;
 UF = Unfiltered;
 F = Filtered;
 D = Deep/bedrock monitoring well;
 S = Shallow/overburden monitoring well;
 R = Replacement monitoring well;
 ND = Not detected, detection limit listed.





179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 07-1413

Client Job Site: Circle M - Fishkill

Sample Type: Water
Method: EPA 200.7

Client Job No.: CF030290

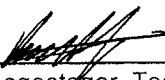
Date Sampled: 04/25-26/2007
Date Received: 04/27/2007
Date Analyzed: 05/02-04/2007

Laboratory Report for Metals Water Analysis

Lab Sample No.	Field ID No.	Field Location	Arsenic Result (mg/L)	Chromium Result (mg/L)	Copper Result (mg/L)
5134	N/A	MW-9S UF	<0.005	<0.010	<0.010
5135	N/A	MW-9S F	<0.005	<0.010	<0.010
5136	N/A	MW-9D	<0.005	<0.010	<0.010
5137	N/A	MW-3S UF	<0.005	<0.010	<0.010
5138	N/A	MW-3S F	<0.005	<0.010	<0.010
5139	N/A	MW-3D	<0.005	<0.010	<0.010
5140	N/A	MW-10	<0.005	<0.010	<0.010
5141	N/A	MW-1 UF	<0.005	<0.010	0.012
5142	N/A	MW-1 F	<0.005	<0.010	<0.010
5143	N/A	MW-7R UF	<0.005	<0.010	<0.010
5144	N/A	MW-7R F	<0.005	<0.010	<0.010

ELAP ID No. :10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt.

File ID: 071413.xls



179 Lake Avenue, Rochester, NY 14608 (585) 647-2530 FAX (585) 647-3311

Client: Conrad Geoscience

Lab Project No.: 07-1413

Client Job Site: Circle M - Fishkill

Sample Type: Water
Method: EPA 200.7

Client Job No.: CF030290

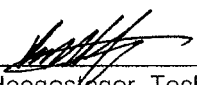
Date Sampled: 04/25-26/2007
Date Received: 04/27/2007
Date Analyzed: 05/02-04/2007

Laboratory Report for Metals Water Analysis

Lab Sample No.	Field ID No.	Field Location	Arsenic Result (mg/L)	Chromium Result (mg/L)	Copper Result (mg/L)
5145	N/A	MW-5 UF	0.008	<0.010	<0.010
5146	N/A	MW-5 F	0.006	<0.010	<0.010
5147	N/A	MW-6 UF	0.040	<0.010	<0.010
5148	N/A	MW-6 F	0.040	<0.010	<0.010
5149	N/A	MW-4 UF	0.006	<0.010	<0.010
5150	N/A	MW-4 F	<0.005	<0.010	<0.010

ELAP ID No. :10958

Comments:

Approved By: 
Bruce Hoogseeger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional sample information, including compliance with sample condition requirements upon receipt.

File ID: 071413.xls

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

Page 1 of 2

REPORT TO:		INVOICE TO:	
COMPANY: <u>CONRAD GEOSCIENCE</u>	COMPANY: <u>SIME</u>	LAB PROJECT #: <u>07-1413</u>	CLIENT PROJECT #: <u>CF030290</u>
ADDRESS: <u>ONECNR CENTER PARA</u>	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: <u>ROUGEKEESE NY 12601</u>	CITY:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input checked="" type="checkbox"/>	QUOTE #: <u>5</u>
PHONE: <u>845 434 2544</u>	PHONE:	STD	OTHER
FAX: <u>-2655</u>	FAX:		
ATTN: <u>B. GOODWIN</u>	ATTN: <u>C. BLONN</u>		
COMMENTS: <u>Pls Return Cooler</u>			

DATE	TIME	COMPOSITE	GRAAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	4-25-07 11:24		✓	MW-95 UF	GW	1	As Cr Cu	5134
2	11:26		X	MW-95 F				5135
3	11:11		X	MW-90				5136
4	1532		X	MW-39 UF				5137
5	1334		X	MW-35 F				5138
6	1358		X	MW-3D				5139
7	12:29		X	MW-10				5140
8	12:29		X	MW-1 UF				5141
9	12:32		X	MW-1 F				5142
10	14:59		X	MW-7R UF				5143

** LAB USE ONLY BELOW THIS LINE **

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
Preservation:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
Temperature:	80C iced Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

Sampled By: Bruce P. Attchorn 4-26-07/11:30

Relinquished By: Bruce P. Attchorn 4-26-07/17:00

Received By: Elizabeth A. Honch 4/27/07 1635

Total Cost:

P.I.F.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

Page 2 of 2

REPORT TO:	INVOICE TO:
COMPANY: CONRAD GEOSCIENCE	COMPANY: Same
ADDRESS: One Civic Center Plaza, Suite 501	ADDRESS:
CITY: Poughkeepsie	CITY:
STATE: NY	STATE:
ZIP: 12601	ZIP:
PHONE: 845-454-2594	PHONE:
FAX: 2655	FAX:
ATTN: Brian Goodwin	ATTN:
PROJECT NAME/SITE NAME: Circle M - Fishkill	LAB PROJECT #: 07-1413
COMMENTS: Please return cooler	CLIENT PROJECT #: CF030290
	TURNAROUND TIME (WORKING DAYS):
	QUOTE #:
	STD: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5
	OTHER: <input type="checkbox"/> 5

PROJECT NAME/SITE NAME	DATE	TIME	COMPOSITE	GRAAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINER NUMBERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
	14-25-07	15:00		X	MW-7R F	GW	1 X		5144
	24-25-07	15:44		X	MW-5 UF	GW	1 X		5145
	34-25-07	15:48		X	MW-5 F	GW	1 X		5146
	44-26-07	10:12		X	MW-6 UF	GW	1 X		5147
	54-26-07	10:16		X	MW-6 F	GW	1 X		5148
	64-26-07	11:09		X	MW-4 UF	GW	1 X		5149
	74-26-07	11:12		X	MW-4 F	GW	1 X		5150
	8								
	9								
	10								

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature: 8°C iced	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>

Comments: _____

Comments: _____

Comments: _____

Comments: _____

Sampled By: **Brian P. Goodwin** Date/Time: **4-26-07/11:30**

Relinquished By: **Brian P. Goodwin** Date/Time: **4-26-07/17:00**

Received By: **Elizabeth A. Honch** Date/Time: **4/27/07 1635**

Received @ Lab By: _____

Total Cost: _____

P.I.F. _____



Client: Conrad Geoscience
 Client Job Site: Circle M
 Fishkill, NY
 Client Job No.: CF030290
 Field Location: MW-8 UF
 Field ID No.: N/A

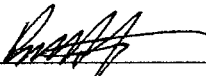
Lab Project No.: 07-1797
 Lab Sample No.: 6370
 Sample Type: Water
 Date Sampled: 05/23/2007
 Date Received: 05/24/2007

Laboratory Report for Metals Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	05/31/2007	EPA 6010	0.007
Chromium	05/31/2007	EPA 6010	<0.010
Copper	05/31/2007	EPA 6010	<0.010

ELAP ID No.: 10958

Comments:

Approved By: 
 Bruce Hoogesteger, Technical Director

Client: Conrad Geoscience

Lab Project No.: 07-1797

Lab Sample No.: 6371

 Client Job Site: Circle M
 Fishkill, NY

Sample Type: Water

Client Job No.: CF030290

Date Sampled: 05/23/2007

Date Received: 05/24/2007

Field Location: MW-8 F

Field ID No.: N/A

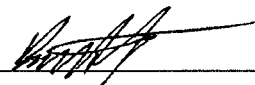
Laboratory Report for Metals Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/L)
Arsenic	05/31/2007	EPA 6010	<0.005
Chromium	05/31/2007	EPA 6010	<0.010
Copper	05/31/2007	EPA 6010	<0.010

ELAP ID No.: 10958

Comments:

Approved By:


 Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO: INVOICE TO:

COMPANY: Conrad Geoscience COMPANY: same
 ADDRESS: 1 Civic Center Plaza, Suite 501 ADDRESS:
 CITY: Poughkeepsie CITY: STATE: STATE:
 PHONE: 845-454-2594 PHONE: FAX: FAX:
 ATTN: Brian Goodwin ATTN:
 COMMENTS: Please return cooler

LAB PROJECT #: 07-1797 CLIENT PROJECT #: CF030290
 TURNAROUND TIME: (WORKING DAYS) QUOTE #:

STD 1 2 3 5 OTHER

PROJECT NAME/SITE NAME:
Crane Fishkill, NY

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAINERS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
15-23-07	11:37		X	MW-8 UF	GW	1	Arsenic Chromium Copper		6370
25-23-07	11:43		X	MW-8 F	GW	1			6371
3									
4									
5									
6									
7									
8									
9									
10									

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Preservation:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature: <u>12°C iced</u>	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>

Sampled By: Brian P. Goodwin Date/Time: 5-23-07/12:00
 Relinquished By: Brian P. Goodwin Date/Time: 5-23-07/17:00
 Received By: Elizabeth A. Honch Date/Time: 5/24/07 13:15
 Received @ Lab By:

Total Cost: P.I.F.