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December 20, 2007

Mr. Glenn May, C.P.G.
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203

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DEC 27 2007

NYSDDEC REG 9
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**Subject: Semiannual Monitoring Report, October 2007
Scajaquada Creek Site (#915141B), Buffalo, NY**

Dear Mr. May;

As required by the Operation and Maintenance (O&M) Plan, dated February 8, 2005, this report provides a semiannual summary of operations, maintenance, and field observations made by ENSR Corporation (dba The RETEC Group, Inc. [RETEC]) and National Fuel Gas (NFG) at the Scajaquada Creek site. The period discussed herein is from May 2007 through October 2007.

Constructed Sediment Cap Observations

During the field observations, the creek water was typically of low clarity, though no erosion of the sediment cap was evident. The armored expressway runoff channels were also all intact.

Previous Period's DNAPL Systems Operations

The Southern DNAPL Collection System was turned off on March 2nd because the storage tank was nearing capacity. On July 23rd, the tank was emptied. An estimated 1900 gallons of liquid was transported by Frank's Vacuum Service to the Chemtron Disposal Facility in Avon, Ohio. The waste manifest is included as an attachment to this report. The Southern System was restarted after the tank was emptied and was observed to function properly between July 23rd and October 29th – the date of the most recent system inspection.

Electrical service to the Northern DNAPL Collection System was interrupted between May 12th and May 31st, likely due to a fire in a nearby building. Electrical service was restored to the Northern System on June 1st. The system was restarted and was observed to function properly between June 7th and October 29th.

The volumes of DNAPL recovered this period (15 gallons in the Southern System and 33 gallons in the Northern System) are visual estimates only because the oil/water interface probe readings taken during the site visit were inconclusive. The volumes of DNAPL recovered to date appear to be approximately 1269 gallons by the Southern System and 373 gallons by the Northern System. System monitoring logs are attached.



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Conclusions

The constructed sediment cap appears intact. The DNAPL recovery program continues and both systems appear to be functioning properly.

Please call me at (607) 277-5716 if you have any questions or comments.



Daniel Shearer, P.E.
Site Engineer



Mark Hofferbert, P.E.
Project Engineer

Attachments: South DNAPL System Monitoring Log
North DNAPL System Monitoring Log
Waste Manifest

CC: B. Sadowski, K. Roblee – NYSDEC, Buffalo
C. Dowd – NYSDEC, Albany
P. McCarthy, Esq. – NYSOAG Environmental Crimes Unit
G. Litwin – NYSDOH Bureau of Environmental Exposure Investigation
J. Clark, T. Alexander – NFG
K. Hogan – PLHB&B
J. Finn – RETEC
File: 04870-024-750



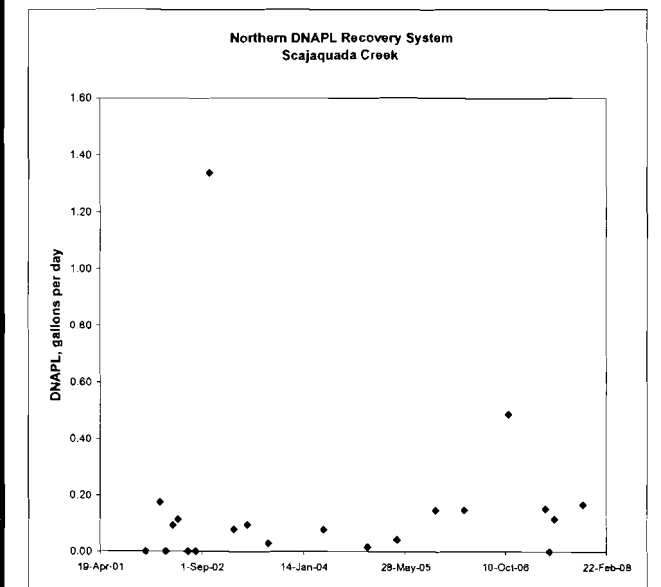
Southern DNAPL Recovery System
Scajaquada Creek

The scatter plot displays the rate of DNAPL release in gallons per day over a period of more than a decade. The data points are as follows:

Date	DNAPL (gallons per day)
24-Jul-98	0.00
06-Dec-98	4.40
13-Dec-98	3.85
20-Dec-98	2.50
27-Dec-98	1.20
03-Jan-99	0.85
10-Jan-99	2.00
17-Jan-99	0.75
24-Jan-99	0.75
31-Jan-99	0.85
07-Feb-99	0.70
14-Feb-99	0.85
21-Feb-99	1.10
28-Feb-99	0.00
06-Mar-99	0.00
13-Mar-99	0.35
20-Mar-99	0.70
27-Mar-99	0.35
03-Apr-99	0.35
10-Apr-99	0.70
17-Apr-99	0.35
24-Apr-99	0.35
01-May-99	0.70
08-May-99	0.15
15-May-99	0.50
22-May-99	0.65
29-May-99	0.25
05-Jun-99	0.30
12-Jun-99	0.65
19-Jun-99	0.00
26-Jun-99	0.00
03-Jul-99	0.00
10-Jul-99	0.00
17-Jul-99	0.00
24-Jul-99	0.00
31-Jul-99	0.00
07-Aug-99	0.00
14-Aug-99	0.00
21-Aug-99	0.00
28-Aug-99	0.00
04-Sep-99	0.00
11-Sep-99	0.00
18-Sep-99	0.00
25-Sep-99	0.00
02-Oct-99	0.00
09-Oct-99	0.00
16-Oct-99	0.00
23-Oct-99	0.00
30-Oct-99	0.00
06-Nov-99	0.00
13-Nov-99	0.00
20-Nov-99	0.00
27-Nov-99	0.00
04-Dec-99	0.00
11-Dec-99	0.00
18-Dec-99	0.00
25-Dec-99	0.00
01-Jan-00	0.00
08-Jan-00	0.00
15-Jan-00	0.00
22-Jan-00	0.00
29-Jan-00	0.00
05-Feb-00	0.00
12-Feb-00	0.00
19-Feb-00	0.00
26-Feb-00	0.00
05-Mar-00	0.00
12-Mar-00	0.00
19-Mar-00	0.00
26-Mar-00	0.00
02-Apr-00	0.00
09-Apr-00	0.00
16-Apr-00	0.00
23-Apr-00	0.00
30-Apr-00	0.00
07-May-00	0.00
14-May-00	0.00
21-May-00	0.00
28-May-00	0.00
04-Jun-00	0.00
11-Jun-00	0.00
18-Jun-00	0.00
25-Jun-00	0.00
02-Jul-00	0.00
09-Jul-00	0.00
16-Jul-00	0.00
23-Jul-00	0.00
30-Jul-00	0.00
06-Aug-00	0.00
13-Aug-00	0.00
20-Aug-00	0.00
27-Aug-00	0.00
03-Sep-00	0.00
10-Sep-00	0.00
17-Sep-00	0.00
24-Sep-00	0.00
01-Oct-00	0.00
08-Oct-00	0.00
15-Oct-00	0.00
22-Oct-00	0.00
29-Oct-00	0.00
05-Nov-00	0.00
12-Nov-00	0.00
19-Nov-00	0.00
26-Nov-00	0.00
03-Dec-00	0.00
10-Dec-00	0.00
17-Dec-00	0.00
24-Dec-00	0.00
31-Dec-00	0.00
07-Jan-01	0.00
14-Jan-01	0.00
21-Jan-01	0.00
28-Jan-01	0.00
04-Feb-01	0.00
11-Feb-01	0.00
18-Feb-01	0.00
25-Feb-01	0.00
03-Mar-01	0.00
10-Mar-01	0.00
17-Mar-01	0.00
24-Mar-01	0.00
31-Mar-01	0.00
07-Apr-01	0.00
14-Apr-01	0.00
21-Apr-01	0.00
28-Apr-01	0.00
05-May-01	0.00
12-May-01	0.00
19-May-01	0.00
26-May-01	0.00
02-Jun-01	0.00
09-Jun-01	0.00
16-Jun-01	0.00
23-Jun-01	0.00
30-Jun-01	0.00
07-Jul-01	0.00
14-Jul-01	0.00
21-Jul-01	0.00
28-Jul-01	0.00
04-Aug-01	0.00
11-Aug-01	0.00
18-Aug-01	0.00
25-Aug-01	0.00
01-Sep-01	0.00
08-Sep-01	0.00
15-Sep-01	0.00
22-Sep-01	0.00
29-Sep-01	0.00
06-Oct-01	0.00
13-Oct-01	0.00
20-Oct-01	0.00
27-Oct-01	0.00
03-Nov-01	0.00
10-Nov-01	0.00
17-Nov-01	0.00
24-Nov-01	0.0

NORTHERN SYSTEM

Date	Initials	Field Measurements (by OWI probe)				Calculations (total tank contents) *				Calculations (this period recovery)					Operator's Notes	Transporter	Disposal Facility
		Manhole rim to top of LNAPL (ft)	Manhole rim to top of Water (ft) (estimated)	Manhole rim to top of DNAPL (ft)	Manhole rim to bottom of Tank (ft)	LNAPL (gal)	Water (gal)	DNAPL (gal)	Total (gal)	Water increase (gal)	NAPL increase (gal)	% NAPL	NAPL (gpd)	Total Flow (gpd)			
28-Nov-01	mrh/cd	8.89	8.89	8.89	8.89	0	0	0	0	0	0	0%	0.00	0.0	Develop well with hand operated diaphragm pump. Measurements are approximate.	---	---
7-Feb-02	hs/jc	8.62	8.62	8.85	8.89	0	71	12	83	71	12	15%	0.17	1.2	Pump well by hand.	---	---
8-Mar-02	hs/jc	8.61	8.61	8.85	8.89	0	74	12	86	3	0	0%	0.00	0.1	Pump well by hand.	---	---
10-Apr-02	mrh	8.59	8.59	8.84	8.89	0	77	15	93	3	3	50%	0.09	0.2	Pump well by hand.	---	---
7-May-02	hs/jc	8.51	8.51	8.83	8.89	0	99	19	117	22	3	12%	0.11	0.9	Hand pump not working well.	---	---
25-Jun-02	cd	8.51	8.51	8.83	8.89	0	99	19	117	0	0	0%	0.00	0.0	Hand pump not working. Discarded.	---	---
2-Aug-02	mrh/jc	8.51	8.51	8.83	8.89	0	99	19	117	0	0	0%	0.00	0.0	Begin peristaltic startup. Setting #6.5, 2hr 15 min per day	---	---
8-Oct-02	mrh/jc	7.43	7.44	8.55	8.89	3	343	105	451	244	90	27%	1.34	5.0	Additional system checks/adjustments made by J Clark on 8/15, 8/21, 8/27, 9/09, and 9/12.	---	---
4-Feb-03	mrh/jc	7.36	7.37	8.52	8.89	3	355	114	472	12	9	43%	0.08	0.2	Numbers approximate. Surface of contents frozen. Turn on heat.	---	---
10-Apr-03	mrh/jc	7.28	7.29	8.50	8.89	3	374	120	497	19	6	25%	0.10	0.4	Pumping mostly water, changed timer to 30 min/week.	---	---
23-Jul-03	mrh	7.05	7.06	8.49	8.89	3	442	124	568	68	3	4%	0.03	0.7	Additional system checks/adjustments made by J Clark on 5/5, 5/20, 6/12, and 6/24.	---	---
23-Apr-04	mrh	6.90	6.91	8.42	8.89	3	466	145	614	25	22	47%	0.08	0.2	Additional system checks/adjustments made by NFG on 8/01, 8/06, 9/05, 9/08, 9/11, 9/17, 9/25, 10/30, 11/18.	---	---
24-Nov-04	jl, jc	6.66	6.67	8.41	8.89	3	537	148	689	71	3	4%	0.01	0.3	OWI interface probe not working accurately, depth of DNAPL is estimated.	---	---
19-Apr-05	mh,jc,jl,sh	6.45	6.46	8.39	8.89	3	596	154	753	59	6	10%	0.04	0.4	Additional system checks/adjustments made by J Clark on 11/24, 1/20/2005, 3/7, 3/11, 4/12, 4/18.	---	---
26-Oct-05	mrh, jc	6.33	6.34	8.30	8.89	3	605	182	790	9	28	75%	0.15	0.2	New OWI probe, but readings inconsistent with previous readings. System checks by NFG 5/11, 6/24, 7/28, 8/25, 10/06.	---	---
22-Mar-06	mrh, jc	6.20	6.21	8.23	8.89	3	624	204	831	19	22	54%	0.15	0.3	Additional system checks by NFG 10/26/05, 12/14/05, 1/6/06, 2/24/06.	---	---
24-Oct-06	mrh, jc	5.20	5.21	7.89	8.89	3	828	309	1139	204	105	34%	0.49	1.4	Depth to NAPL reading is approximate. Additional system checks by NFG 5/11, 6/29, 7/26, 9/07.	---	---
25-Apr-07	mrh, jc	4.90	4.91	7.80	8.89	3	892	337	1232	65	28	30%	0.15	0.5	Depth to NAPL reading is approximate. Additional system checks by NFG 10/31/2006, 11/16/2006, 3/02/2007.	---	---
14-May-07	jc	4.90	4.91	7.80	8.89	3	892	337	1232	0	0	0%	0.00	0.0	System off due to power failure on 5/12/2007. Power was still off during system checks 5/18/2007, 5/29/2007, and 5/31/2007	---	---
7-Jun-07	jc	4.88	4.89	7.79	8.89	3	895	340	1238	3	3	44%	0.11	0.3	Electrical Power restored to North System on 6/01/2007. System check conducted on 6/07/2007.	---	---
29-Oct-07	dms, jc	4.68	4.69	7.70	8.89	3	929	367	1300	37	31	45%	0.17	0.4	Depth to NAPL reading is approximate. Additional system check conducted on 8/02/2007.	---	---



Dec 10, 2007 6:00PM NFG MSW 11

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 11 7 0 0 2 6 0 0 7 6 8		2. Page 1 of 4		3. Emergency Response Phone 800-442-8346		4. Manifest Tracking Number 000279061 GBF	
5. Generator's Name and Mailing Address 305 Mineral Springs Rd, Bldg 5 Buffalo NY 14212				Generator's Site Address (if different than mailing address) 100 A Forest Avenue Buffalo NY 14213					
Generator's Phone: 716 827 3567									
6. Transporter 1 Company Name Pryor's Medium Truck Service, Inc				U.S. EPA ID Number NY 17 0 0 2 7 0 2 0 1 1					
7. Transporter 2 Company Name				U.S. EPA ID Number					
8. Designated Facility Name and Site Address Champion Corporation 35800 Schneider Court Avon OH 44011				U.S. EPA ID Number OH 00 8 8 0 0 0 0 0 0					
Facility's Phone: (440) 437-5000									
9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes	
				No.	Type				
	1. HAZARDOUS HAZARDOUS waste, liquid, n.o.s. (DOT 8, 0001; 9, POH) NA 5002 170070724427			001	TT	EST. 1900	0	DOT 8	0001
	2.								
	3.								
4.									
14. Special Handling Instructions and Additional Information REFUSE TO ACCEPT UNIDENTIFIED									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name James Clark				Signature James Clark		Month 7		Day 23	
						Year 07			
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name William Walsh				Signature William Walsh		Month 07		Day 23	
						Year 07			
Transporter 2 Printed/Typed Name				Signature		Month		Day	
						Year			
18. Discrepancy									
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection									
Manifest Reference Number:									
18b. Alternate Facility (for Generator)				U.S. EPA ID Number					
Facility's Phone:									
18c. Signature of Alternate Facility (or Generator)				Signature		Month		Day	
						Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1.		2.		3.		4.			
HMI									
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Marilyn McManis				Signature Marilyn McManis		Month 07		Day 24	
						Year 07			