

9 August 2007

Mr. Michael J. Hinton, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Division of Environmental Remediation - Region 9
270 Michigan Avenue
Buffalo, New York 14203

RE: Monthly Progress Report - July 2007
Greif, Inc. Facility - Tonawanda, New York
NYSDEC VCP Number V00334-9



***Key Actions
This Period:***

- Collected and recorded dense, non-aqueous phase liquid (DNAPL) and ground water levels in recovery wells, selected nearby monitoring wells, and vapor monitoring points in the Varnish Pit Area as part of the New York State Department of Environmental Conservation (NYSDEC)-approved Interim Remedial Measure (IRM). These data are summarized in Table 1.
- Continued operation and maintenance (O&M) of the DNAPL recovery system and its associated vapor condensation off-gas treatment system. Approximately 205 gallons of DNAPL and 1,204 gallons of aqueous liquid have been recovered as condensate from extracted vapors through 115 days of operation of the low vacuum enhancements. Vapor condensate recovery is summarized in Figure 1 and Table 2.
- As of 24 July 2007, a total of 1,010 gallons (11,807 pounds) of DNAPL and 5,463 gallon of aqueous phase liquid have been recovered from DNAPL IRM activities, including pumping and low vacuum enhanced recovery operations. A graph summarizing DNAPL recovered during this IRM is presented in Figure 2.
- Collected and recorded light, non-aqueous phase liquid (LNAPL) and ground water level measurements from monitoring well MW-23. These

data are summarized in Table 3.

- Gutters were installed on the treatment building to control storm water flow around the structure.
- A concrete pad was poured along the south side of the off-gas treatment building in preparation for the installation of the chiller unit for the off gas treatment building. (see explanation in the section entitled “Problems and Resolutions”).
- Installed a chiller unit on the concrete pad along the south side of the treatment building.

***Problems/
Resolutions:***

- Measurements of fluids stored inside the temporary waste holding tank located adjacent to the varnish pit between 4 June and 10 July 2007 indicated that all the liquid within the storage container in June was DNAPL. However, liquids recovered by the DNAPL recovery system have historically consisted of a mix of aqueous ground water and DNAPL. ERM checked the measurement through visual inspection of recovered fluids during the quarterly ground water sampling event scheduled for 10 July 2007. A clear Teflon bailer was utilized to inspect the contents of the temporary waste container near the varnish pit which revealed that both aqueous fluid and DNAPL were recovered during the referenced time frame. ERM incorporated the corrected recovery volumes into this Monthly Progress Report. The total volume of DNAPL recovered between 4 June and 10 July 2007 was distributed over the 26 day time frame on Table 1 and Figure 2 to more accurately reflect DNAPL recovery over time relative to the previous measurements.
- Elevated temperatures in excess of 115 degrees Fahrenheit have recently been encountered inside the treatment building, even with the exhaust fan system running at full capacity. A air chiller and conditioning unit was installed between 30-31 July 2007. The chiller unit will facilitate lower temperatures inside the treatment building for health and safety purposes and to maintain efficient operation of vapor condensation equipment.

Analytical Data Received:

- Laboratory analytical reports dated 18 and 26 July 2007 from Severn Trent Laboratory (STL) in Burlington, Vermont, and STL in Amherst, New York, containing data from the vapor samples from the off gas treatment system and the July 2007 quarterly ground water sampling event, respectfully. These data are summarized in Tables 4 and Table 5.

Documents Submitted:

- Monthly Progress Report for June 2007 dated 9 July 2007.
- January 2007 Quarterly Ground Water Sampling Report dated 18 July 2007.

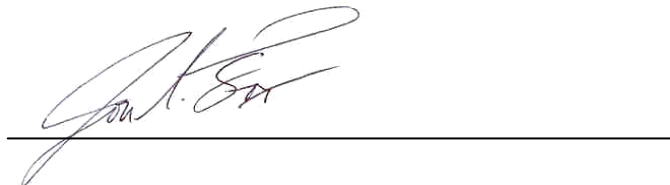
Anticipated Actions - August 2007:

- Continuation of DNAPL recovery system O&M and associated waste handling and management operations.
- Measurement of LNAPL and ground water level measurements in monitoring well MW-23 on a monthly basis.
- Discussions with NYSDEC regarding regulatory review of the FFS Report.
- Complete and submit Quarterly Ground Water Sampling Reports for the April 2007 and July 2007 quarterly ground water monitoring events.
- Prepare and submit a Vapor Intrusion Investigation Work Plan for NYSDEC and NYSDOH review.
- Submit results of background fluorescence analyses and fluorescent dye tracing studies of ground water.

NYSDEC- Approved Field Decisions:

None.

Prepared By:



Jon S. Fox, P.G.
Senior Consultant

Date: 10 August 2007

Greif Facility - Tonawanda, New York

Monthly Progress Report - July 2007

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Figures

Figure 1
Summary of Condensate Recovery Soil Vapor Treatment
Varnish Pit Area DNAPL Recovery IRM

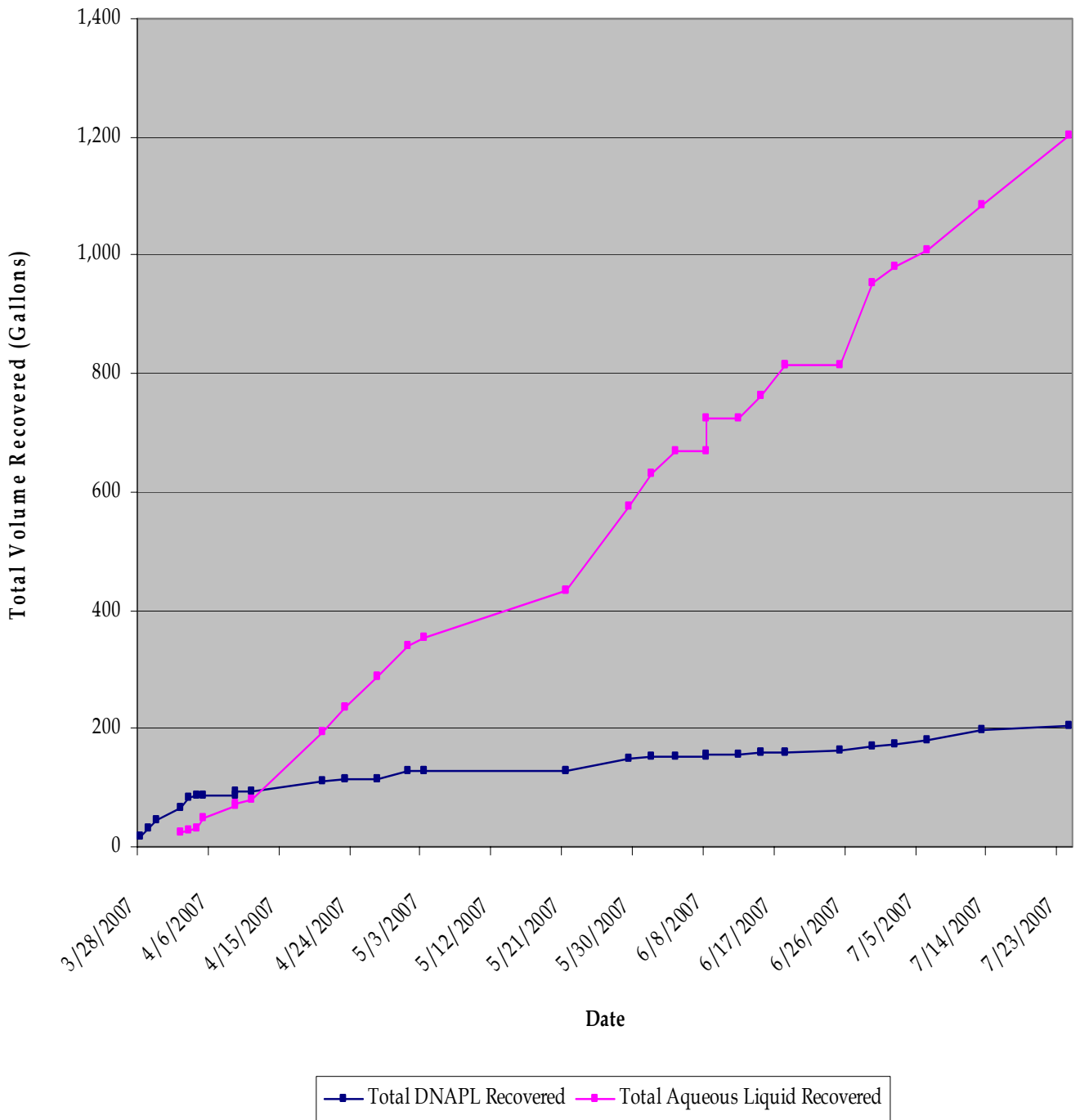
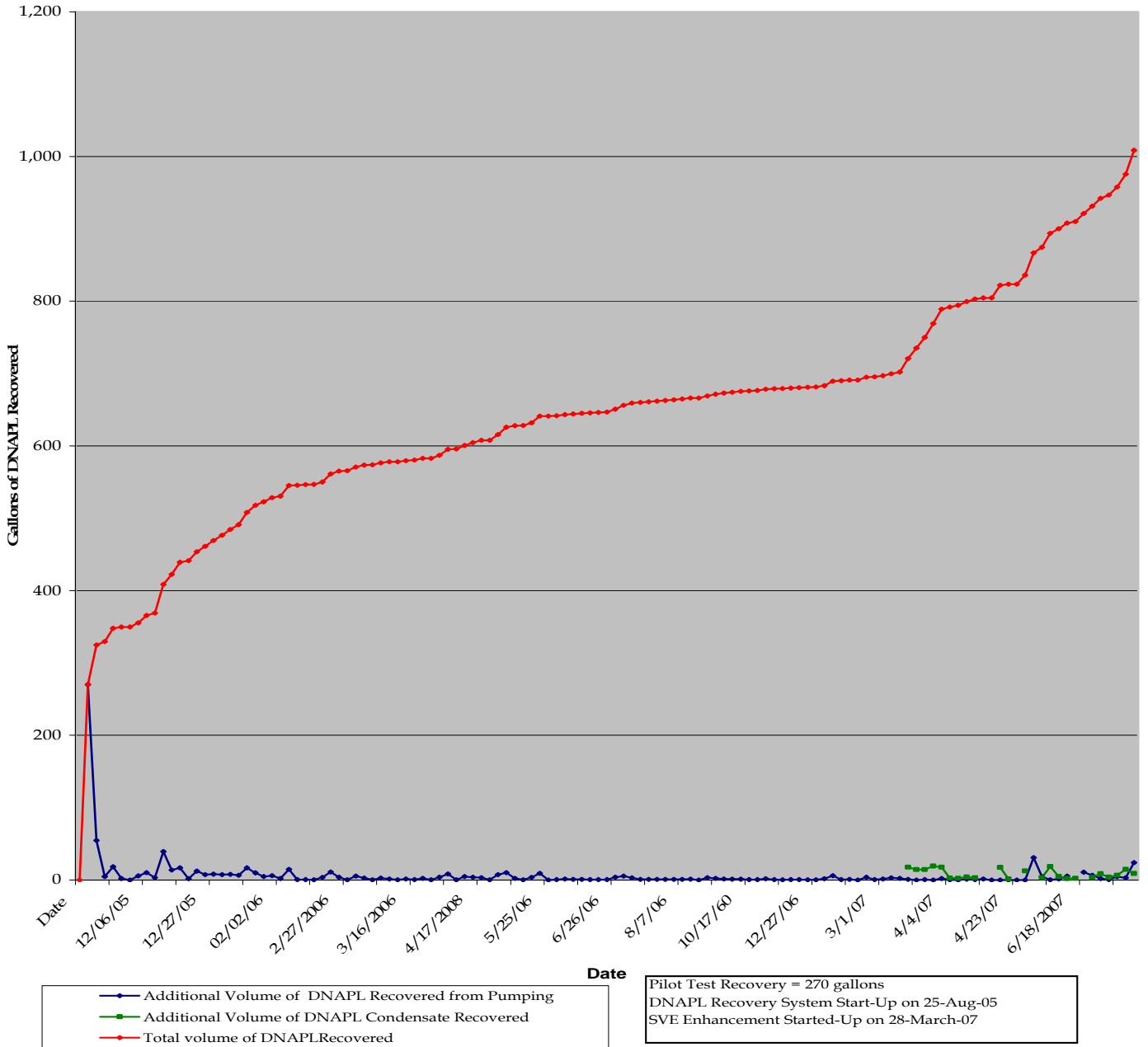


Figure 2
Summary of DNAPL Recovery
Varnish Pit Area DNAPL Recovery IRM



Tables

TABLE 1
SUMMARY OF DNAPL RECOVERY DATA
VARNISH PIT AREA DNAPL RECOVERY IRM
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Date	Volume Recovered (gallons)		RW-1 Thickness (feet)		RW-2 Thickness (feet)		RW-4 Thickness (feet)	
	DNAPL	Water	DNAPL	Water	DNAPL	Water	DNAPL	Water
Pilot Test	270.0	0.0	5.62	3.56	0.88	3.90	NI	NI
12-Sept-05	54.9	1.9	1.79	7.75	1.56	7.94	1.47	7.42
1-Nov-05	4.8	296.2	2.57	6.66	3.39	5.81	2.17	6.32
11-Nov-05	3.6	38.8	1.77	6.17	3.42	5.68	1.30	7.18
14-Nov-05	0.6	97.2	1.74	6.49	3.14	5.68	1.28	7.11
15-Nov-05	14.1	49.0	1.73	5.79	2.27	6.53	1.30	7.00
16-Nov-05	0.0	120.3	1.86	4.64	2.32	6.29	1.28	6.89
17-Nov-05	2.0	77.6	1.75	5.54	2.27	6.02	1.28	6.77
18-Nov-05	0.0	52.9	1.79	6.88	2.37	6.33	1.28	6.81
21-Nov-05	0.0	338.8	1.98	1.07	2.67	5.27	1.32	6.29
22-Nov-05	0.0	50.3	2.04	2.63	2.69	5.40	1.31	6.29
23-Nov-05	0.0	74.0	2.06	6.08	2.72	5.51	1.33	6.28
28-Nov-05	5.6	362.4	2.13	5.63	2.78	4.86	1.56	5.54
1-Dec-05	0.0	8.7	2.11	5.77	2.80	5.05	1.76	5.44
2-Dec-05	0.0	52.0	2.08	5.39	2.69	4.58	1.59	5.45
6-Dec-05	10.4	163.2	2.24	3.06	2.76	4.69	1.58	5.04
7-Dec-05	3.4	48.0	2.02	0.02	2.77	4.66	1.63	4.96
8-Dec-05	1.8	48.5	2.02	0.16	2.62	0.42	1.58	4.90
9-Dec-05	7.4	24.6	1.99	0.18	2.60	0.26	1.58	4.81
12-Dec-05	30.3	72.8	2.01	0.15	2.81	4.34	1.56	2.74
13-Dec-05	6.3	14.6	2.03	0.02	3.62	0.94	2.96	3.08
14-Dec-05	7.6	0.6	2.00	0.08	2.68	1.15	3.04	3.14
15-Dec-05	17.0	29.8	2.03	0.01	2.63	1.18	1.61	0.25
19-Dec-05	1.9	5.7	2.00	0.07	2.81	4.17	2.63	3.55
21-Dec-05	12.3	38.7	2.00	0.10	2.66	1.68	1.78	1.04
22-Dec-05	7.6	6.5	1.99	0.07	2.66	2.95	1.41	0.22
27-Dec-05	8.0	18.5	2.03	0.03	2.49	0.17	2.20	3.95
28-Dec-05	7.4	18.6	2.00	0.10	2.56	0.05	1.37	0.03
29-Dec-05	5.3	2.9	2.00	0.10	2.57	0.05	1.37	0.03
3-Jan-06	2.6	38.7	2.01	0.02	2.49	0.03	1.38	0.10
6-Jan-06	6.6	10.2	1.97	0.08	2.46	0.05	1.37	0.11
10-Jan-06	16.8	2.5	1.96	1.04	2.48	0.11	1.47	0.02
12-Jan-06	10.0	0.0	2.00	0.08	2.52	0.07	1.37	0.03
19-Jan-06	4.7	34.8	1.97	0.05	2.48	0.13	1.37	0.02
23-Jan-06	6.0	14.3	1.98	0.11	2.47	0.12	1.37	0.03
26-Jan-06	6.5	11.3	1.96	0.07	2.49	0.12	1.37	0.05
30-Jan-06	4.3	14.8	1.93	0.15	2.49	0.09	1.49	0.33
2-Feb-06	3.2	0.1	1.96	0.07	2.49	0.14	1.36	0.06
3-Feb-06	0.5	5.6	1.96	0.07	2.49	0.13	1.35	0.07
6-Feb-06	0.5	24.0	1.95	0.25	2.47	0.13	1.58	1.74

TABLE 1 (continued...)
SUMMARY OF DNAPL RECOVERY DATA
VARNISH PIT AREA DNAPL RECOVERY IRM
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Date	Volume Recovered (gallons)		RW-1 Thickness (feet)		RW-2 Thickness (feet)		RW-4 Thickness (feet)	
	DNAPL	Water	DNAPL	Water	DNAPL	Water	DNAPL	Water
9-Feb-06	3.5	18.9	1.94	0.07	2.47	0.12	1.34	0.06
13-Feb-06	7.2	9.8	1.95	0.08	2.53	0.08	1.36	0.04
16-Feb-06	3.9	8.6	1.96	0.07	2.50	0.42	1.35	0.07
20-Feb-06	4.0	12.8	1.92	0.11	2.49	1.62	1.34	0.14
27-Feb-06	5.3	13.2	1.93	0.10	2.51	4.41	1.35	0.05
3-Mar-06	2.6	32.0	1.93	0.17	2.42	0.16	1.35	0.03
7-Mar-06	2.6	21.6	1.94	0.09	2.42	0.08	1.35	0.10
10-Mar-06	0.0	5.8	1.94	0.01	2.43	0.05	1.36	0.11
13-Mar-06	1.4	12.2	1.93	0.17	2.38	0.18	1.35	0.04
16-Mar-06	0.7	12.3	1.94	0.08	2.39	0.19	1.35	0.05
20-Mar-06	2.4	11.7	1.48	0.06	2.02	0.20	1.05	2.33
23-Mar-06	4.0	16.2	1.46	0.14	1.99	0.17	0.82	0.03
30-Mar-06	4.9	15.7	1.46	0.07	1.96	0.23	0.80	0.07
3-April-06	3.5	31.3	1.46	0.12	1.96	0.18	0.80	0.04
7-Apr-06	4.8	15.5	1.46	0.07	1.96	0.20	0.81	0.04
11-Apr-06	4.0	6.9	1.46	0.13	1.96	0.20	0.80	0.04
13-Apr-06	2.2	7.9	1.47	0.12	1.96	0.18	0.80	0.02
17-Apr-06	1.1	21.4	1.45	0.08	1.96	0.23	0.80	0.08
21-Apr-06	3.2	13.7	1.44	0.14	1.96	0.16	0.80	0.02
28-Apr-06	4.3	21.9	1.46	0.07	2.01	0.07	0.80	0.10
09-May-06	10.2	32.8	1.46	0.04	1.99	0.19	0.80	0.05
11-May-06	2.4	9.4	1.46	0.13	2.04	0.12	0.80	0.05
16-May-06	3.7	13.1	1.44	0.10	2.00	0.20	0.80	0.08
19-May-06	2.6	11.2	1.46	0.07	2.01	0.19	0.80	0.08
23-May-06	2.6	13.1	1.45	0.13	1.97	0.15	0.80	0.05
25-May-06	4.0	4.4	NM	NM	NM	NM	NM	NM
1-June-06	0.5	19.5	1.46	0.09	2.04	0.04	0.80	0.03
6-June-06	1.4	1.8	1.46	0.08	2.06	0.10	0.79	0.03
8-June-06	1.0	16.8	1.46	0.09	2.05	0.10	0.78	0.07
12-June-06	1.0	13.0	1.45	0.10	2.00	0.19	0.80	0.05
15-June-06	0.6	12.6	1.43	0.10	2.10	0.08	0.79	0.05
19-June-06	0.6	12.4	1.43	0.15	2.06	0.12	0.80	0.02
23-June-06	0.6	11.0	1.46	0.07	0.96	0.12	0.80	0.04
26-June-06	3.9	5.4	0.10	0.03	1.96	1.6	0.31	1.23
30-June-06	5.9	16.0	0.00	0.08	0.36	2.3	0.00	0.00
3-Jul-06	2.9	9.6	0.06	0.10	0.24	1.74	0.28	1.38
17-Jul-06	1.0	8.5	0.06	2.18	0.30	6.64	0.55	5.55
25-Jul-06	1.0	18.6	0.06	1.68	0.34	6.64	0.58	5.52
27-Jul-06	1.0	28.8	0.00	0.08	0.36	6.62	0.58	0.00
31-Jul-06	1.0	40.4	0.00	0.08	0.23	3.63	0.65	2.63
3-Aug-06	1.0	20.2	NM	NM	NM	NM	NM	NM
7-Aug-06	1.0	19.1	0.00	0.10	0.23	0.52	0.00	0.20
11-Aug-06	1.1	12.4	0.00	0.16	0.24	1.50	0.00	0.09
14-Aug-06	0.0	5.0	0.00	0.30	0.25	3.72	0.00	0.12
25-Aug-06	3.2	32.2	NM	NM	NM	NM	NM	NM

TABLE 1 (continued...)
SUMMARY OF DNAPL RECOVERY DATA
VARNISH PIT AREA DNAPL RECOVERY IRM
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Date	Volume Recovered (gallons)		RW-1 Thickness (feet)		RW-2 Thickness (feet)		RW-4 Thickness (feet)	
	DNAPL	Water	DNAPL	Water	DNAPL	Water	DNAPL	Water
6-Sept-06	2.4	71.4	0.00	4.29	0.31	0.37	0.03	0.15
15-Sept-06	1.4	29.1	0.00	5.50	0.35	0.30	0.00	0.31
22-Sept-06	1.2	12.9	0.00	6.32	0.34	0.31	0.00	0.26
28-Sept-06	1.2	38.8	0.00	0.07	0.35	0.35	0.00	2.01
4-Oct-06	0.0	21.6	0.06	0.01	0.32	0.31	0.28	3.90
10-Oct-06	0.0	24.6	0.05	0.04	0.34	0.16	0.00	0.19
17-Oct-06	0.6	26.3	0.07	0.09	0.35	0.22	0.00	0.08
24-Oct-06	0.6	25.6	0.00	0.14	0.38	0.22	0.00	1.98
2-Nov-06	1.7	28.5	0.00	0.78	0.37	2.49	0.00	1.45
7-Nov-06	0.6	18.9	0.08	0.89	0.10	3.80	0.00	0.19
17-Nov-06	0.4	38.9	0.08	2.38	0.00	0.25	0.00	0.10
20-Nov-06	0.7	18.9	NM	NM	NM	NM	NM	NM
28-Nov-06	0.6	26.0	0.00	0.08	0.00	0.88	0.00	0.18
15-Dec-06	0.4	25.9	NM	NM	NM	NM	NM	NM
27-Dec-06	0.4	12.5	0.00	2.59	0.00	6.98	0.00	6.11
9-Jan-07	1.9	111.8	0.00	0.40	0.00	0.14	0.00	0.14
19-Jan-07	6.0	45.9	0.07	0.00	0.00	0.32	0.00	0.09
23-Jan-07	0.6	2.52	0.07	0.03	0.00	0.10	0.09	0.05
31-Jan-07	1.0	30.7	0.00	0.10	0.00	4.04	0.00	0.87
6-Feb-07	0.0	12.48	NM	NM	NM	NM	NM	NM
16-Feb-07	3.8	42.76	0.00	0.08	0.00	4.66	0.00	0.28
23-Feb-07	0.6	7.60	0.00	1.72	0.00	4.33	0.00	0.94
1-Mar-07	1.5	37.7	0.00	0.19	0.00	1.87	0.00	0.54
8-Mar-07	2.9	62.1	NM	NM	NM	NM	NM	NM
16-Mar-07	2.4	40.6	NM	NM	NM	NM	NM	NM
28-Mar-07	1.0	27.7	0.00	0.10	0.00	0.58	0.00	0.48
29-Mar-07	0.0	29.6	NM	NM	NM	NM	NM	NM
30-Mar-07	0.6	18.0	NM	NM	NM	NM	NM	NM
2-Apr-07	0.0	0.00	NM	NM	NM	NM	NM	NM
3-Apr-07	2.2	35.9	NM	NM	NM	NM	NM	NM
4-Apr-07	0.2	11.3	NM	NM	NM	NM	NM	NM
5-Apr-07	0.0	8.4	NM	NM	NM	NM	NM	NM
9-Apr-07	1.2	27.6	NM	NM	NM	NM	NM	NM
11-Apr-07	0.6	10.1	NM	NM	NM	NM	NM	NM
17-Apr-07	1.5	24.5	NM	NM	NM	NM	NM	NM
18-Apr-07	0.0	16.8	0.00	0.09	0.00	0.15	0.00	0.00
9-May-07	30.8	62.6	NM	NM	NM	NM	NM	NM
21-May-07	4.7	50.4	NM	NM	NM	NM	NM	NM
23-May-07	0.4	4.7	NM	NM	NM	NM	NM	NM
1-Jun-07	1.4	26.9	0.00	0.08	0.00	0.60	0.20	0.00
4-Jun-07	5.36	5.68	NM	NM	NM	NM	NM	NM

TABLE 1 (continued...)
SUMMARY OF DNAPL RECOVERY DATA
VARNISH PIT AREA DNAPL RECOVERY IRM
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

NOTES:

Date	Volume Recovered (gallons)		RW-1 Thickness (feet)		RW-2 Thickness (feet)		RW-4 Thickness (feet)	
	DNAPL	Water	DNAPL	Water	DNAPL	Water	DNAPL	Water
14-Jun-07	NM	NM	0.00	0.12	0.28	0.08	0.00	0.88
18-Jun-07	10.16	41.04	NM	NM	NM	NM	NM	NM
25-Jun-07	6.72	13.36	NM	NM	NM	NM	NM	NM
29-Jun-07	2.12	1.00	NM	NM	NM	NM	NM	NM
10-Jul-07	8.28	50.48	0.00	0.07	0.17	0.51	0.00	0.09
24-Jul-07	24.08	13.56	0.00	0.13	0.18	6.80	0.00	0.05
TOTALS	804.18	4,259.32						

- Pilot test data reported at the end of the pilot test on 16 November 2004.
- Low vacuum enhancement was initiated on 28 March 2007. DNAPL and water recovery volumes reflect total volume of liquid and condensate recovered since the previous reading.
- NI = well not installed yet.
- NM = not measured on this date.
- Volume readings represent the volume recovered since the previous reading.

TABLE 2
SUMMARY OF CONDENSATE RECOVERY
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Date	Additional Volume of DNAPL Recovered (gallons)	Additional Volume of Aqueous Recovered (gallons)
28-Mar-07	17.65	NM
29-Mar-07	14.35	NM
30-Mar-07	14.30	NM
2-Apr-07	19.10	25.0
3-Apr-07	17.76	1.5
4-Apr-07	2.62	3.5
5-Apr-07	2.32	19.0
11-Apr-07	4.12	21.0
17-Apr-07	2.88	10.5
20-Apr-07	17.31	114.5
23-Apr-07	1.56	40.0
27-Apr-07	0.00	53.0
1-May-07	12.61	52.0
3-May-07	0.00	15.0
21-May-07	3.12	77.00
29-May-07	18.72	143.0
1-Jun-07	4.92	57.00
8-Jun-07	2.24	92.00
15-Jun-07	2.94	40.00
18-Jun-07	NM	50.00
25-Jun-07	3.50	NM
29-Jun-07	8.72	140.00
2-Jul-07	3.90	25.0
6-Jul-07	6.54	30.0
13-Jul-07	14.84	75.0
24-Jul-07	8.96	120.0
TOTAL	204.98	1,204.0

TABLE 3
SUMMARY OF LNAPL RECOVERY DATA- WELL MW-23
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Date	Volume of LNAPL Recovered (gallons)	LNAPL Thickness in MW-23 (feet)	Water Thickness in MW-23 (feet)
9-Sept-05	0.00	0.40	3.38
12-Sept-05	0.00	0.41	3.23
20-Sept-05	0.00	0.52	2.98
11-Oct-05	0.00	0.56	2.67
21-Oct-05	0.00	0.57	2.78
26-Oct-05	0.00	0.60	2.78
2-Nov-05	0.00	0.68	2.67
11-Nov-05	0.04	0.27	2.53
15-Nov-05	0.10	0.61	2.10
16-Nov-05	0.04	0.25	1.55
17-Nov-05	0.03	0.18	1.22
18-Nov-05	0.00	0.08	0.97
21-Nov-05	0.02	0.15	1.09
22-Nov-05	0.04	0.27	0.68
23-Nov-05	0.04	0.26	0.49
29-Nov-05	0.04	0.23	0.54
2-Dec-05	0.00	0.20	0.42
6-Dec-05	0.03	0.20	0.51
7-Dec-05	0.00	0.16	0.36
8-Dec-05	0.03	0.16	0.40
9-Dec-05	0.00	0.07	0.35
12-Dec-05	0.00	0.07	0.41
19-Dec-05	0.00	0.17	0.39
22-Dec-05	0.03	0.17	0.54
27-Dec-05	0.00	0.14	0.45
29-Dec-05	0.03	0.17	0.48
3-Jan-06	0.02	0.15	0.37
6-Jan-06	0.00	0.12	0.30
10-Jan-06	0.00	0.08	0.42
12-Jan-06	0.00	0.13	0.35
19-Jan-06	0.02	0.12	0.48
26-Jan-06	0.03	0.18	0.50
30-Jan-06	0.00	0.18	0.57
2-Feb-06	0.03	0.17	0.61
3-Feb-06	0.00	0.17	0.40
6-Feb-06	0.00	0.20	0.40
9-Feb-06	0.00	0.20	0.45
13-Feb-06	0.00	0.20	0.54
16-Feb-06	0.00	0.14	0.66
20-Feb-06	0.00	0.07	0.75
27-Feb-06	0.02	0.15	0.75
3-Mar-06	0.03	0.17	0.48
7-Mar-06	0.03	0.17	0.38

TABLE 3 (continued...)
SUMMARY OF LNAPL RECOVERY DATA- WELL MW-23
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Date	Volume of LNAPL Recovered (gallons)	LNAPL Thickness in MW-23 (feet)	Water Thickness in MW-23 (feet)
10-Mar-06	0.01	0.08	0.38
13-Mar-06	0.04	0.28	0.0
16-Mar-06	0.00	0.27	0.0
23-Mar-06	0.02	0.10	0.39
30-Mar-06	0.02	0.14	0.30
3-Apr-06	0.02	0.10	0.20
7-Apr-06	0.01	0.07	0.23
11-Apr-06	0.01	0.06	0.26
13-Apr-06	0.02	0.11	0.26
18-Apr-06	0.03	0.16	0.16
16-May-06	0.00	0.21	0.25
1-June-06	0.00	0.00	0.42
6-June-06	0.02	0.10	0.66
12-June-06	0.03	0.21	0.46
15-June-06	0.10	0.60	0.08
23-June-06	0.02	0.12	0.46
26-June-06	0.02	0.11	0.35
30-June-06	0.01	0.09	0.33
14-Aug-06	0.01	0.07	1.4
6-Sept -06	0.02	0.11	2.22
28-Sept -06	0.01	0.04	2.86
4-Oct-06	0.02	0.09	1.36
10-Oct-06	0.01	0.09	0.98
20-Nov-06	0.03	0.20	2.40
27-Dec-06	0.04	0.26	2.80
9-Jan-07	0.05	0.28	2.76
12-Jan-07	0.04	0.22	2.78
23-Jan-07	0.03	0.17	1.62
31-Jan-07	0.03	0.16	0.66
12-Feb-07	0.02	0.14	1.63
16-Feb-07	0.02	0.11	0.83
23-Feb-07	0.01	0.04	0.59
1-Mar-07	0.01	0.05	1.06
8-Mar-07	0.01	0.04	1.16
16-Mar-07	0.01	0.05	1.37
30-Mar-07	0.00	0.03	1.11
2-Apr-07	0.01	0.03	1.17
18-Apr-07	0.01	0.03	1.36
9-May-07	0.01	0.07	1.65
14-Jun-07	0.02	0.10	2.36
10-Jul-07	0.01	0.08	1.64
24-Jul-07	0.01	0.09	2.27
TOTAL	1.42		

TABLE 3 (continued...)
SUMMARY OF LNAPL RECOVERY DATA- WELL MW-23
GREIF BROS. FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

NOTES:

- Data refers to light, non-aqueous phase liquid (LNAPL) measured and recovered from monitoring well MW-23 (the only well observed with LNAPL to date).
- LNAPL volumes are estimated based on the measured thickness of LNAPL in the well prior to removal and the cross-sectional volume of the well screen and are thought to be conservatively low (additional LNAPL migration into the well during bailing is not accounted for).
- Volume readings represent the volume recovered since the previous reading.
- LNAPL and ground water thickness data were collected as static level measurements prior to bailing of the well.

TABLE 4
SUMMARY OF UNVALIDATED LABORATORY DATA
RECEIVED IN JULY 2007- GROUND WATER
GREIF FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Sample Designation	Sample Matrix	Sample Date	Compounds Detected	Concentration (ppb)
April 2007 Sampling Event				
Sample Designation	Sample Matrix	Sample Date	Compounds Detected	Concentration (ppb)
April 2007 Sampling Event Greif-MW-12 (07/07)	Ground Water	11-July-07	1,1-Dichloroethane	1,400
			1,1-Dichloroethene	330
			cis-1,2-Dichloroethene	1,600
			trans-1,2-Dichloroethene	35
			Dissolved Organic Carbon (mg/L)	4.2
			Methane	6.6
			Methylene Chloride	26
			Sulfate (mg/L)	301
			1,1,1-Trichloroethane	760
			Trichloroethene	440
			Vinyl chloride	89
Greif-MW-13 (07/07)	Ground Water	11-July-07	1,1-Dichloroethane	11,000
			1,1-Dichloroethene	22,000
			cis-1,2-Dichloroethene	15,000
			Dissolved Organic Carbon (mg/L)	15.6
			Methane	220
			Methylene Chloride	600 J
			Sulfate (mg/L)	212
			trans-1,2-Dichloroethene	420 J
			1,1,1-Trichloroethane	56,000
			Trichloroethene	64,000
Greif-MW-14 (07/07)	Ground Water	11-July-07	1,1-Dichloroethane	2,100
			1,1-Dichloroethene	1,200
			cis-1,2-Dichloroethene	330 J
			Dissolved Organic Carbon (mg/L)	2.7
			Methane	
			Methylene Chloride	360 J
			Sulfate (mg/L)	162
			Trichloroethene	38,000
Greif-MW-18 (07/07)	Ground Water	11-July-07	Chloroethane	6.8
			1,1-Dichloroethane	230
			1,1-Dichloroethene	29
			cis-1,2-Dichloroethene	69
			Dissolved Organic Carbon (mg/L)	3.4
			Methylene Chloride	4.0
			Sulfate (mg/L)	696

TABLE 4 (continued...)
SUMMARY OF UNVALIDATED LABORATORY ANALYTICAL DATA
RECEIVED IN JULY 2007-GROUND WATER
GREIF FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

			1,1,1-Trichloroethane	20
			Trichloroethene	34
			Vinyl chloride	10
Greif-DUP (07/07) (blind duplicate of MW-18 sample)	Ground Water	11-July-07	Chloroethane	5.9
			1,1-Dichloroethane	160
			1,1-Dichloroethene	28
			cis-1,2-Dichloroethene	59
			Dissolved Organic Carbon (mg/L)	3.5
			Ethylbenzene	1.4
			Methylene Chloride	4.0
			1,1,1-Trichloroethane	26
			Sulfate (mg/L)	711
			Trichloroethene	32
			1,2,4- Trimethylbenzene	0.95 J
			Vinyl chloride	8.8
			Total Xylenes	2.0 J
			Greif-MW-21I (07/07)	Ground Water
Methane	2.3			
Sulfate (mg/L)	196			
Greif-MW-21S (07/07)	Ground Water	11-July-07	Dissolved Organic Carbon (mg/L)	2.2
			Sulfate (mg/L)	122
			1,1,1-Trichloroethane	1.3
Greif-MW-22 (07/07)	Ground Water	11-July-07	1,1-Dichloroethane	28
			1,1-Dichloroethene	5.2
			cis-1,2-Dichloroethene	1.4
			Dissolved Organic Carbon (mg/L)	2.4
			Methane	3.2
			Sulfate (mg/L)	695
			1,1,1-Trichloroethane	30
			Trichloroethene	14
Greif-MW-24 (07/07)	Ground Water	11-July-07	Vinyl chloride	0.53 J
			Benzene	68 J
			1,1-Dichloroethane	50 J
			cis-1,2-Dichloroethene	7,800
			trans-1,2-Dichloroethene	56 J
			Dissolved Organic Carbon (mg/L)	9.4
			Methane	700
			Methylene Chloride	54 J
			Sulfate (mg/L)	1,180
			Trichloroethene	8,300
Greif-MW-25 (07/07)	Ground Water	11-July-07	Vinyl chloride	550
			Chloroethane	0.88 J
			1,1-Dichloroethane	6.6

TABLE 4 (continued...)
SUMMARY OF UNVALIDATED LABORATORY ANALYTICAL DATA
RECEIVED IN JULY 2007-GROUND WATER
GREIF FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

	1,1-Dichloroethene	2.2
	cis-1,2-Dichloroethene	74
	trans-1,2-Dichloroethene	4.3
	Dissolved Organic Carbon (mg/L)	3.5
	Methane	96
	Sulfate (mg/L)	3,140
	1,1,1-Trichloroethane	2.6

NOTES:

- Compounds, elements, or other parameters listed are limited to those that were detected.
- ---- = not detected in this sample.
- J = Indicates an estimated value.
- B = Indicates that the analyte was found in the associated blank as well as in the sample.
- D = Indicates that the concentration was identified in an analysis at the secondary dilution factor.
- pH reported in standard units (analyzed in the field using a calibrated electronic pH meter)

TABLE 5
SUMMARY OF UNVALIDATED LABORATORY DATA
RECEIVED IN JULY 2007- AIR
GREIF FACILITY - TONAWANDA, NEW YORK
NYSDEC VCP NUMBER V00334-9

Sample Designation	Sample Matrix	Sample Date	Compounds Detected	Concentration (µg/ M ³)
April 2007 Sampling Event				
Greif-INF (071107)	AIR	11-July-07	2- Butanone	520,000
			1,1-Dichloroethane	61,000
			cis-1,2-Dichloroethene	25,000
			1,1,1-Trichloroethane	4,000,000
			Trichloroethene	3,200,000
Greif-PREC (071107)	AIR	11-July-07	Benzene	2.5
			2- Butanone	13
			1,1-Dichloroethane	4.8
			Methyl Ethyl Ketone	2.2
			1,1,1-Trichloroethane	11
			Trichloroethene	32
Greif-MIDC (071107)	AIR	11-July-07	Toluene	1.9
			Benzene	2.9
			2- Butanone	12
			1,1-Dichloroethane	1.5
			Methyl Ethyl Ketone	2.5
			1,1,1-Trichloroethane	6.5
Greif-EFF (071107)	AIR	11-July-07	Trichloroethene	24
			Toluene	1.7
			Benzene	1.3
			1,1-Dichloroethane	2.1
			Methyl Ethyl Ketone	1.6
			1,1,1-Trichloroethane	20
			Trichloroethene	39
Toluene	1.9			
Xylene (total)	0.96			
Vinyl chloride	0.51			

NOTES:

- J- Indicates an estimated value, the flag is used either when the laboratory estimates a concentration for tentatively identified compounds where a 1:1 response factor is assumed, or when data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantification limit but is greater than zero.