CONESTOGA-ROVERS
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February 14, 2011 Reference No. 012636-T09

Mr. Richard Conforti
Environmental Resource Management Division
Michigan Department of Natural Resources and Environment
525 W. Allegan (Constitution Hall)
Lansing, Michigan
U.S.A. 48933

Dear Mr. Conforti:

Re: Monitoring Well Installation and Groundwater Monitoring
Report and Change of Address Notification
Former Peregrine (US) Inc. (Peregrine) Coldwater Road Facility
Genesee Township, Michigan

1.0 INTRODUCTION

This letter presents the results of the 2010 groundwater sampling even conducted by Conestoga-Rovers & Associates on behalf of Motors Liquidation Company (MLC) at the former Peregrine Coldwater Road Site (Site) located at 1245E Coldwater Road in Genesee Township, near Flint, Michigan. The work was outlined in a work plan submitted to the Michigan Department of Natural Resources and Environment (MDNRE) on September 7, 2010 and clarified in a follow-up email dated October 28, 2010.

This letter includes the following enclosures:

Figure 1	Shallow Groundwater Results
Figure 2	Deep Groundwater Results
Table 1	2010 Monitoring Well Network
Table 2	2010 Groundwater Results Summary
Attachment A	Stratigraphic and Installation Logs
Attachment B	Data Validation Report
Attachment C	Historical Results for the 2010 Monitoring Well Network

2.0 WELL INSTALLATION

Prior to the groundwater monitoring event, two drift aquifer wells (MW-15-10 and MW-16-10) were installed at the south portion of the property between November 22, 2010 and

November 24, 2010. The wells were constructed of 2-inch diameter PVC well casing with 5-foot of 0.010 inch slot well screen, and were double cased with 7-inch steel casing into the clay (approximately 10 to 12 ft below ground surface). Following installation, the wells were developed.

3.0 GROUNDWATER MONITORING

The 2010 groundwater monitoring event was conducted between November 29, 2010 and December 3, 2010. The 2010 monitoring well network details are presented on Table 1. The stratigraphic and installation logs are presented in Attachment A.

Mr. Joseph Rogers of the MDNRE was present during the groundwater sampling on December 2, 2010.

Of the 16 wells proposed in the work plan, a total of 14 wells were sampled via low-flow sampling methods. Variations to the work plan included:

- PFW-4 was not sampled because standing water prevented access to the well.
- MW-1-02 was not sampled because it remained dry after development.
- After pumping MW-16-10 at low flow for over 5 hours, sampling was conducted with a very high turbidity content [greater than 1000 Nephelometric Turbidity Units (NTU)]. Sampling was approved by Mr. Rogers. The groundwater was analyzed for both total and dissolved metals. Mr. Rogers also collected a split sample at this location.
- After pumping MW-15-10 at low flow for over 4 hours, sampling was conducted with a slightly high turbidity content (consistent readings of approximately 58 NTU). The groundwater was analyzed for both total and dissolved metals.

Groundwater samples were analyzed for volatile organic compounds (VOCs), metals, and amenable cyanide. The groundwater results were compared to the following generic risk-based industrial cleanup criteria as specified in Part 201 of Michigan's Natural Resources and Environmental Protection Act, Public Act 451, and outlined in the MDEQ RRD Operational Memorandum No. 1, updated January 23, 2006, pursuant to 1994 PA 451 as amended:

- Groundwater Contact Criteria
- Industrial Drinking Water Criteria
- Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria

The analytical data were not compared to Groundwater Surface Water Interface Criteria since the groundwater surface interface pathway is incomplete.

4.0 RESULTS AND CONCLUSIONS

The 2010 groundwater results are presented on Table 2. VOCs were detected at low concentrations but did not exceed criteria. Six metals (aluminum, arsenic, iron, lead, manganese, and vanadium) were identified at concentrations exceeding Industrial Drinking Water Criteria. There were no exceedances of Groundwater Contact or Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria.

Figures 1 and 2 present summaries of the current and historical exceedances in the shallow and deep wells, respectively.

As reported in the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report (CRA, August 2010), former operations at the Site did not include the above listed metals. Lead (D008) was identified as a former waste stream at one time; however, lead does not exceed Industrial Drinking Water Protection Criteria in the soil (CRA, August 2010).

Constituents exceeding Industrial Drinking Water Criteria in the 2010 groundwater samples are unrelated to Site activities and are likely naturally occurring or background.

The data validation report for the 2010 results is presented in Attachment B. The historical database for the wells sampled during the 2010 event are presented in Attachment C.

5.0 RECOMMENDATIONS

Prior to any additional sampling of MW-15-10 and MW-16-10, the wells should be redeveloped to attempt to reduce turbidity.

Pending receipt of any comments from MDNRE regarding this or other reports submitted to MDNRE, no additional activities are currently planned for this Site.

6.0 CHANGE OF ADDRESS

There has been a change in address for the property owner (MLC) for the Site. The new address for MLC is listed below.

- Motors Liquidation Company
  401 South Old Woodward, Suite 370
  Birmingham, Michigan 48099

Please note that David Favero will remain the Site Technical Contact, for which information is presented below.

- Motors Liquidation Company
  c/o David Favero
  Favero Geosciences
  1210 South 5th Street
  Springfield, Illinois 62703
  Phone: (217) 522-6714

Should you have any questions on the above, please do not hesitate to contact David Favero with MLC or myself.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Michael R. Tomka, P.E.

JG/ev/6
Encl.

cc: David Favero, MLC (PDF)
Amy Powers, Arcadis (PDF)

B-9	6/8/2005	12/7/2005	6/29/2006	6/5/2007	7/2/2008	6/25/2009	12/3/2010
Metals							
Aluminum	-	-	-	-	-	-	0.704 (B)
Iron	-	-	-	-	-	-	1.01 (B)
Iron (dissolved)	0.48 (B)	0.32 (B)	0.39 (B)	0.32 (B)	0.78 (B)	0.059	-
Manganese	-	-	-	-	-	-	0.391 (B)
Manganese (dissolved)	0.701 (B)	0.41 (B)	0.33 (B)	1.9 (B)	0.812 (B)	0.173 (B)	-

PFW-2	12/3/2010
Metals	
Iron	0.701 (B)/0.684 (B)
Manganese	0.963 (B)/0.91 (B)

MW-1	11/14/1996	12/2/2010
Metals		
Aluminum	-	1.85 (B)
Iron	-	3.59 (B)
Lead	U	0.0142 (B)
Manganese	-	0.164 (B)

PFW-9	4/1/1997	6/7/2000	10/17/2002	12/2/2010
Metals				
Aluminum	-	-	-	1.3 J (B)/0.524 J (B)
Iron	-	-	-	7.78 J (B)/2.93 J (B)
Lead	0.009 (B)	-	-	0.003 U/0.003 U
Lead (dissolved)	-	0.003 U	0.003 U	-
Manganese	-	-	-	0.0519 J (B)/0.0208 J

MW-2	11/14/1996	12/3/2010
Metals		
Aluminum	-	0.508 (B)
Arsenic	U	0.0279 (B)
Arsenic (dissolved)	0.005 U	-
Iron	-	24.8 (B)
Manganese	-	2.12 (B)

MW-3-02	12/2/2010
Metals	
Manganese	1.95 (B)

MW-4-02	11/29/2010
Metals	
Aluminum	0.157 J (B)
Iron	1.41 (B)
Lead	0.0063 (B)
Manganese	0.426 (B)

MW-2-02	11/29/2010
Metals	
Manganese	0.576 (B)

MW-13	11/14/1996	6/7/2000
VOAs		
Trichloroethene	0.0084 (B)	0.001 U/0.001 U

PFW-11	4/1/1997	12/2/2010
Metals		
Aluminum	-	1.57 (B)
Iron	-	2.73 (B)
Lead	0.003 U	0.0125 (B)
Manganese	-	0.056 (B)

MW-3	11/14/1996	6/7/2000	10/17/2002
Metals			
Arsenic	0.013 (B)/U	-	-
Lead	0.012 (B)/U	-	-
Lead (dissolved)	-	0.003 U	0.003 U/0.003 U

MW-4	11/14/1996	6/7/2000
VOAs		
Trichloroethene	0.001 U/0.0053 (B)	0.001 U
Metals		
Arsenic	0.016 (B)/U	-
Lead	0.026 (B)/U	-
Lead (dissolved)	-	0.003 U

MW-14	11/14/1996
VOAs	
Trichloroethene	0.006 (B)/0.0213 (B)

DSA_MW-01	7/23/2002
VOAs	
cis-1,2-Dichloroethene	0.65 (B)/0.8 (B)
Trichloroethene	1.42 J (B)/1.83 (B)

PFW-10	3/31/1997	10/17/2002	12/3/2010
Metals			
Barium	2.6 (B)	-	0.0458 J
Barium (dissolved)	-	0.0565	-
Manganese	-	-	0.16 (B)

MW-10	11/13/1996	4/1/1997	6/7/2000
Metals			
Lead	0.014 (B)	0.003 U	-
Lead (dissolved)	0.003 U	-	0.003 U

CSX RAILROAD

POWER HOUSE (BUILDING #45)

BUILDING #63

(BUILDING #44)

COLDWATER ROAD

STREET

HORTON

B-9, B-22D, B-14, B-27D, B-23DR, PFW-2, MW-1, PFW-9, MW-2, PFW-1, MW-1-02, MW-3-02, MW-4-02, MW-2-02, MW-13 (ABANDONED), PFW-4, MW-3 (ABANDONED), PFW-3 (ABANDONED), PFW-11, MW-4 (ABANDONED), PFW-5 (ABANDONED), PFW-6 (EXCAVATED), MW-14 (EXCAVATED), DSA MW-01 (EXCAVATED), MW-6 (ABANDONED), MW-8 (ABANDONED), MW-5 (NO WELL INSTALLED), MW-7 (NO WELL INSTALLED), PFW-8 (ABANDONED), MW-9 (ABANDONED), MW-10 (ABANDONED), MW-11, MW-12, PFW-12 (ABANDONED), PFW-10, MW-16-10, MW-15-10

0 100 300ft

LEGEND

- FACILITY BOUNDARY
- MW-7 ● MONITORING WELL LOCATION
- SAMPLE LOCATION
- SAMPLE DATE
- RESULT (mg/L)
- PARAMETER
- EXCEEDS CRITERIA

MW-4-02	11/29/2010
Metals	
Aluminum	0.157 J (B)
Iron	1.41 (B)
Lead	0.0063 (B)
Manganese	0.426 (B)

Chemical Name	a	b	c
Aluminum	64000	0.05	-
Arsenic	4.3	0.01	-
Arsenic (dissolved)	4.3	0.01	-
Barium	14000	2	-
Barium (dissolved)	14000	2	-
Iron	58000	0.3	-
Iron (dissolved)	58000	0.3	-
Lead	-	0.004	-
Lead (dissolved)	-	0.004	-
Manganese	9100	0.05	-
Manganese (dissolved)	9100	0.05	-
cis-1,2-Dichloroethene	200	0.07	210
Trichloroethene	22	0.005	97

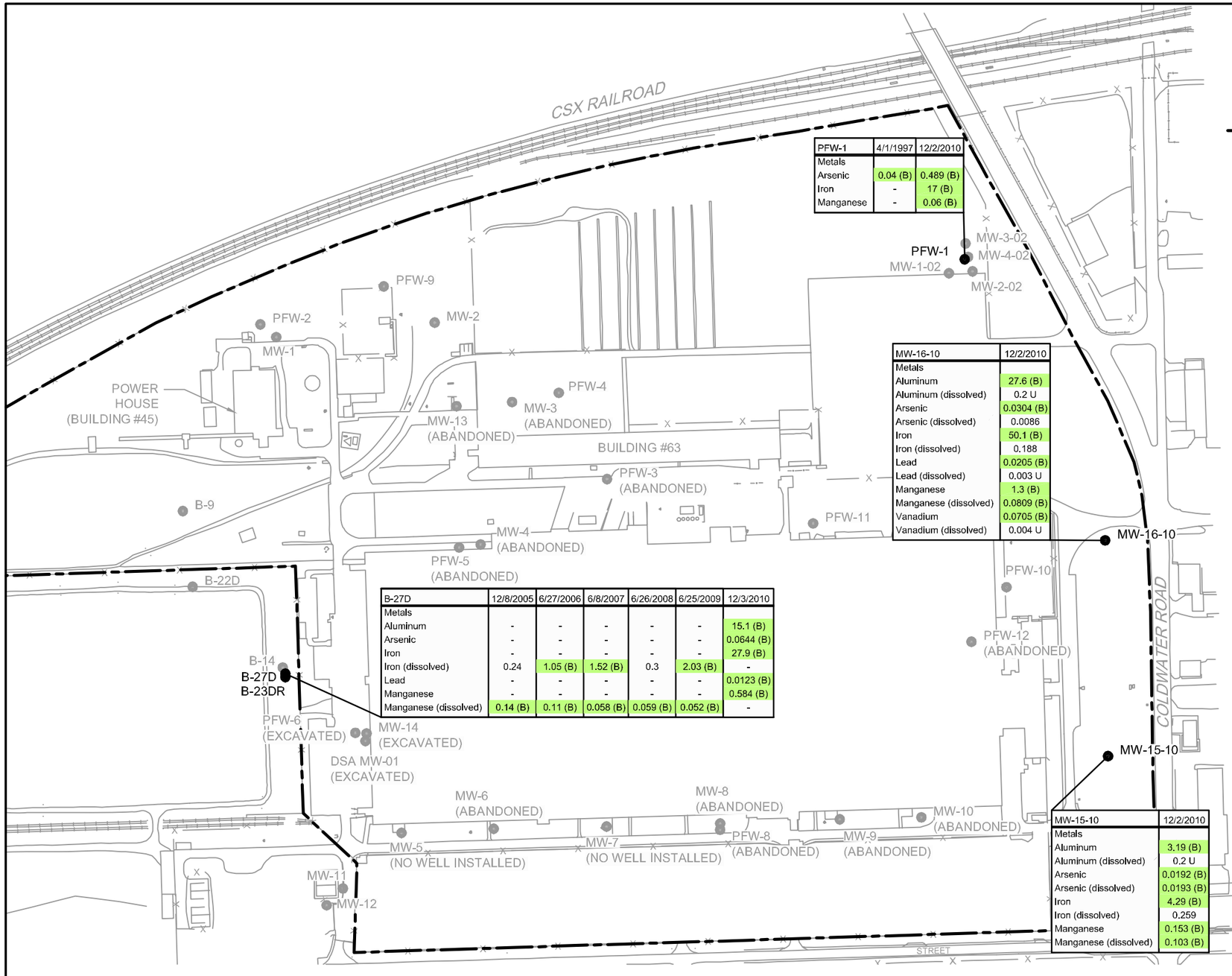
Criteria:
a - Groundwater Contact Criteria (GCC[A])
b - Industrial Drinking Water Criteria (IDWC[B])
c - Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIAIC[C])

NOTES;
1. THIS DRAWING IS FOR REFERENCE ONLY AND IS NEITHER COMPLETE NOR TO EXACTING SCALE.
2. MW-1-02 WAS DRY AND COULD NOT BE SAMPLED.
3. PFW-4 COULD NOT BE ACCESSED DUE TO STANDING WATER.
4. DATA FROM 2005 TO 2010 FOR B-9 SHOWN.

figure 1

SHALLOW GROUNDWATER RESULTS
FORMER PEREGRINE (US), INC. COLDWATER ROAD FACILITY
Genesee Township, Michigan

12636-T09(CONF006)GN-WA001 JAN 28/2011



PFW-1	4/1/1997	12/2/2010
Metals		
Arsenic	0.04 (B)	0.489 (B)
Iron	-	17 (B)
Manganese	-	0.06 (B)

MW-16-10	12/2/2010
Metals	
Aluminum	27.6 (B)
Aluminum (dissolved)	0.2 U
Arsenic	0.0304 (B)
Arsenic (dissolved)	0.0086
Iron	50.1 (B)
Iron (dissolved)	0.188
Lead	0.0205 (B)
Lead (dissolved)	0.003 U
Manganese	1.3 (B)
Manganese (dissolved)	0.0809 (B)
Vanadium	0.0705 (B)
Vanadium (dissolved)	0.004 U

B-27D	12/8/2005	6/27/2006	6/8/2007	6/26/2008	6/25/2009	12/3/2010
Metals						
Aluminum	-	-	-	-	-	15.1 (B)
Arsenic	-	-	-	-	-	0.0644 (B)
Iron	-	-	-	-	-	27.9 (B)
Iron (dissolved)	0.24	1.05 (B)	1.52 (B)	0.3	2.03 (B)	-
Lead	-	-	-	-	-	0.0123 (B)
Manganese	-	-	-	-	-	0.584 (B)
Manganese (dissolved)	0.14 (B)	0.11 (B)	0.058 (B)	0.059 (B)	0.052 (B)	-

MW-15-10	12/2/2010
Metals	
Aluminum	3.19 (B)
Aluminum (dissolved)	0.2 U
Arsenic	0.0192 (B)
Arsenic (dissolved)	0.0193 (B)
Iron	4.29 (B)
Iron (dissolved)	0.259
Manganese	0.153 (B)
Manganese (dissolved)	0.103 (B)

0 100 300ft

LEGEND

FACILITY BOUNDARY

PFW-1 ● MONITORING WELL LOCATION

MW-4-02	11/29/2010
Metals	
Aluminum	0.157 J (B)
Iron	1.41 (B)
Lead	0.0063 (B)
Manganese	0.426 (B)

SAMPLE LOCATION

SAMPLE DATE

RESULT (mg/L)

PARAMETER

EXCEEDS CRITERIA

Chemical Name	a	b
Aluminum	64000	0.05
Aluminum (dissolved)	64000	0.05
Arsenic	4.3	0.01
Arsenic (dissolved)	4.3	0.01
Iron	58000	0.3
Iron (dissolved)	58000	0.3
Lead	-	0.004
Lead (dissolved)	-	0.004
Manganese	9100	0.05
Manganese (dissolved)	9100	0.05
Vanadium	970	0.062
Vanadium (dissolved)	970	0.062

Criteria:
a - Groundwater Contact Criteria (GCC[A])
b - Industrial Drinking Water Criteria (IDWC[B])

NOTE;
1. THIS DRAWING IS FOR REFERENCE ONLY AND IS NEITHER COMPLETE NOR TO EXACTING SCALE.

figure 2

DEEP GROUNDWATER RESULTS
FORMER PEREGRINE (US), INC. COLDWATER ROAD FACILITY
Genesee Township, Michigan

TABLE 1

2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Monitoring Well	*Screened Interval (ft bgs)*	*Ground Surface Elevation (1) (ft AMSL)*	*Top of Casing Elevation (1) (ft AMSL)*	*Reference Elevation (Top of Riser) (ft AMSL)*		*Fall 2010 Event Parameters*
Perched Monitoring Wells						
B-9	19 to 24	806.77	808.32	807.67	(2)	VOCs, Metals, Cyanide
MW-1	15 to 25	806.29	806.35	806.08	(2)	VOCs, Metals, Cyanide
MW-2	15 to 25	807.22	806.90	806.90		VOCs, Metals, Cyanide
MW-1-02	10 to 15	808.14	811.13	810.64	(2)	(4)
MW-2-02	10 to 15	808.13	811.09	811.03	(3)	VOCs, Metals, Cyanide
MW-3-02	10 to 15	808.06	811.02	811.00	(3)	VOCs, Metals, Cyanide
MW-4-02	10 to 15	807.93	810.77	810.76	(3)	VOCs, Metals, Cyanide
PFW-2	11.9 to 14.4	807.04	809.94	809.43	(2)	VOCs, Metals, Cyanide
PFW-4	8.4 to 13.4	808.17	807.72	807.72		(5)
PFW-9	6.7 to 9.2	807.41	810.49	810.05	(2)	VOCs, Metals, Cyanide
PFW-10	14.2 to 16.7	808.85	808.48	808.48		VOCs, Metals, Cyanide
PFW-11	8.1 to 10.6	809.63	809.40	809.40		VOCs, Metals, Cyanide
Drift Aquifer Monitoring Wells						
B-27D	77 to 87	810.27	813.15	813.00	(2)	VOCs, Metals, Cyanide
MW-15-10	88 to 93	804.89	808.75	808.41	(2)	VOCs, Metals (6), Cyanide
MW-16-10	79 to 84	795.99	799.23	798.90	(2)	VOCs, Metals (6), Cyanide
PFW-1	81.3 to 86.3	807.83	809.78	809.77	(3)	VOCs, Metals, Cyanide

Notes:

Metals - Total metals
Cyanide - Amenable cyanide
(1) Surveyed March 25, 2004, unless otherwise noted
(2) Surveyed December 2010/January 2011
(3) Surveyed December 2010/January 2011 for top of riser elevation only
(4) Well was dry following purging and could not be sampled
(5) Well inaccessible due to pooled water
(6) Sample analyzed for total and dissolved metals

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*B-9*	*B-27D*	*MW-1*	*MW-2*
Sample ID:					*GW-12636-120310-BW-019*	*GW-12636-120310-BW-017*	*GW-12636-120210-BW-011*	*GW-12636-120310-BW-014*
Sample Date:					*12/3/2010*	*12/3/2010*	*12/2/2010*	*12/3/2010*
	Units	*a*	*b*	*c*				
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	1300	0.2	1300	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	4.7	0.035	77	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	21	0.005	110	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	2400	2.5	2300	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	11	0.007	1.3	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	19	0.07	300	0.005 U	0.005 U	0.005 U	0.005 U
1,2,4-Trimethylbenzene	mg/L	56	0.063	56	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.39	0.0002	1.2	0.001 UJ	0.001 UJ	0.001 UJ	0.001 UJ
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.025	0.00005	15	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	160	0.6	160	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	19	0.005	59	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	16	0.005	36	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	61	0.072	61	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	2	0.019	-	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	6.4	0.075	74	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	240000	38	240000	0.025 U	0.025 U	0.025 U	0.025 U
2-Hexanone	mg/L	5200	2.9	8700	0.05 U	0.05 U	0.05 U	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	13000	5.2	20000	0.05 U	0.05 U	0.05 U	0.05 U
Acetone	mg/L	31000	2.1	1000000	0.025 U	0.025 U	0.025 U	0.025 U
Benzene	mg/L	11	0.005	35	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	14	0.08	37	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	140	0.08	3100	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	70	0.029	9	0.001 UJ	0.001 UJ	0.001 UJ	0.001 UJ
Carbon disulfide	mg/L	1200	2.3	550	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	4.6	0.005	2.4	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	86	0.1	470	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	440	1.7	5700	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	150	0.08	180	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	490	1.1	45	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	200	0.07	210	0.001 U	0.001 U	0.00023 J	0.001 U
cis-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	18	0.08	110	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	300	4.8	300	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	170	0.074	170	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	56	2.3	56	0.005 U	0.005 U	0.005 U	0.005 U
Methyl acetate	mg/L	-	-	-	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*B-9*	*B-27D*	*MW-1*	*MW-2*
Sample ID:					*GW-12636-120310-BW-019*	*GW-12636-120310-BW-017*	*GW-12636-120210-BW-011*	*GW-12636-120310-BW-014*
Sample Date:					*12/3/2010*	*12/3/2010*	*12/2/2010*	*12/3/2010*
	Units	*a*	*b*	*c*				
Methyl tert butyl ether (MTBE)	mg/L	610	0.04	47000	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	220	0.005	1400	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	9.7	0.1	310	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	12	0.005	170	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	530	0.79	530	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	220	0.1	200	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	22	0.005	97	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	1100	7.3	1100	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	170	170	170	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	1	0.002	13	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	190	0.28	190	0.002 U	0.002 U	0.002 U	0.002 U
Metals								
Aluminum	mg/L	64000	0.05	-	**0.704**[b]	**15.1**[b]	**1.85**[b]	**0.508**[b]
Aluminum (dissolved)	mg/L	64000	0.05	-	-	-	-	-
Antimony	mg/L	68	0.006	-	0.00023 J	0.00049 J	0.00036 J	0.002 U
Antimony (dissolved)	mg/L	68	0.006	-	-	-	-	-
Arsenic	mg/L	4.3	0.01	-	0.0033 J	**0.0644**[b]	0.0094	**0.0279**[b]
Arsenic (dissolved)	mg/L	4.3	0.01	-	-	-	-	-
Barium	mg/L	14000	2	-	0.0173 J	0.28	0.0566 J	0.279
Barium (dissolved)	mg/L	14000	2	-	-	-	-	-
Beryllium	mg/L	290	0.004	-	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	290	0.004	-	-	-	-	-
Cadmium	mg/L	190	0.005	-	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	190	0.005	-	-	-	-	-
Chromium	mg/L	460	0.1	-	0.005 U	0.033	0.0035 J	0.005 U
Chromium Total (dissolved)	mg/L	460	0.1	-	-	-	-	-
Cobalt	mg/L	2400	0.1	-	0.0019 J	0.0127	0.0032 J	0.0056 J
Cobalt (dissolved)	mg/L	2400	0.1	-	-	-	-	-
Copper	mg/L	7400	1	-	0.0031	0.0258	0.028	0.0041
Copper (dissolved)	mg/L	7400	1	-	-	-	-	-
Iron	mg/L	58000	0.3	-	**1.01**[b]	**27.9**[b]	**3.59**[b]	**24.8**[b]
Iron (dissolved)	mg/L	58000	0.3	-	-	-	-	-
Lead	mg/L	-	0.004	-	0.003 U	**0.0123**[b]	**0.0142**[b]	0.003 U
Lead (dissolved)	mg/L	-	0.004	-	-	-	-	-
Manganese	mg/L	9100	0.05	-	**0.391**[b]	**0.584**[b]	**0.164**[b]	**2.12**[b]
Manganese (dissolved)	mg/L	9100	0.05	-	-	-	-	-

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*B-9*	*B-27D*	*MW-1*	*MW-2*
Sample ID:					*GW-12636-120310-BW-019*	*GW-12636-120310-BW-017*	*GW-12636-120210-BW-011*	*GW-12636-120310-BW-014*
Sample Date:					*12/3/2010*	*12/3/2010*	*12/2/2010*	*12/3/2010*
	Units	*a*	*b*	*c*				
Mercury	mg/L	0.056	0.002	0.056	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ
Mercury (dissolved)	mg/L	0.056	0.002	0.056	-	-	-	-
Nickel	mg/L	74000	0.1	-	0.0072 J	0.0328	0.0116 J	0.02 U
Nickel (dissolved)	mg/L	74000	0.1	-	-	-	-	-
Selenium	mg/L	970	0.05	-	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	970	0.05	-	-	-	-	-
Silver	mg/L	1500	0.098	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	1500	0.098	-	-	-	-	-
Thallium	mg/L	13	0.002	-	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	13	0.002	-	-	-	-	-
Vanadium	mg/L	970	0.062	-	0.0012 J	0.0403	0.0043	0.0014 J
Vanadium (dissolved)	mg/L	970	0.062	-	-	-	-	-
Zinc	mg/L	110000	5	-	0.0211 U	0.105 J	0.196 J	0.043 J
Zinc (dissolved)	mg/L	110000	5	-	-	-	-	-
General Chemistry								
Cyanide (amenable)	mg/L	-	-	-	0.010 U	0.010 U	0.010 U	0.010 U

Notes:

J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

Criteria:

a - Groundwater Contact Criteria (GCC[A])
b - Industrial Drinking Water Criteria (IDWC[B])
c - Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIAIC[C])

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*MW-2-02*	*MW-3-02*	*MW-4-02*	*MW-15-10*
Sample ID:					*GW-12636-112910-BW-002*	*GW-12636-120210-BW-007*	*GW-12636-112910-BW-001*	*GW-12636-120210-BW-004*
Sample Date:					*11/29/2010*	*12/2/2010*	*11/29/2010*	*12/2/2010*
	Units	*a*	*b*	*c*				
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	1300	0.2	1300	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	4.7	0.035	77	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	21	0.005	110	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	2400	2.5	2300	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	11	0.007	1.3	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	19	0.07	300	0.005 U	0.005 U	0.005 U	0.005 U
1,2,4-Trimethylbenzene	mg/L	56	0.063	56	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.39	0.0002	1.2	0.001 U	0.001 UJ	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.025	0.00005	15	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	160	0.6	160	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	19	0.005	59	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	16	0.005	36	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	61	0.072	61	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	2	0.019	-	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	6.4	0.075	74	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	240000	38	240000	0.025 U	0.025 U	0.025 U	0.025 U
2-Hexanone	mg/L	5200	2.9	8700	0.05 U	0.05 U	0.05 U	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	13000	5.2	20000	0.05 U	0.05 U	0.05 U	0.05 U
Acetone	mg/L	31000	2.1	1000000	0.025 U	0.025 U	0.025 U	0.0025 J
Benzene	mg/L	11	0.005	35	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	14	0.08	37	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	140	0.08	3100	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	70	0.029	9	0.001 U	0.001 UJ	0.001 U	0.001 U
Carbon disulfide	mg/L	1200	2.3	550	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	4.6	0.005	2.4	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	86	0.1	470	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	440	1.7	5700	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	150	0.08	180	0.001 U	0.001 U	0.001 U	0.00079 J
Chloromethane (Methyl chloride)	mg/L	490	1.1	45	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	200	0.07	210	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	18	0.08	110	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	300	4.8	300	0.001 UJ	0.001 U	0.001 UJ	0.001 UJ
Ethylbenzene	mg/L	170	0.074	170	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	56	2.3	56	0.005 U	0.005 U	0.005 U	0.005 U
Methyl acetate	mg/L	-	-	-	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*MW-2-02*	*MW-3-02*	*MW-4-02*	*MW-15-10*
Sample ID:					*GW-12636-112910-BW-002*	*GW-12636-120210-BW-007*	*GW-12636-112910-BW-001*	*GW-12636-120210-BW-004*
Sample Date:					*11/29/2010*	*12/2/2010*	*11/29/2010*	*12/2/2010*
	Units	*a*	*b*	*c*				
Methyl tert butyl ether (MTBE)	mg/L	610	0.04	47000	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	220	0.005	1400	0.005 UJ	0.005 U	0.005 UJ	0.005 UJ
Styrene	mg/L	9.7	0.1	310	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	12	0.005	170	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	530	0.79	530	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	220	0.1	200	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	22	0.005	97	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	1100	7.3	1100	0.001 UJ	0.001 U	0.001 UJ	0.001 UJ
Trifluorotrichloroethane (Freon 113)	mg/L	170	170	170	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	1	0.002	13	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	190	0.28	190	0.002 U	0.002 U	0.002 U	0.002 U
Metals								
Aluminum	mg/L	64000	0.05	-	0.2 U	0.2 U	**0.157 J[b]**	**3.19[b]**
Aluminum (dissolved)	mg/L	64000	0.05	-	-	-	-	0.2 U
Antimony	mg/L	68	0.006	-	0.002 U	0.002 U	0.00035 J	0.00022 J
Antimony (dissolved)	mg/L	68	0.006	-	-	-	-	0.002 U
Arsenic	mg/L	4.3	0.01	-	0.005 U	0.005 U	0.005 U	**0.0192[b]**
Arsenic (dissolved)	mg/L	4.3	0.01	-	-	-	-	**0.0193[b]**
Barium	mg/L	14000	2	-	0.126	0.0956 J	0.119	0.132
Barium (dissolved)	mg/L	14000	2	-	-	-	-	0.119
Beryllium	mg/L	290	0.004	-	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	290	0.004	-	-	-	-	0.001 U
Cadmium	mg/L	190	0.005	-	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	190	0.005	-	-	-	-	0.001 U
Chromium	mg/L	460	0.1	-	0.005 U	0.005 U	0.005 U	0.0049 J
Chromium Total (dissolved)	mg/L	460	0.1	-	-	-	-	0.005 U
Cobalt	mg/L	2400	0.1	-	0.007 U	0.007 U	0.007 U	0.0019 J
Cobalt (dissolved)	mg/L	2400	0.1	-	-	-	-	0.007 U
Copper	mg/L	7400	1	-	0.002 U	0.0032	0.0025 U	0.0033
Copper (dissolved)	mg/L	7400	1	-	-	-	-	0.002 U
Iron	mg/L	58000	0.3	-	0.1 U	0.0825 J	**1.41[b]**	**4.29[b]**
Iron (dissolved)	mg/L	58000	0.3	-	-	-	-	0.259
Lead	mg/L	-	0.004	-	0.003 U	0.003 U	**0.0063[b]**	0.003 U
Lead (dissolved)	mg/L	-	0.004	-	-	-	-	0.003 U
Manganese	mg/L	9100	0.05	-	**0.576[b]**	**1.95[b]**	**0.426[b]**	**0.153[b]**
Manganese (dissolved)	mg/L	9100	0.05	-	-	-	-	**0.103[b]**

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*MW-2-02*	*MW-3-02*	*MW-4-02*	*MW-15-10*
Sample ID:					***GW-12636-112910-BW-002***	***GW-12636-120210-BW-007***	***GW-12636-112910-BW-001***	***GW-12636-120210-BW-004***
Sample Date:					***11/29/2010***	***12/2/2010***	***11/29/2010***	***12/2/2010***
	Units	***a***	***b***	***c***				
Mercury	mg/L	0.056	0.002	0.056	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ
Mercury (dissolved)	mg/L	0.056	0.002	0.056	-	-	-	0.0002 U
Nickel	mg/L	74000	0.1	-	0.02 U	0.0061 J	0.02 U	0.0052 J
Nickel (dissolved)	mg/L	74000	0.1	-	-	-	-	0.02 U
Selenium	mg/L	970	0.05	-	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	970	0.05	-	-	-	-	0.005 U
Silver	mg/L	1500	0.098	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	1500	0.098	-	-	-	-	0.0002 U
Thallium	mg/L	13	0.002	-	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	13	0.002	-	-	-	-	0.001 U
Vanadium	mg/L	970	0.062	-	0.004 U	0.004 U	0.004 U	0.008
Vanadium (dissolved)	mg/L	970	0.062	-	-	-	-	0.004 U
Zinc	mg/L	110000	5	-	0.02 U	0.02 U	0.02 U	0.02 U
Zinc (dissolved)	mg/L	110000	5	-	-	-	-	0.02 U
General Chemistry								
Cyanide (amenable)	mg/L	-	-	-	0.010 U	0.010 U	0.010 U	0.010 U

Notes:

J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

Criteria:

a - Groundwater Contact Criteria (GCC[A])
b - Industrial Drinking Water Criteria (IDWC[B])
c - Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIAIC[C])

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*MW-16-10*	*PFW-1*	*PFW-2*	*PFW-2*
Sample ID:					*GW-12636-120210-BW-005*	*GW-12636-120210-BW-006*	*GW-12636-120310-BW-012*	*GW-12636-120310-BW-013*
Sample Date:					*12/2/2010*	*12/2/2010*	*12/3/2010*	*12/3/2010*
	Units	*a*	*b*	*c*				*(Duplicate)*
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	1300	0.2	1300	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	4.7	0.035	77	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	21	0.005	110	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	2400	2.5	2300	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	11	0.007	1.3	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	19	0.07	300	0.005 U	0.005 U	0.005 U	0.005 U
1,2,4-Trimethylbenzene	mg/L	56	0.063	56	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.39	0.0002	1.2	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.025	0.00005	15	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	160	0.6	160	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	19	0.005	59	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	16	0.005	36	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	61	0.072	61	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	2	0.019	-	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	6.4	0.075	74	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	240000	38	240000	0.0012 J	0.025 U	0.025 U	0.025 U
2-Hexanone	mg/L	5200	2.9	8700	0.05 U	0.05 U	0.05 U	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	13000	5.2	20000	0.05 U	0.05 U	0.05 U	0.05 U
Acetone	mg/L	31000	2.1	1000000	0.006 J	0.025 U	0.025 U	0.025 U
Benzene	mg/L	11	0.005	35	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	14	0.08	37	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	140	0.08	3100	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	70	0.029	9	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ
Carbon disulfide	mg/L	1200	2.3	550	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	4.6	0.005	2.4	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	86	0.1	470	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	440	1.7	5700	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	150	0.08	180	0.00055 J	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	490	1.1	45	0.001	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	200	0.07	210	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	18	0.08	110	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	300	4.8	300	0.001 UJ	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	170	0.074	170	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	56	2.3	56	0.005 U	0.005 U	0.005 U	0.005 U
Methyl acetate	mg/L	-	-	-	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*MW-16-10*	*PFW-1*	*PFW-2*	*PFW-2*
Sample ID:					*GW-12636-120210-BW-005*	*GW-12636-120210-BW-006*	*GW-12636-120310-BW-012*	*GW-12636-120310-BW-013*
Sample Date:					*12/2/2010*	*12/2/2010*	*12/3/2010*	*12/3/2010*
	Units	***a***	***b***	***c***				*(Duplicate)*
Methyl tert butyl ether (MTBE)	mg/L	610	0.04	47000	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	220	0.005	1400	0.005 UJ	0.005 U	0.005 U	0.005 U
Styrene	mg/L	9.7	0.1	310	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	12	0.005	170	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	530	0.79	530	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	220	0.1	200	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	22	0.005	97	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	1100	7.3	1100	0.001 UJ	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	170	170	170	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	1	0.002	13	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	190	0.28	190	0.002 U	0.002 U	0.002 U	0.002 U
Metals								
Aluminum	mg/L	64000	0.05	-	**27.6[b]**	0.2 U	0.2 U	0.2 U
Aluminum (dissolved)	mg/L	64000	0.05	-	0.2 U	-	-	-
Antimony	mg/L	68	0.006	-	0.00078 J	0.00029 J	0.002 U	0.002 U
Antimony (dissolved)	mg/L	68	0.006	-	0.00035 J	-	-	-
Arsenic	mg/L	4.3	0.01	-	**0.0304[b]**	**0.489[b]**	0.0032 J	0.005 U
Arsenic (dissolved)	mg/L	4.3	0.01	-	0.0086	-	-	-
Barium	mg/L	14000	2	-	0.33	0.201	0.0585 J	0.0574 J
Barium (dissolved)	mg/L	14000	2	-	0.159	-	-	-
Beryllium	mg/L	290	0.004	-	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	290	0.004	-	0.001 U	-	-	-
Cadmium	mg/L	190	0.005	-	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	190	0.005	-	0.001 U	-	-	-
Chromium	mg/L	460	0.1	-	0.0535	0.005 U	0.005 U	0.005 U
Chromium Total (dissolved)	mg/L	460	0.1	-	0.005 U	-	-	-
Cobalt	mg/L	2400	0.1	-	0.0209	0.007 U	0.007 U	0.007 U
Cobalt (dissolved)	mg/L	2400	0.1	-	0.007 U	-	-	-
Copper	mg/L	7400	1	-	0.0351	0.002 U	0.002 U	0.002 U
Copper (dissolved)	mg/L	7400	1	-	0.002 U	-	-	-
Iron	mg/L	58000	0.3	-	**50.1[b]**	**17[b]**	**0.701[b]**	**0.684[b]**
Iron (dissolved)	mg/L	58000	0.3	-	0.188	-	-	-
Lead	mg/L	-	0.004	-	**0.0205[b]**	0.003 U	0.003 U	0.003 U
Lead (dissolved)	mg/L	-	0.004	-	0.003 U	-	-	-
Manganese	mg/L	9100	0.05	-	**1.3[b]**	**0.06[b]**	**0.963[b]**	**0.91[b]**
Manganese (dissolved)	mg/L	9100	0.05	-	**0.0809[b]**	-	-	-

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*MW-16-10*	*PFW-1*	*PFW-2*	*PFW-2*
Sample ID:					***GW-12636-120210-BW-005***	***GW-12636-120210-BW-006***	***GW-12636-120310-BW-012***	***GW-12636-120310-BW-013***
Sample Date:					***12/2/2010***	***12/2/2010***	***12/3/2010***	***12/3/2010***
	Units	***a***	***b***	***c***				***(Duplicate)***
Mercury	mg/L	0.056	0.002	0.056	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ
Mercury (dissolved)	mg/L	0.056	0.002	0.056	0.0002 U	-	-	-
Nickel	mg/L	74000	0.1	-	0.0473	0.02 U	0.02 U	0.02 U
Nickel (dissolved)	mg/L	74000	0.1	-	0.02 U	-	-	-
Selenium	mg/L	970	0.05	-	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	970	0.05	-	0.005 U	-	-	-
Silver	mg/L	1500	0.098	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	1500	0.098	-	0.0002 U	-	-	-
Thallium	mg/L	13	0.002	-	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	13	0.002	-	0.001 U	-	-	-
Vanadium	mg/L	970	0.062	-	**0.0705**[b]	0.004 U	0.004 U	0.004 U
Vanadium (dissolved)	mg/L	970	0.062	-	0.004 U	-	-	-
Zinc	mg/L	110000	5	-	0.121 J	0.02 U	0.02 U	0.02 U
Zinc (dissolved)	mg/L	110000	5	-	0.02 U	-	-	-
General Chemistry								
Cyanide (amenable)	mg/L	-	-	-	0.010 U	0.010 U	0.010 U	0.010 U

Notes:

J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

Criteria:

a - Groundwater Contact Criteria (GCC[A])
b - Industrial Drinking Water Criteria (IDWC[B])
c - Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIAIC[C])

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*PFW-9*	*PFW-9*	*PFW-10*	*PFW-11*
Sample ID:					*GW-12636-120210-BW-008*	*GW-12636-120210-BW-009*	*GW-12636-120310-BW-018*	*GW-12636-120210-BW-010*
Sample Date:					*12/2/2010*	*12/2/2010*	*12/3/2010*	*12/2/2010*
	Units	*a*	*b*	*c*		*(Duplicate)*		
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	1300	0.2	1300	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	4.7	0.035	77	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	21	0.005	110	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	2400	2.5	2300	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	11	0.007	1.3	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	19	0.07	300	0.005 U	0.005 U	0.005 U	0.005 U
1,2,4-Trimethylbenzene	mg/L	56	0.063	56	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.39	0.0002	1.2	0.001 UJ	0.001 UJ	0.001 UJ	0.001 UJ
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.025	0.00005	15	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	160	0.6	160	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	19	0.005	59	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	16	0.005	36	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	61	0.072	61	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	2	0.019	-	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	6.4	0.075	74	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	240000	38	240000	0.025 U	0.025 U	0.025 U	0.025 U
2-Hexanone	mg/L	5200	2.9	8700	0.05 U	0.05 U	0.05 U	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	13000	5.2	20000	0.05 U	0.05 U	0.05 U	0.05 U
Acetone	mg/L	31000	2.1	1000000	0.025 U	0.025 U	0.0092 J	0.025 U
Benzene	mg/L	11	0.005	35	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	14	0.08	37	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	140	0.08	3100	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	70	0.029	9	0.001 UJ	0.001 UJ	0.001 UJ	0.001 UJ
Carbon disulfide	mg/L	1200	2.3	550	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	4.6	0.005	2.4	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	86	0.1	470	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	440	1.7	5700	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	150	0.08	180	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	490	1.1	45	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	200	0.07	210	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	18	0.08	110	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	300	4.8	300	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	170	0.074	170	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	56	2.3	56	0.005 U	0.005 U	0.005 U	0.005 U
Methyl acetate	mg/L	-	-	-	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*PFW-9*	*PFW-9*	*PFW-10*	*PFW-11*
Sample ID:					*GW-12636-120210-BW-008*	*GW-12636-120210-BW-009*	*GW-12636-120310-BW-018*	*GW-12636-120210-BW-010*
Sample Date:					*12/2/2010*	*12/2/2010*	*12/3/2010*	*12/2/2010*
	Units	***a***	***b***	***c***		***(Duplicate)***		
Methyl tert butyl ether (MTBE)	mg/L	610	0.04	47000	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	220	0.005	1400	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	9.7	0.1	310	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	12	0.005	170	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	530	0.79	530	0.001 U	0.001 U	0.00062 J	0.001 U
trans-1,2-Dichloroethene	mg/L	220	0.1	200	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	-	-	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	22	0.005	97	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	1100	7.3	1100	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	170	170	170	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	1	0.002	13	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	190	0.28	190	0.002 U	0.002 U	0.002 U	0.002 U
Metals								
Aluminum	mg/L	64000	0.05	-	**1.3 J[b]**	**0.524 J[b]**	0.2 U	**1.57[b]**
Aluminum (dissolved)	mg/L	64000	0.05	-	-	-	-	-
Antimony	mg/L	68	0.006	-	0.00036 J	0.00026 J	0.002 U	0.00046 J
Antimony (dissolved)	mg/L	68	0.006	-	-	-	-	-
Arsenic	mg/L	4.3	0.01	-	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic (dissolved)	mg/L	4.3	0.01	-	-	-	-	-
Barium	mg/L	14000	2	-	0.0367 J	0.0343 J	0.0458 J	0.0726 J
Barium (dissolved)	mg/L	14000	2	-	-	-	-	-
Beryllium	mg/L	290	0.004	-	0.001 U	0.001 U	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	290	0.004	-	-	-	-	-
Cadmium	mg/L	190	0.005	-	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	190	0.005	-	-	-	-	-
Chromium	mg/L	460	0.1	-	0.005 U	0.005 U	0.005 U	0.0053
Chromium Total (dissolved)	mg/L	460	0.1	-	-	-	-	-
Cobalt	mg/L	2400	0.1	-	0.007 U	0.007 U	0.007 U	0.0017 J
Cobalt (dissolved)	mg/L	2400	0.1	-	-	-	-	-
Copper	mg/L	7400	1	-	0.0075 J	0.0035 J	0.002 U	0.0135
Copper (dissolved)	mg/L	7400	1	-	-	-	-	-
Iron	mg/L	58000	0.3	-	**7.78 J[b]**	**2.93 J[b]**	0.1 U	**2.73[b]**
Iron (dissolved)	mg/L	58000	0.3	-	-	-	-	-
Lead	mg/L	-	0.004	-	0.003 U	0.003 U	0.003 U	**0.0125[b]**
Lead (dissolved)	mg/L	-	0.004	-	-	-	-	-
Manganese	mg/L	9100	0.05	-	**0.0519 J[b]**	0.0208 J	**0.16[b]**	**0.056[b]**
Manganese (dissolved)	mg/L	9100	0.05	-	-	-	-	-

TABLE 2

2010 GROUNDWATER RESULTS SUMMARY
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

one					*PFW-9*	*PFW-9*	*PFW-10*	*PFW-11*
Sample ID:					***GW-12636-120210-BW-008***	***GW-12636-120210-BW-009***	***GW-12636-120310-BW-018***	***GW-12636-120210-BW-010***
Sample Date:					***12/2/2010***	***12/2/2010***	***12/3/2010***	***12/2/2010***
	Units	***a***	***b***	***c***		***(Duplicate)***		
Mercury	mg/L	0.056	0.002	0.056	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ
Mercury (dissolved)	mg/L	0.056	0.002	0.056	-	-	-	-
Nickel	mg/L	74000	0.1	-	0.0034 J	0.02 U	0.0036 J	0.006 J
Nickel (dissolved)	mg/L	74000	0.1	-	-	-	-	-
Selenium	mg/L	970	0.05	-	0.005 U	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	970	0.05	-	-	-	-	-
Silver	mg/L	1500	0.098	-	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	1500	0.098	-	-	-	-	-
Thallium	mg/L	13	0.002	-	0.001 U	0.001 U	0.001 U	0.001 U
Thallium (dissolved)	mg/L	13	0.002	-	-	-	-	-
Vanadium	mg/L	970	0.062	-	0.0015 J	0.004 U	0.004 U	0.0032 J
Vanadium (dissolved)	mg/L	970	0.062	-	-	-	-	-
Zinc	mg/L	110000	5	-	0.0546 J	0.0218 UJ	0.02 U	0.0563 J
Zinc (dissolved)	mg/L	110000	5	-	-	-	-	-
General Chemistry								
Cyanide (amenable)	mg/L	-	-	-	0.010 U	0.010 U	0.010 U	0.010 U

Notes:

J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

Criteria:

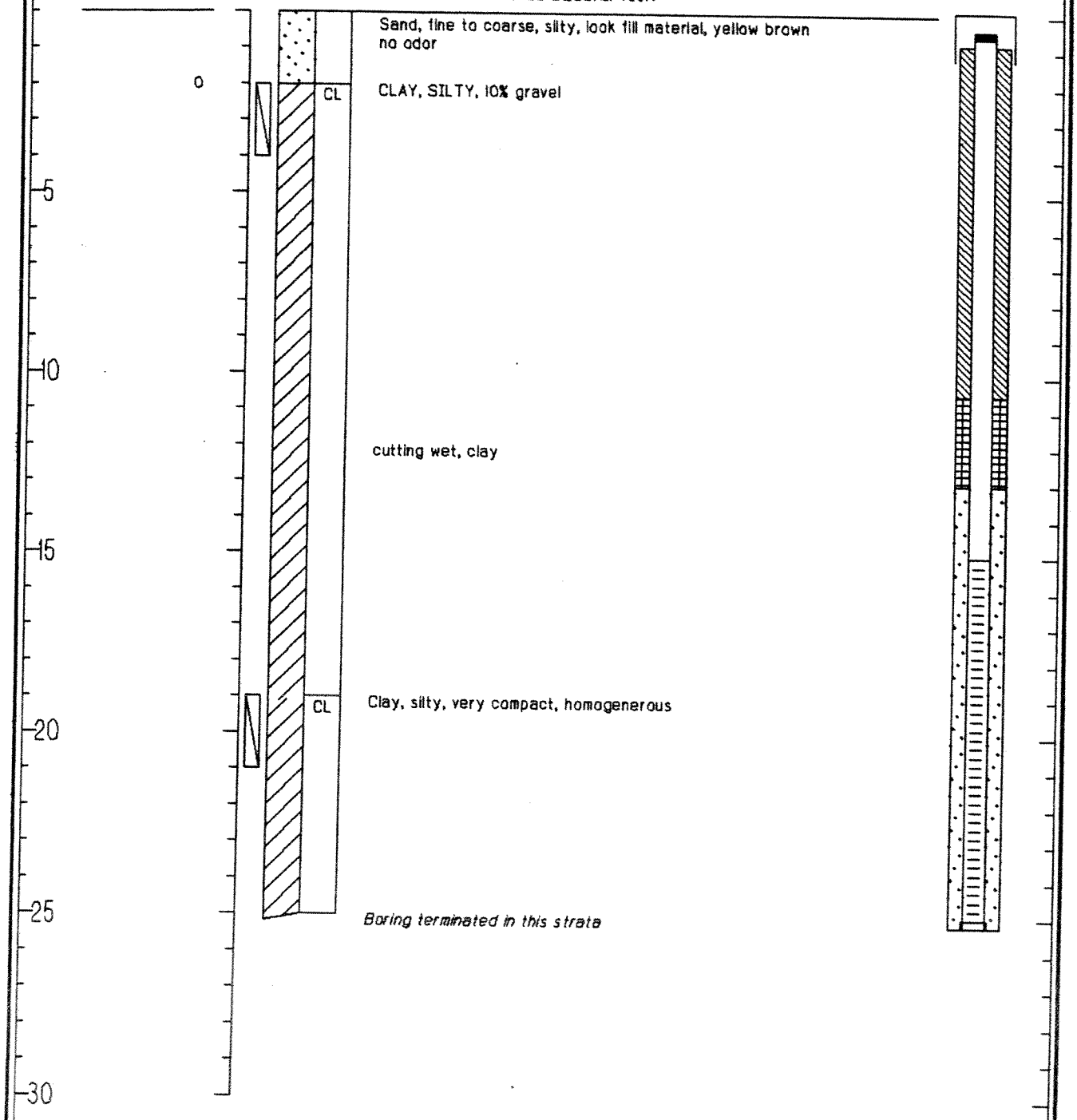
a - Groundwater Contact Criteria (GCC[A])
b - Industrial Drinking Water Criteria (IDWC[B])
c - Industrial Groundwater Volatilization to Indoor Air Inhalation Criteria (IGVIAIC[C])

ATTACHMENT A

STRATIGRAPHIC AND INSTALLATION LOGS

WELL MW-1 *(Page 1 of 1)*

CLIENT NAME JLL/Peregrine
DATE DRILLED 11/7/98
SURFACE ELEVATION 100 Feet MSLD
TOTAL DEPTH OF HOLE 25 Feet



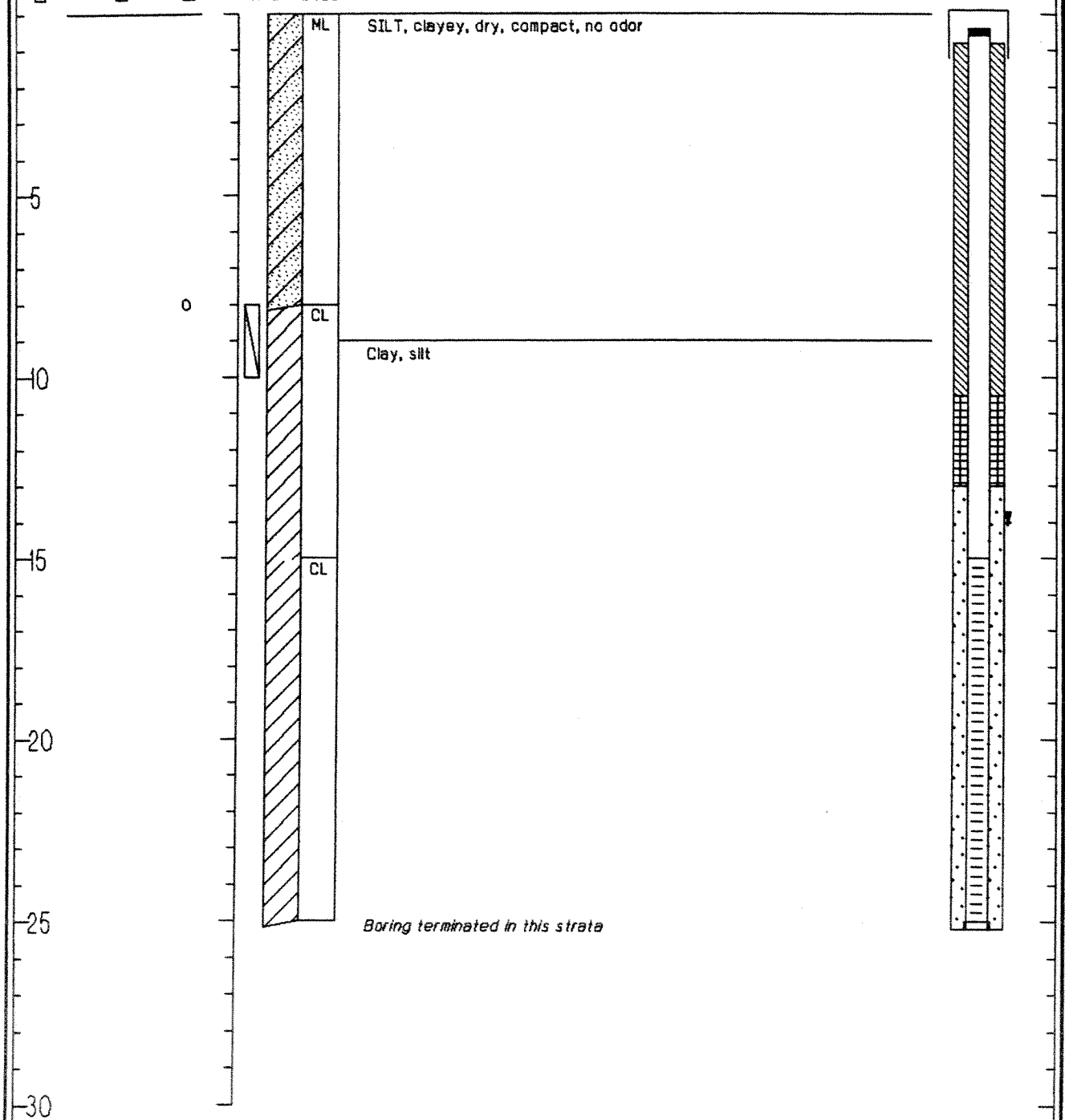
GaiaTech Inc.

JOB NUMBER: 1815-40

LOCATION: Flint, Michigan

WELL MW-2 *(Page 1 of 1)*

CLIENT NAME JLL/Peregrine
DATE DRILLED 11/6/96
SURFACE ELEVATION 100 Feet MSLD
TOTAL DEPTH OF HOLE 25 Feet



GaiaTech Inc.

JOB NUMBER: 1815-40

LOCATION: Flint, Michigan

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 12636
CLIENT: GM REALM
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-1-02
DATE COMPLETED: June 28, 2002
DRILLING METHOD: 4-1/4" HSA
FIELD PERSONNEL: D. DEITNER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOP OF RISER GROUND SURFACE	810.90 808.00						
0	SW-SANDS (FILL), with medium grained rounded gravels, trace silts, fine to medium grained, well graded, trace topsoil, dry - topsoil not present at 0.5ft BGS	807.00	BENTONITE CHIPS					
2	CL-SILTY CLAYS (FILL), trace fine grained sands, trace fine to medium grained gravel, stiff, low plasticity, brown, moist - 1/4" lens sandy silt at 2.5ft BGS	804.00	8-1/2" BOREHOLE	1GP				0.0
4	CL-SILTY CLAYS (NATIVE), trace fine grained sands, trace fine grained subrounded gravel, firm, low plasticity, brown, moist - 1" vertical sand lens, 2mm thick at 4.8ft BGS		2" PVC WELL CASING					
6								
8	- 1" sand/silt lens, slight increase in moisture at 8.1ft BGS		SAND PACK	2GP				0.0
10								
12	- with sand at 11.5ft BGS - trace sand at 11.8ft BGS - trace gray mottling at 12.7ft BGS		2" PVC WELL SCREEN	3GP				0.0
14								
16	END OF BOREHOLE @ 15.0ft BGS	793.00						
18								
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened Interval:
798.00 to 793.00ft
10.00 to 15.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: Schedule 40 PVC
Sand Pack:
800.00 to 793.00ft
8.00 to 15.00ft BGS
Material: Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 12636.GPJ CRA_CORP-SPANISH.GDT 4/19/10

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 12636
CLIENT: GM REALM
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-2-02
DATE COMPLETED: June 28, 2002
DRILLING METHOD: 4-1/4" HSA
FIELD PERSONNEL: D. DEITNER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOP OF RISER GROUND SURFACE	810.99 807.94						
0	TOPSOIL	807.61	BENTONITE CHIPS					
	SW-SANDS (FILL), with medium grained rounded gravel, trace silt, compact, fine to medium grained, well graded, light brown, dry	807.03						
2	- 2" cobbles at 1.1ft BGS	805.94	8-1/2" BOREHOLE	1GP				0.0
4	MH-SILT WITH SANDS (FILL), loose, fine grained, poorly graded, light brown, dry							
6	CL-SILTY CLAYS (FILL), trace fine grained sand, trace fine grained rounded gravel, stiff, low plasticity, brown, moist - 1" lens sandy clay at 3.5ft BGS		2" PVC WELL CASING					
8		799.84		2GP				0.0
10	CL-SILTY CLAYS (NATIVE), trace fine grained sand, trace fine grained rounded gravels, stiff, low plasticity, grayish brown, moist - 1.5" lens clayey silt, moist to very moist at 8.8ft BGS		SAND PACK					
12	- 3" lens silt with clay, trace sand, moist to very moist at 11.1ft BGS - gray, hard, competent at 13.1ft BGS		2" PVC WELL SCREEN	3GP				0.0
14	- 1.5" lens clayey silt at 13.5ft BGS							
16	END OF BOREHOLE @ 15.0ft BGS	792.94						
18								
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened Interval:
797.94 to 792.94ft
10.00 to 15.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: Schedule 40 PVC
Sand Pack:
799.94 to 792.94ft
8.00 to 15.00ft BGS
Material: Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 12636
CLIENT: GM REALM
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-3-02
DATE COMPLETED: June 28, 2002
DRILLING METHOD: 4-1/4" HSA
FIELD PERSONNEL: D. DEITNER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOP OF RISER GROUND SURFACE	810.84 808.05						
0	TOPSOIL	807.72 807.39	BENTONITE CHIPS					
2	SW-SANDS (FILL), and medium grained rounded gravel, trace silts, loose, fine grained, poorly graded, light brown, dry			1GP				0.0
4	CL-SILTY CLAYS (FILL), trace to with fine grained sands, trace medium grained rounded gravel, stiff, low plasticity, brown, moist - trace rootlets at 4.8ft BGS		8-1/2" BOREHOLE					
6			2" PVC WELL CASING					
8	CL-SILTY CLAYS (NATIVE), trace fine grained sand, trace medium grained rounded gravel, stiff, low plasticity, brown, moist	800.55		2GP				0.0
10	- 2.5" lens clayey silt, moist to very moist at 9.9ft BGS		SAND PACK					
12	- 2" lens sandy clay, moist to very moist at 12.2ft BGS - brown, homogeneous at 13.0ft BGS		2" PVC WELL SCREEN	3GP				0.0
14	- gray at 14.2ft BGS							
16	END OF BOREHOLE @ 15.0ft BGS	793.05						
18								
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened Interval:
798.05 to 793.05ft
10.00 to 15.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: Schedule 40 PVC
Sand Pack:
800.05 to 793.05ft
8.00 to 15.00ft BGS
Material: Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 12636.GPJ CRA_CORP-SPANISH.GDT 4/19/10

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 12636
CLIENT: GM REALM
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-4-02
DATE COMPLETED: July 3, 2002
DRILLING METHOD: 4-1/4" HSA
FIELD PERSONNEL: D. DEITNER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
	TOP OF RISER GROUND SURFACE	810.63 807.91						
0	TOPSOIL	807.50	BENTONITE CHIPS					
2	MH-SANDY SILTS (FILL), loose, fine grained, poorly graded, brown, dry - 1" cobble at 2.2ft BGS	805.71	8-1/2" BOREHOLE	1GP				0.0
4	CL-SILTY CLAY (FILL), trace fine grained sands, trace fine and coarse grained subrounded gravel, firm, low plasticity, brown, moist - brown and gray native, trace topsoil, rootlets, 1" cobbles at 3.8ft BGS	802.41	2" PVC WELL CASING					
6								
8	CL-SILTY CLAYS (NATIVE), trace fine grained rounded gravels, trace fine grained sands, firm, low plasticity, brown with gray mottling, moist			2GP				0.0
10	- trace oragnic staining at 9.7ft BGS - brown at 10.0ft BGS		SAND PACK					
12	- 3" lens sandy silt, trace clay, moist to very moist at 11.7ft BGS - stiff, brown, homogeneous at 12.1ft BGS		2" PVC WELL SCREEN	3GP				0.0
14								
16	END OF BOREHOLE @ 15.0ft BGS	792.91						
18								
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened Interval:
797.91 to 792.91ft
10.00 to 15.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: Schedule 40 PVC
Sand Pack:
799.91 to 792.91ft
8.00 to 15.00ft BGS
Material: Silica Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 12636.GPJ CRA_CORP-SPANISH.GDT 4/19/10

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-15-10
DATE COMPLETED: November 23, 2010
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	TOPSOIL	0.20	CONCRETE					
2	CL-SILTY CLAY (FILL), trace fine sand, trace rootlets, mottled, weathered, low plasticity, brown/gray, dry		CEMENT/BENTONITE GROUT					
4				1RS		100		0.1
6	SP-SAND (FILL), fine grained, poorly graded, trace oxidation, loose, brown, slightly moist	6.00	2" PVC WELL CASING 10" BOREHOLE					
8	CL-SILTY CLAY (native), trace fine sand, trace fine gravel, low to medium plasticity, gray, moist	7.70	7" STEEL CASING					
10								
12			6" BOREHOLE	2RS		100		0.0
14								
16								
18								
20								
22				3RS		100		0.0
24								
26								
28								
30								
32				4RS		100		0.0
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-15-10
DATE COMPLETED: November 23, 2010
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
36								
38								
40								
42				5RS		100		0.0
44								
46								
48								
50								
52	- slight increase in sand content at 52.0ft BGS			6RS		100		0.0
54	SP-SAND, fine grained, some silt, poorly graded, gray, moist	53.60						
	SM-SILTY SAND, trace fine sand, compact, gray, moist	54.60						
56	CL-SILTY CLAY, trace fine sand, trace fine gravel, low to medium plasticity, gray, moist	55.10						
58								
60								
62				7RS		100		0.0
64	- trace medium gravel at 64.0ft BGS							
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-15-10
DATE COMPLETED: November 23, 2010
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
72	- some fine sand at 71.5ft BGS							
	SP-SAND, fine grained, poorly graded, trace silt, compact, light brown, moist	72.10		8RS		100		0.0
74								
	SM-SILTY SAND, trace fine sand, poorly graded, compact, gray, moist	74.90						
76								
78	SM-SILTY SAND, trace fine sand, trace silty clay stringers, compact, wet	78.00	6" BOREHOLE					
80								
82				9RS		100		0.0
84			BENTONITE CHIPS					
86								
88								
90			2" PVC WELL SCREEN					
92	CL-SILTY CLAY, trace fine sand, medium plasticity, soft, gray, moist	92.00	SAND PACK	10RS		100		0.0
94								
96			BENTONITE CHIPS					
	END OF BOREHOLE @ 97.0ft BGS	97.00						
98								
100								
102								
104								

WELL DETAILS
Screened Interval:
88.00 to 93.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
82.10 to 85.10ft BGS
Material: BENTONITE CHIPS
Sand Pack:
85.10 to 94.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-16-10
DATE COMPLETED: November 24, 2010
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
0	TOPSOIL	0.30	CONCRETE					
	SP-SAND (FILL), fine grained, poorly graded, trace fine gravel, brown, moist							
2	SW-SAND (FILL), fine and medium sand, trace fine gravel, well graded, brown, moist	2.20	CEMENT/BENTONITE GROUT					
4				1RS		100		0.1
	CL-SILTY CLAY (FILL), some fine and medium sand, trace fine gravel, mottled, weathered, trace oxidation, brown, moist	4.90	2" PVC WELL CASING					
6			10" BOREHOLE					
8			7" STEEL CASING					
10								
	CL-SILTY CLAY (native), trace fine sand, trace medium grained sand, low to medium plasticity, gray, moist	11.00						
12				2RS		100		0.0
14			6" BOREHOLE					
16	- some silty sand at 16.5ft BGS							
18								
20								
22				3RS		100		0.0
24								
26								
28								
30								
32				4RS		100		0.1
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-16-10
DATE COMPLETED: November 24, 2010
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
36								
38								
40								
42				5RS		100		0.1
44								
46								
	- trace medium sand at 47.2ft BGS							
48								
50								
52				6RS		100		0.0
54								
56								
58								
60								
62				7RS		100		0.0
64								
66	- slight increase in sand content at 66.0ft BGS							
		66.30						
	SP-SAND, fine grained, poorly graded, some silt, compact, brown/gray, moist	67.00						
68	SM-SILTY SAND, trace fine sand, compact, moist to wet							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: FORMER PEREGRINE FACILITY
PROJECT NUMBER: 012636
CLIENT: MOTORS LIQUIDATION COMPANY
LOCATION: GENESEE TOWNSHIP, MICHIGAN

HOLE DESIGNATION: MW-16-10
DATE COMPLETED: November 24, 2010
DRILLING METHOD: ROTOSONIC
FIELD PERSONNEL: B. WILLIAMS

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (%)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
72	- wet at 72.0ft BGS			8RS		100		0.0
74								
76			BENTONITE CHIPS					
78			6" BOREHOLE					
80			2" PVC WELL SCREEN					
82			SAND PACK	9RS		100		0.0
84	CL-SILTY CLAY, trace fine sand, soft, medium plasticity, gray, moist	84.00						
86			BENTONITE CHIPS					
	END OF BOREHOLE @ 87.0ft BGS	87.00						
88								
90								
92								
94								
96								
98								
100								
102								
104								

WELL DETAILS
Screened Interval:
79.00 to 84.00ft BGS
Length: 5ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
76.70 to 77.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
77.00 to 85.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

LOG OF TEST BORING

F-203 (R 01-87)

FMT

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-1
LOCATION	FLINT, MICHIGAN	SHEET NO.	1 OF 7
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-13-97
		SURFACE ELEV.	99.6
		BOREHOLE DIA.	8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
1	SS	17	16	0.6		Asphalt, broken. Fill: well-graded sand with gravel, little silt, little clay, brown, wet.	
2	SS	15	18	0		SANDY LEAN CLAY (CL), little fine to coarse sand, few fine to coarse gravel, slightly plastic, brown 10YR 4/3 with some mottling to grayish brown and yellowish brown, moist, (hard Pp > 4.5) (Glacial Till).	
3	SS	16	24	0		As above (CL), very stiff from 2 to 2.5 ft.	
					5		
4	SS	15	24	0		As above (CL), fractured, very stiff (Pp=3.4) below 5.7 feet.	
5	SS	22	24	0		As above (CL), becoming mottled brown, dark grayish brown and dark gray 10YR 4/1 - 4/2.	
6	SS	16	24	0	10	As above (CL), wet at sand partings @ 8.5' and 9.1', brown, trace fractures.	

GENERAL NOTES

DATE STARTED 12 MAR 97
DATE COMPLETED 13 MAR 97
RIG CME 750 ATV
CREW CHIEF R. BENNETT
LOGGED DPR CHECKED LPL

WATER LEVEL OBSERVATIONS

WHILE DRILLING ▽ 78.0 ft. bgl
AT COMPLETION ▼
AFTER DRILLING
CAVE-IN: DATE/TIME ____ DEPTH ____
WATER: DATE/TIME ____ DEPTH ____

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

BORING NO.: PFW-1
SHEET NO.: 2 OF 7
PROJECT NO.: 4036.05
INSTALLATION: 3-13-97
SURFACE ELEV.: 99.6
BOREHOLE DIA.: 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
						As above (CL), stiff to very stiff, (Pp= 1.6 to 2.7).	
7	SS	15	24			As above (CL).	
						WELL-GRADED SAND WITH SILT (SW), fine to medium, trace gravel, few clay, brown 10YR 4/3, moist, pieces of clay till.	
					15	SANDY LEAN CLAY (CL), some fine to coarse sand, few fine to coarse gravel, slightly plastic, brown 10YR 4/3, moist, stiff to very stiff (Glacial Till).	
8	SS	15	24	0		As above (CL), hard (Pp > 4).	
					20		
						As above (CL).	
9	SS	19	24	0			
						LEAN CLAY (CL), gradational areas of	

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-1
LOCATION	FLINT, MICHIGAN	SHEET NO.	3 OF 7
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-13-97
		SURFACE ELEV.	99.6
		BOREHOLE DIA.	8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
						clayey silt and sandy silt, slightly plastic, mottled brown, dark yellowish brown, and brownish gray, hard, fractured, friable, (Glacial Till).	
					25	SILTY SAND (SM), fine, brown, wet.	
10	SS	40	24	0		LEAN CLAY (CL), slightly plastic, brown with dark yellowish brown and black precipitate along fractures, mostly dark grayish brown below 29.6', moist to wet along silt partings, very hard, faint lamination (Glaciolacustrine).	
					30		
					35		

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

BORING NO.: PFW-1
SHEET NO.: 4 OF 7
PROJECT NO.: 4036.05
INSTALLATION: 3-13-97
SURFACE ELEV.: 99.6
BOREHOLE DIA.: 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	RECOVERY IN	PID	DEPTH		
11	SS	20	0			As above (CL), gray 10YR 5/1 (based on cuttings).	
					40		
12	SS	17	24	0.6		As above (CL), wet along silt partings, very stiff (Pp = 3.2 to 3.7).	
					45	SILT (ML), grading from above clay, nonplastic, gray 10YR 5/1, moist, very stiff.	

LOG OF TEST BORING

F-203 (R 01-87)

BORING NO. PFW-1
SHEET NO. 5 OF 7
PROJECT NAME PEREGRINE FLINT
PROJECT NO. 4036.05
LOCATION FLINT, MICHIGAN
INSTALLATION 3-13-97
CONTRACTOR STEARNS DRILLING CO
SURFACE ELEV. 99.6
DRILLING METHOD 4.25" HSA
BOREHOLE DIA. 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
					50		
13	SS	14	24	0.3		LEAN CLAY (CL), trace fine gravel, trace fine to coarse sand, medium plastic, gray 10YR 5/1, moist, very stiff (Pp = 2.3 to 2.7), faint lamination (Glaciolacustrine).	
					55		
					60		

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

BORING NO. PFW-1
SHEET NO. 6 OF 7
PROJECT NO. 4036.05
INSTALLATION 3-13-97
SURFACE ELEV. 99.6
BOREHOLE DIA. 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
14	SS	16	24	0.2		As above (CL), abundant silt partings.	
					65		
					70	<--- Drillers note change in resistance @ 71 feet.	
15	SS	88	18			POORLY-GRADED SAND (SP), fine, trace silt, light gray 10YR 7/1, moist to dry, faint stratification.	
					75		

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-1
LOCATION	FLINT, MICHIGAN	SHEET NO.	7 OF 7
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-13-97
		SURFACE ELEV.	99.6
		BOREHOLE DIA.	8 IN.

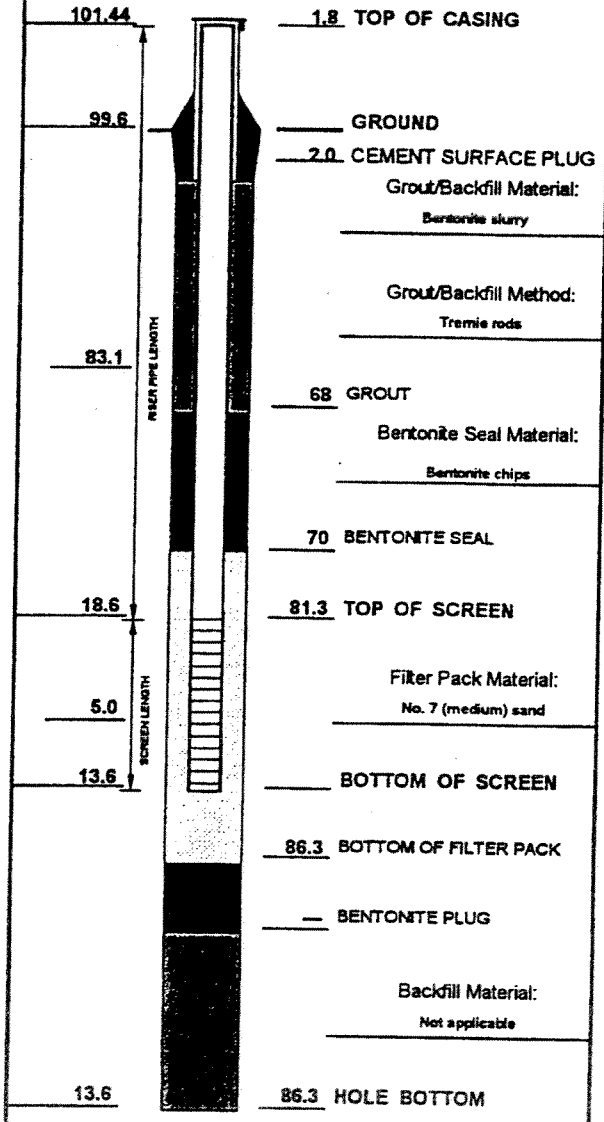
SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
16	SS	23	18			As above (SP), some medium sand, gray 10YR 6/1, wet.	
					80		
17	SS	40	24			As above (SP), mostly medium grained.	
					85	LEAN CLAY (CL).	
						End of boring at 85 feet.	

ENVIRONMENTAL AUDIT REPORT:
PRIVILEGED DOCUMENT

RMT INC.

WELL CONSTRUCTION DIAGRAM

PROJECT:	Peregrine - Flint					WELL NO.:	PFW-1
PROJ. NO:	4036.05	DATE INSTALLED:	3-13-97	OBSV. BY:	DPR	CHECKED BY:	DPR



1. CASING AND SCREEN DETAILS:

A) Type Of Pipe: 2" PVC — Pipe Schedule: 40

B) Pipe Joints: Flush with O-ring

C) Solvent Used? No

D) Screen Type: 2" with machined slots, flush joint — Screen Slot Size: 0.01"

E) Borehole Diameter: 8 In. From 0 To 86.3 Ft.
___ In. From ___ To ___ Ft.

F) Surf. Casing Diameter: ___ In. From ___ To ___ Ft.
2nd Surface Casing: ___ In. From ___ To ___ Ft.

G) Installed Protective Cover W/ Lock? Yes

2. WELL DEVELOPMENT:

A) Method: Surge/pump with Bremer check valve

B) Time Spent Developing: 2.4 Hours

C) Water Removed: 300 Gallons
Added: 10 Gallons

D) Water Clarity Before/After Development:
Before: Opaque, gray
After: Slightly turbid (approximately 50 NTU)

F) Odor (Descr. if present) None

3. WATER LEVEL SUMMARY:

A) After Developing: ___ Ft. Below Top Of Casing

B) Other Date/Time: 3-31-97/1358 80.58 Ft.
Other Date/Time: ___ Ft.

Notes: Approximately 10 gallons of clean water were added to eliminate a temporary bridge during filter packing.

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

BORING NO.: PFW-2
SHEET NO.: 1 OF 2
PROJECT NO.: 4036.05
INSTALLATION: 3-14-97
SURFACE ELEV.: 98.5
BOREHOLE DIA.: 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
1	SS	26	18	0		Topsoil, wet.	
						SANDY LEAN CLAY WITH GRAVEL (CL), some fine to coarse sand, little fine to coarse gravel, slightly plastic, brown 10YR 4/3 with some dark yellowish brown mottling, moist, hard (Pp > 4.5).	
2	SS	15	16	0			
						As above (CL), increasing moisture below 3 feet, stiff (Pp = 1.2 to 1.5).	
3	SS	12	16	0			
					5	As above (CL), some brownish gray mottling, some very stiff areas (Pp = 2.5).	
4	SS	5	18	0			
						As above (CL), with gray areas.	
					▽	WELL-GRADED SAND WITH CLAY (SW-SC), fine to medium sand, little coarse sand, few clay, trace gravel, brown 10YR 4/3, wet.	
5	SS	1	18				
						As above (SW-SC), 2" to 4" zone stiff sandy clay.	
6	SS	2	6		10		

GENERAL NOTES

DATE STARTED: 14 MAR 97
DATE COMPLETED: 14 MAR 97
RIG: CME 750 ATV
CREW CHIEF: R. BENNETT
LOGGED: DPR CHECKED: JPL

WATER LEVEL OBSERVATIONS

WHILE DRILLING ▽: 7.3 ft. bgl
AT COMPLETION ▼:
AFTER DRILLING
CAVE-IN: DATE/TIME _____ DEPTH _____
WATER: DATE/TIME _____ DEPTH _____

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

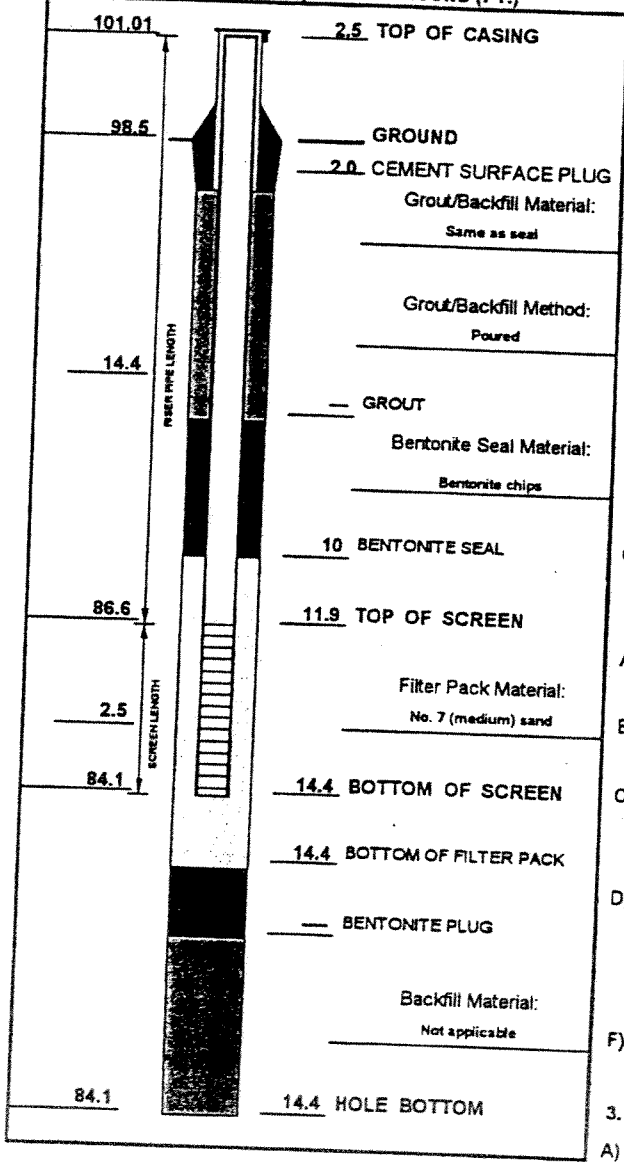
BORING NO.: PFW-2
SHEET NO.: 2 OF 2
PROJECT NO.: 4036.05
INSTALLATION: 3-14-97
SURFACE ELEV.: 98.5
BOREHOLE DIA.: 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	RECOVERY IN	PID	DEPTH		
7	SS	4	20			As above (SP-SC), trace clay, dark yellowish brown 10YR 4/4.	
						WELL-GRADED SAND (SW), fine to coarse, trace silt, trace clay, dark yellowish brown becoming dark grayish brown @ 13.4' with black steaks, diesel hydrocarbon odor.	
						SANDY LEAN CLAY (CL), some sand, trace fine to coarse gravel, slightly plastic, dark grayish brown, moist, hard (Pp > 4).	
					15	End of boring at 14 feet.	
					20		

RMT INC.

WELL CONSTRUCTION DIAGRAM

PROJECT:	Peregrine - Flint					WELL NO.:	PFW-2
PROJ. NO:	4036.05	DATE INSTALLED:	3-14-97	OBSV. BY:	DPR	CHECKED BY:	DPR



1. CASING AND SCREEN DETAILS:

A) Type Of Pipe: 2" PVC — Pipe Schedule: 40

B) Pipe Joints: Flush with O-ring

C) Solvent Used? No

D) Screen Type: 2" with machined slots, flush joint — Screen Slot Size: 0.01"

E) Borehole Diameter: 8 In. From 0 To 14 Ft.
___ In. From ___ To ___ Ft.

F) Surf. Casing Diameter: ___ In. From ___ To ___ Ft.
2nd Surface Casing: ___ In. From ___ To ___ Ft.

G) Installed Protective Cover W/ Lock? Yes

2. WELL DEVELOPMENT:

A) Method: Surge/pump with Bremer check valve

B) Time Spent Developing: 1 Hours

C) Water Removed: 27 Gallons
Added: 0 Gallons

D) Water Clarity Before/After Development:
Before: Opaque, brown
After: Slightly turbid (approximately 100 NTU)

F) Odor (Descr. if present) diesel range hydrocarbons

3. WATER LEVEL SUMMARY:

A) After Developing: ___ Ft. Below Top Of Casing

B) Other Date/Time: 3-31-97/0946 6.74 Ft.
Other Date/Time: ___ Ft.

Notes:

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-4
LOCATION	FLINT, MICHIGAN	SHEET NO.	1 OF 3
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-17-97
		SURFACE ELEV.	99.8
		BOREHOLE DIA.	8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCTION
INTERVAL NO.	TYPE	RECOVERY N	RECOVERY IN	PID	DEPTH		
						Concrete.	
1	SS	23	18	0.2		Fill: sand and gravel, few fines, pale brown, moist.	
						SANDY LEAN CLAY WITH GRAVEL (CL), some fine to coarse sand, little fine gravel, slightly plastic, brown 10YR 4/3 with pale brown along occasional silt partings and fractures, some dark yellowish brown mottling, no odor, moist, hard (Pp > 4).	
2	SS	31	24	0			
						Silt and silty sand stringers at 4.4 feet.	
3	SS	29	24		5	SANDY LEAN CLAY (CL) as above to 4.4 feet, wet sand parting at 4.8 feet.	
						As above (CL), some dark yellowish brown along fractures, occasional wet	

GENERAL NOTES

DATE STARTED	17 MAR 97
DATE COMPLETED	17 MAR 97
RIG	CME LC 60
CREW CHIEF	M. HEFFERAN
LOGGED	DPR CHECKED LPL

WATER LEVEL OBSERVATIONS

WHILE DRILLING	▽ none observed
AT COMPLETION	▽
AFTER DRILLING	
CAVE-IN: DATE/TIME	DEPTH
WATER: DATE/TIME	DEPTH

ENVIRONMENTAL AUDIT REPORT
PRIVILEGED DOCUMENT

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-4
LOCATION	FLINT, MICHIGAN	SHEET NO.	2 OF 3
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-17-97
		SURFACE ELEV.	99.8
		BOREHOLE DIA.	8 IN.

SAMPLING NOTES				PID	DEPTH	VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN				
						sand partings, very stiff.	
4	SS	21	24			As above (CL).	
						SILTY SAND (SM), brown, wet, laminated.	
						SANDY LEAN CLAY as above to 7.3 feet, very stiff to hard.	
5	SS	30	24			SILT (ML), little clay, few fine sand, brown with dark yellowish brown mottling, wet, nonlaminated.	
					10	SANDY LEAN CLAY WITH GRAVEL (CL), slightly plastic, dark grayish brown 10YR 4/2 with dark yellowish brown along fractures, moist, very stiff, sand partings.	
						SILT (ML), some clay, few sand, mottled dark grayish brown and dark yellowish brown, moist.	
6	SS	28	24			SANDY LEAN CLAY WITH GRAVEL (CL), slightly plastic, dark grayish brown 10YR 4/2 with dark yellowish brown along fractures, moist, very stiff, sand partings.	
						SILTY SAND (SM), fine to medium, trace clay, brown, wet.	
						SANDY LEAN CLAY WITH GRAVEL (CL), dark grayish brown, slightly plastic, 10YR 4/2, moist, very stiff.	
						SILT (ML), mottled grays and dark yellowish brown, moist to wet, nonlaminated, fractured.	

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-4
LOCATION	FLINT, MICHIGAN	SHEET NO.	3 OF 3
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-17-97
		SURFACE ELEV.	99.8
		BOREHOLE DIA.	8 IN.

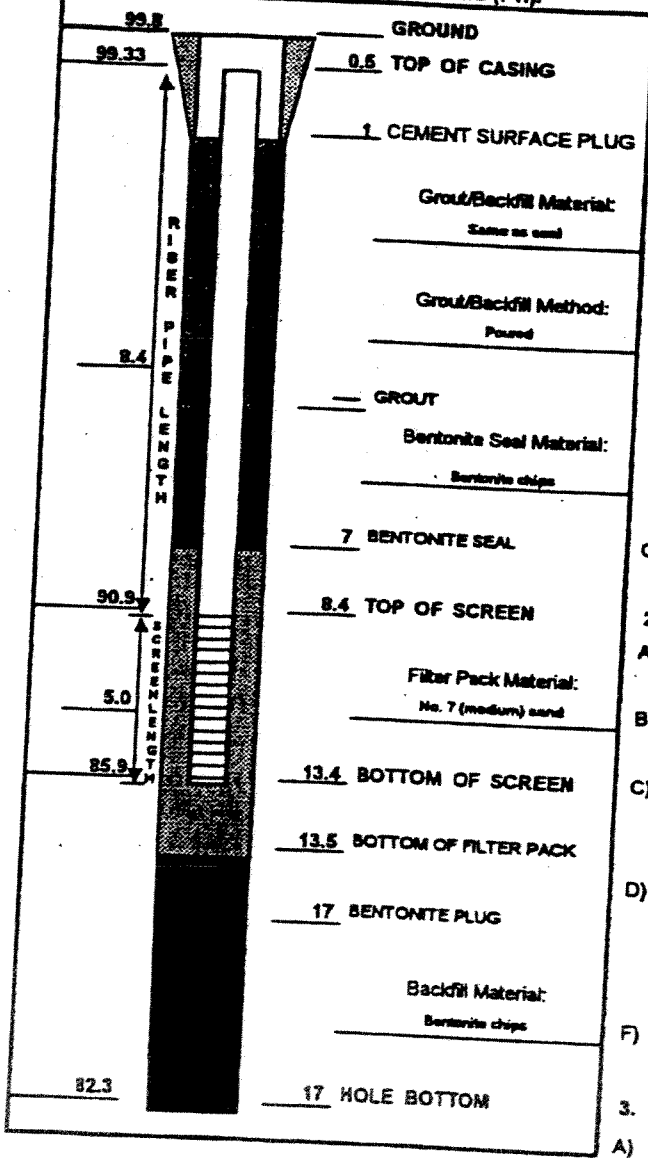
SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
7	SS	44	24			SANDY LEAN CLAY (CL), brown to dark yellowish brown, hard.	
						SILT (ML), little clay, few fine sand, brown, nonlaminated, moist to wet.	
						SILTY SAND (SM), trace clay, brown to dark yellowish brown to dark grayish brown, stratified.	
8	SS	16	24		15	SANDY LEAN CLAY (CL), dark grayish brown, moist.	
						SILTY SAND (SM), trace clay, dark grayish brown, wet, stratified.	
						SANDY LEAN CLAY (CL), some sand, few fine gravel, medium plastic, dark gray 10YR 4/1, moist, very stiff (Pp = 3.0).	
						End of boring at 17 feet.	
					20		

ENVIRONMENTAL AUDIT REPORT
PRIVILEGED DOCUMENT

RMT INC.

WELL CONSTRUCTION DIAGRAM

PROJECT:	Peregrine - Flint					WELL NO.:	PFW-4
PROJ. NO:	4036.05	DATE INSTALLED:	3-17-97	OBSV. BY:	DPR	CHECKED BY:	DPR



1. CASING AND SCREEN DETAILS:

A) Type Of Pipe: 2" PVC — Pipe Schedule: 40

B) Pipe Joints: Flush with O-ring

C) Solvent Used? No

D) Screen Type: 2" with machined slots, flush joint — Screen Slot Size: 0.01"

E) Borehole Diameter: 8 In. From 0 To 15 Ft.
3 In. From 15 To 17 Ft.

F) Surf. Casing Diameter: ____ In. From ____ To ____ Ft.
2nd Surface Casing: ____ In. From ____ To ____ Ft.

G) Installed Protective Cover W/ Lock? Yes

2. WELL DEVELOPMENT:

A) Method: Gently bail

B) Time Spent Developing: 1 Hours

C) Water Removed: 7.1 Gallons
Added: 0 Gallons

D) Water Clarity Before/After Development:
Before: Clear
After: Slightly turbid (approximately 50 NTU)

F) Odor (Descr. if present) None

3. WATER LEVEL SUMMARY:

A) After Developing: ____ Ft. Below Top Of Casing

B) Other Date/Time: 3-31-97/1240 5.52 Ft.

Other Date/Time: ____ Ft.

Notes:

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

BORING NO.: PFW-9
SHEET NO.: 1 OF 2
PROJECT NO.: 4036.05
INSTALLATION: 3-19-97
SURFACE ELEV.: 98.8
BOREHOLE DIA.: 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
1	SS	7	20	0		SANDY LEAN CLAY (CL), some fine to coarse sand, few fine to coarse gravel, slightly plastic, mottled brown, dark yellowish brown, and gray, moist, very stiff to hard, fractured (Glacial Till).	
2	SS	13	24	0		As above (CL).	
						WELL-GRADED SAND (SW), fine to coarse, trace silt, trace clay, dark yellowish brown 10YR 3/6, moist.	
						SILT (ML), dark yellowish brown, moist, laminated.	
3	SS	6	20	0		WELL-GRADED SAND (SW), fine to coarse, trace silt, trace clay, dark yellowish brown 10Y R3/6, moist.	
					▽ 5		
4	SS	5	20	0		SANDY LEAN CLAY (CL), few fine to coarse gravel, slightly plastic, brown, moist, stiff (Pp = 1.5), abundant moist to wet sand partings below 5 feet (Glacial Till).	
5	SS	8	19	0		As above (CL), very stiff (Pp = 2.2).	
						PEAT, black humic material, some plant fragments, no odor.	
6	SS	16	24	0	10	SANDY LEAN CLAY (CL), brown 10YR 4/3 with yellowish brown and gray mottling and fractures, moist, hard.	

GENERAL NOTES

DATE STARTED: 19 MAR 97
DATE COMPLETED: 19 MAR 97
RIG: CME LC 60
CREW CHIEF: M. HEFFERAN
LOGGED: DPR CHECKED: LPL

WATER LEVEL OBSERVATIONS

WHILE DRILLING ▽: 5.0 ft. bgl
AT COMPLETION ▼:
AFTER DRILLING
CAVE-IN: DATE/TIME _____ DEPTH _____
WATER: DATE/TIME _____ DEPTH _____

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

BORING NO.: PFW-9
SHEET NO.: 2 OF 2
PROJECT NO.: 4036.05
INSTALLATION: 3-19-97
SURFACE ELEV.: 98.8
BOREHOLE DIA.: 8 IN.

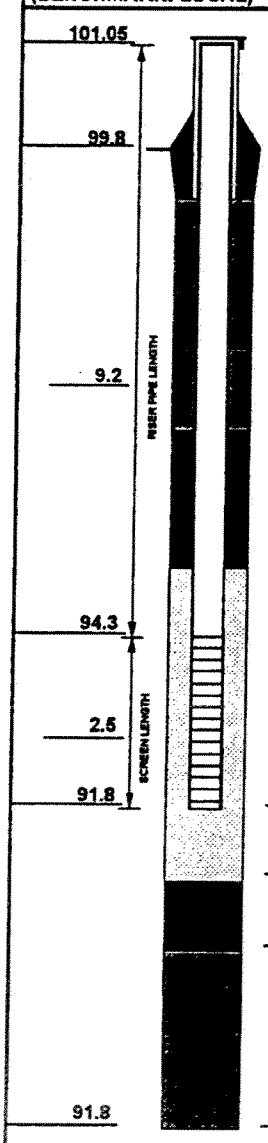
SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
7	SS	17	24	0		As above (CL), very stiff (Pp = 3.5 to 4.0), olive brown, continued mottling.	
						As above (CL).	
8	SS	37	24	0			
					15	As above (CL), hard (Pp > 4.5), mostly brown 10YR 4/3, gray along fractures.	
9	SS	39	24	0		As above (CL), fewer fractures.	
10	SS	46	24	0		As above (CL).	
					20	End of boring at 20 feet. Original boring backfilled with bentonite slurry. Moved 5 feet northwest to install well.	

ENVIRONMENTAL AUDIT REPORT.
PRIVILEGED DOCUMENT

RMT INC.

WELL CONSTRUCTION DIAGRAM

PROJECT:	Peregrine - Flint					WELL NO.:	PFW-9
PROJ. NO:	4036.05	DATE INSTALLED:	3-19-97	OBSV. BY:	DPR	CHECKED BY:	DPR



1. CASING AND SCREEN DETAILS:

A) Type Of Pipe: 2" PVC — Pipe Schedule: 40

B) Pipe Joints: Flush with O-ring

C) Solvent Used? No

D) Screen Type: 2" with machined slots, flush joint — Screen Slot Size: 0.01"

E) Borehole Diameter: 8 In. From 0 To 8.5 Ft.
___ In. From ___ To ___ Ft.

F) Surf. Casing Diameter: ___ In. From ___ To ___ Ft.
2nd Surface Casing: ___ In. From ___ To ___ Ft.

G) Installed Protective Cover W/ Lock? Yes

2. WELL DEVELOPMENT:

A) Method: Gently bail

B) Time Spent Developing: 0.2 Hours

C) Water Removed: 1.5 Gallons
Added: 0 Gallons

D) Water Clarity Before/After Development:
Before: Clear
After: Slightly turbid, light brown

F) Odor (Descr. if present) None

3. WATER LEVEL SUMMARY:

A) After Developing: ___ Ft. Below Top Of Casing

B) Other Date/Time: 3-21-97/1515 dry Ft.
Other Date/Time: 3-31-97/0938 8.53 Ft.

Notes:

LOG OF TEST BORING

F-203 (R 01-87)

RMT

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-10
LOCATION	FLINT, MICHIGAN	SHEET NO.	1 OF 2
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-20-97
		SURFACE ELEV.	100.5
		BOREHOLE DIA.	8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
1	SS	11	15	0.1		Asphalt. Fill: fine to medium sand, little coarse gravel, dark yellowish brown, moist to wet.	
2	SS	12	20	0.2		SANDY LEAN CLAY (CL), some fine to coarse sand, few fine to coarse gravel, slightly plastic, brown 10YR 4/3 with some gray mottling along fractures, moist, hard (Pp > 4.5) (Glacial Till).	
3	SS	18	24	0		As above (CL), very dark gray 10YR 3/1 to olive brown 2.5Y 3/6 to grayish brown 10YR 4/2, stiff to very stiff (Pp = 1.5 to 2.5).	
					5	As above (CL), brown 10YR 4/3, hard (Pp = 4.4) below 5 feet.	
4	SS	29	24	0		As above (CL), less gray mottling below 7 feet.	
5	SS	29	24	0		As above (CL), (Pp = 4.0 to 4.5), fracture from 9.2 to 9.8 ft.	
6	SS	24	24	0	10	As above (CL), fracture 11.5 to 11.8'.	

GENERAL NOTES

DATE STARTED	20 MAR 97
DATE COMPLETED	20 MAR 97
RIG	CME LC 60
CREW CHIEF	M. HEFFERAN
LOGGED	DPR CHECKED LPL

WATER LEVEL OBSERVATIONS

WHILE DRILLING ▽	13.8 ft. bgl
AT COMPLETION ▼	
AFTER DRILLING	
CAVE-IN: DATE/TIME	DEPTH
WATER: DATE/TIME	DEPTH

LOG OF TEST BORING

F-203 (R 01-87)

RMT

PROJECT NAME	PEREGRINE FLINT	BORING NO.	PFW-10
LOCATION	FLINT, MICHIGAN	SHEET NO.	2 OF 2
CONTRACTOR	STEARNS DRILLING CO	PROJECT NO.	4036.05
DRILLING METHOD	4.25" HSA	INSTALLATION	3-20-97
		SURFACE ELEV.	100.5
		BOREHOLE DIA.	8 IN.

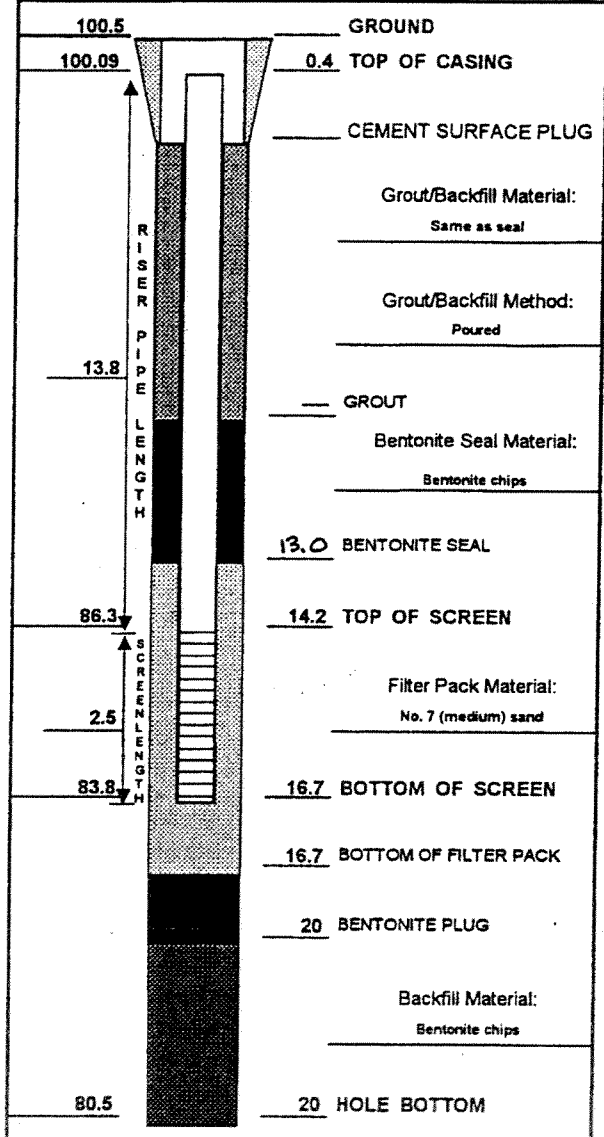
SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
7	SS	24	22	0		As above (CL), areas of dark grayish brown below 12.2 ft, very stiff (Pp = 2.5 to 3.5).	
8	SS	19	24	0	▽	<— Wet sand parting at 13.8 feet.	
					15	As above (CL), dark gray 10YR 4/1, stiff (Pp = 1.7).	
9	SS	14	24	0		As above (CL).	
10	SS	13	24	0		As above (CL).	
					20	End of boring at 20 feet.	

RMT INC.

WELL CONSTRUCTION DIAGRAM

PROJECT:	Peregrine - Flint					WELL NO.:	PFW-10
PROJ. NO:	4036.05	DATE INSTALLED:	3-20-97	OBSV. BY:	DPR	CHECKED BY:	

ELEVATION: (BENCHMARK: LOCAL)	DISTANCE BELOW OR ABOVE GROUND (FT.):



1. CASING AND SCREEN DETAILS:

A) Type Of Pipe: 2" PVC — Pipe Schedule: 40

B) Pipe Joints: Flush with O-ring

C) Solvent Used? No

D) Screen Type: 2" with machined slots, flush joint — Screen Slot Size: 0.01"

E) Borehole Diameter: 8 In. From 0 To 18 Ft.
3 In. From 18 To 20 Ft.

F) Surf. Casing Diameter: ____ In. From ____ To ____ Ft.
2nd Surface Casing: ____ In. From ____ To ____ Ft.

G) Installed Protective Cover W/ Lock? Yes

2. WELL DEVELOPMENT:

A) Method: Gently bail

B) Time Spent Developing: 0.2 Hours

C) Water Removed: 1.5 Gallons
Added: 0 Gallons

D) Water Clarity Before/After Development:
Before: Slightly turbid, light brown
After: Clear

F) Odor (Descr. if present) None

3. WATER LEVEL SUMMARY:

A) After Developing: ____ Ft. Below Top Of Casing

B) Other Date/Time: 3-20-97/1145 dry Ft.
Other Date/Time: 3-31-97/1410 11.67 Ft.

Notes:

LOG OF TEST BORING

F-203 (R 01-87)

BORING NO. PFW-11
SHEET NO. 1 OF 2

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

PROJECT NO.: 4036.05
INSTALLATION: 3-20-97
SURFACE ELEV.: 101.3
BOREHOLE DIA.: 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
						Asphalt and concrete.	
						Fill: medium sand, dark yellowish brown, moist.	
1	SS	19	18	0		SANDY LEAN CLAY (CL), some fine to coarse sand, few fine to coarse gravel, slightly plastic, brown 10YR 4/3 with some yellowish brown mottling and gray along fractures, moist, hard (Pp > 4.5) (Glacial Till).	
2	SS	23	24	0			
3	SS	24	24	0		As above (CL).	
					5	SILT (ML), dark yellowish brown, moist, stratified.	
						LEAN CLAY (CL), dark grayish brown, hard, moist, laminated.	
						SILT (ML), brown, moist, laminated.	

GENERAL NOTES

DATE STARTED: 20 MAR 97
DATE COMPLETED: 20 MAR 97
RIG: CME LC 60
CREW CHIEF: M. HEFFERAN
LOGGED: DPR CHECKED: LPL

WATER LEVEL OBSERVATIONS

WHILE DRILLING ▽ 6.9 ft. bgl
AT COMPLETION ▽
AFTER DRILLING
CAVE-IN: DATE/TIME _____ DEPTH _____
WATER: DATE/TIME _____ DEPTH _____

LOG OF TEST BORING

F-203 (R 01-87)

PROJECT NAME: PEREGRINE FLINT
LOCATION: FLINT, MICHIGAN
CONTRACTOR: STEARNS DRILLING CO
DRILLING METHOD: 4.25" HSA

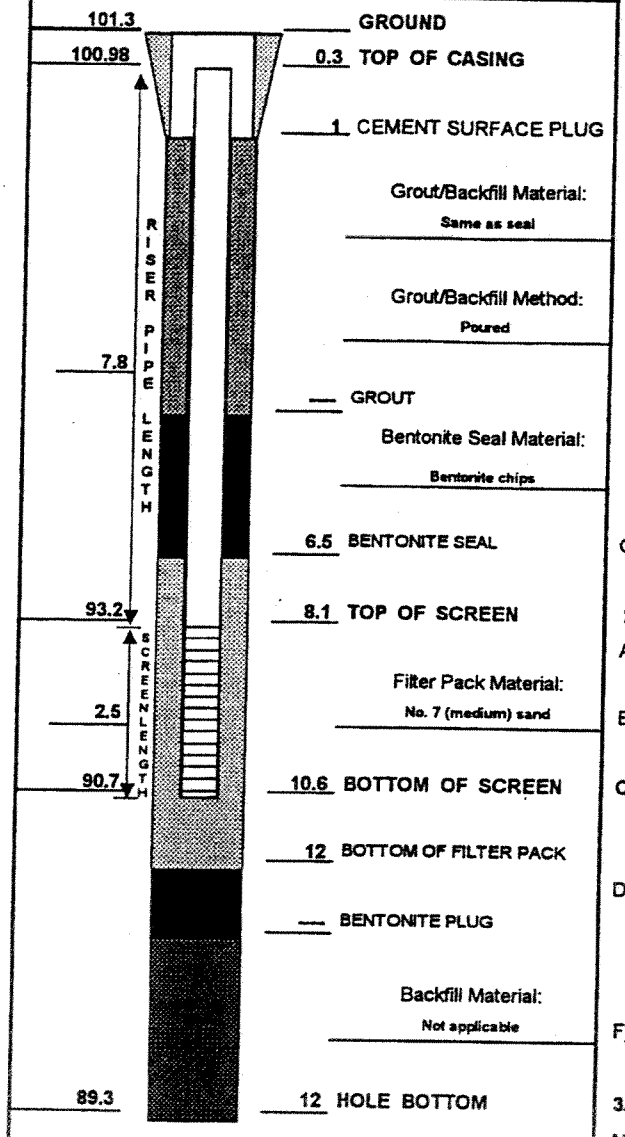
BORING NO.: PFW-11
SHEET NO.: 2 OF 2
PROJECT NO.: 4036.05
INSTALLATION: 3-20-97
SURFACE ELEV.: 101.3
BOREHOLE DIA.: 8 IN.

SAMPLING NOTES						VISUAL CLASSIFICATION AND GENERAL OBSERVATIONS	GENERAL WELL CONSTRUCT.
INTERVAL NO.	TYPE	RECOVERY N	IN	PID	DEPTH		
4	SS	19	20	0		SILTY SAND (SM), fine, very pale brown 10YR 7/3, moist.	
						SANDY LEAN CLAY (CL), gray 10YR 5/1, moist, very stiff.	
					▽	SANDY SILT (ML), little fine sand, gray 10YR 5/1, moist to wet, stratified and laminated.	
5	SS	21	24			As above (ML).	
						POORLY-GRADED SAND (SP), wet.	
						SANDY SILT (ML), wet.	
						POORLY-GRADED SAND (SP), wet.	
						SILT (ML), wet.	
6	SS	14	20		10	SANDY SILT (ML), wet.	
						POORLY-GRADED SAND (SP), wet.	
						SANDY SILT (ML), wet.	
						SANDY LEAN CLAY (CL), some fine to coarse sand, few fine to coarse gravel, slightly plastic, dark gray 10YR 4/1, moist, very stiff (Pp = 3.3).	
						End of boring at 12 feet.	

RMT INC.

WELL CONSTRUCTION DIAGRAM

PROJECT:	Peregrine - Flint					WELL NO.:	PFW-11
PROJ. NO:	4036.05	DATE INSTALLED:	3-20-97	OBSV. BY:	DPR	CHECKED BY:	DPR



1. CASING AND SCREEN DETAILS:

A) Type Of Pipe: 2" PVC — Pipe Schedule: 40

B) Pipe Joints: Flush with O-ring

C) Solvent Used? No

D) Screen Type: 2" with machined slots, flush joint — Screen Slot Size: 0.01"

E) Borehole Diameter: 8 In. From 0 To 11 Ft.
3 In. From 11 To 12 Ft.

F) Surf. Casing Diameter: ____ In. From ____ To ____ Ft.
2nd Surface Casing: ____ In. From ____ To ____ Ft.

G) Installed Protective Cover W/ Lock? Yes

2. WELL DEVELOPMENT:

A) Method: Gently bail

B) Time Spent Developing: 0.3 Hours

C) Water Removed: 1.6 Gallons
Added: 0 Gallons

D) Water Clarity Before/After Development:
Before: Slightly turbid, light brown
After: Moderately turbid, light brown

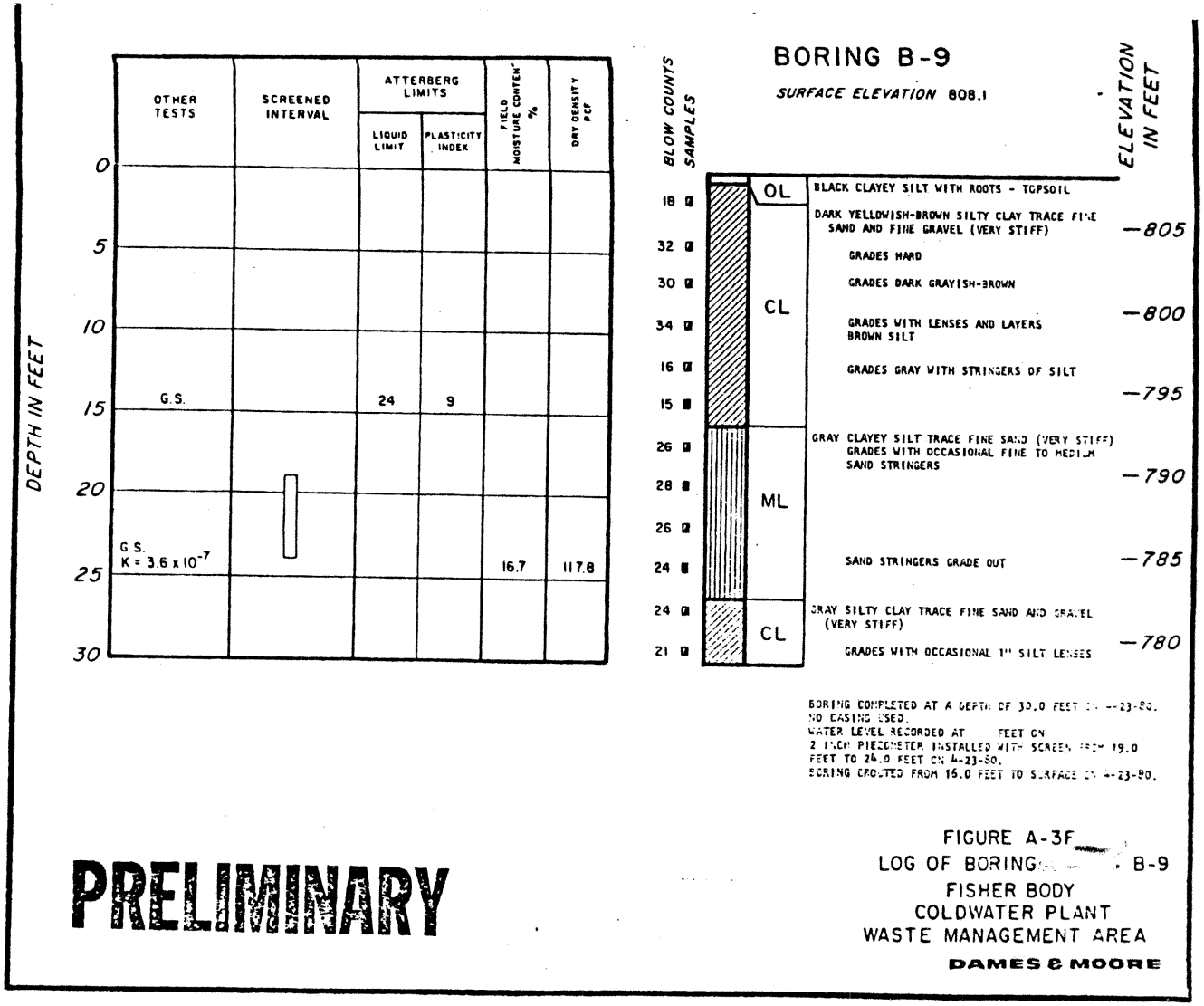
F) Odor (Descr. if present) None

3. WATER LEVEL SUMMARY:

A) After Developing: (dry) Ft. Below Top Of Casing

B) Other Date/Time: 3-20-97/1400 7.2 Ft.
Other Date/Time: 3-31-97/1406 1.57 Ft.

Notes:



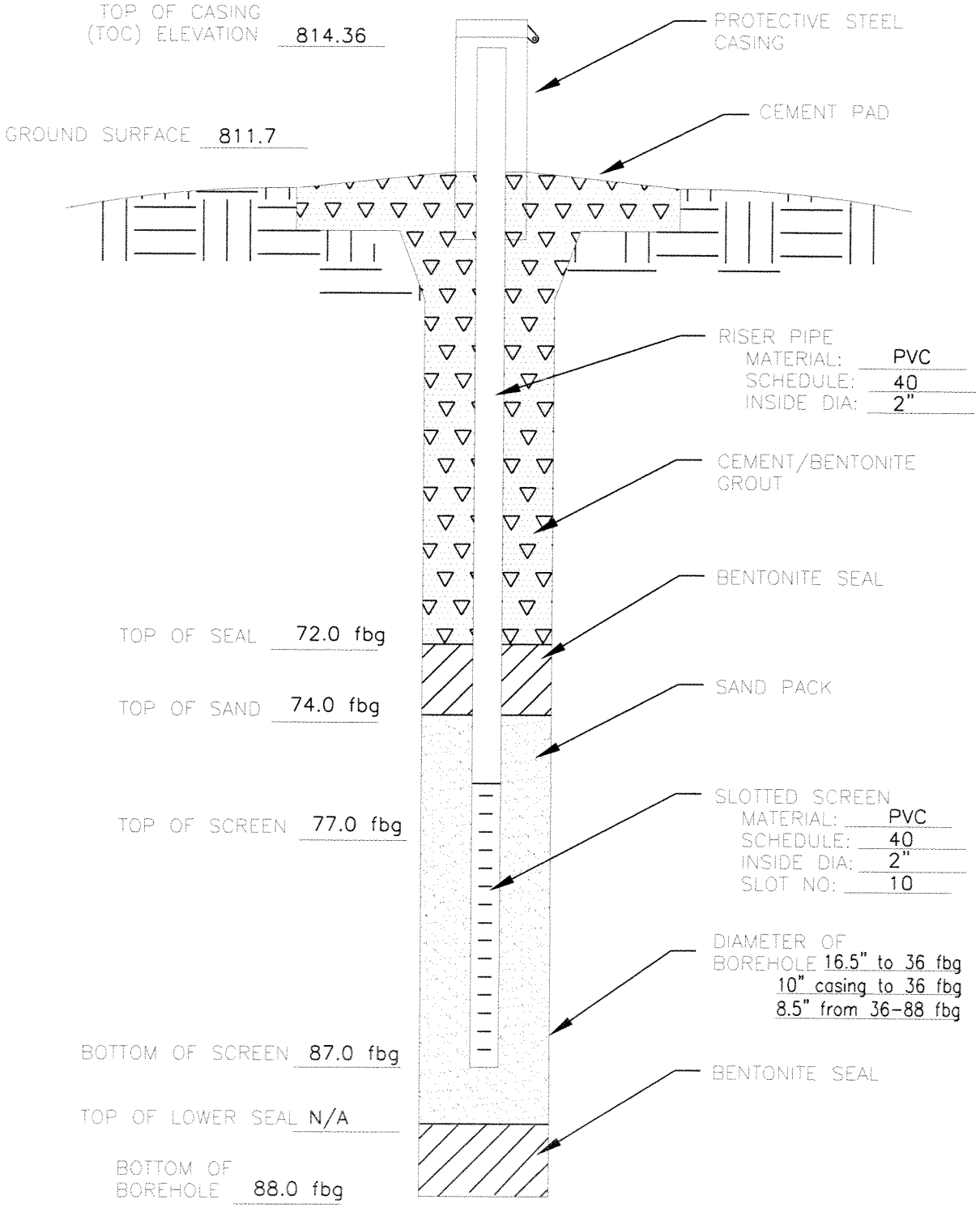
00299-052-07

PRELIMINARY

FIGURE A-3F
LOG OF BORING B-9
FISHER BODY
COLDWATER PLANT
WASTE MANAGEMENT AREA

DAMES & MOORE

O'BRIEN & GERE



COLDWATER ROAD LANDFILL
FLINT, MICHIGAN
MONITORING WELL B-27D

i\projects\4966\36295\rprts\LF Leak Detection\B29.dwg

O'BRIEN & GERE ENGINEERS, INC.

SOIL BORING LOG

BORING I.D.: B-27D

CLIENT:	REALM
PROJECT NAME:	Zinc Assessment
PROJECT LOCATION:	Coldwater Road Landfill
FILE NO.:	4966/36295 #4
BORING COMPANY:	Mateco
FOREMAN:	John Pitsch
OBG GEOLOGIST:	Mike Robison
Boring Location:	South side of landfill, approximately 10 ft east of B-23DR
Drilling equipment:	CME-750 (ATV rig)
Sampling equipment:	2 ft length stainless steel split barrel
Borehole Diameter:	14 inches (grade to 36 fbg); 8 inches (36 to 88 fbg)
Total Depth:	88 fbg
Start date:	11/9/2005
Completion date:	11/14/2005

Surface Elevation (ft MSL):
Top of Casing Elevation (ft MSL):
Depth to ground water: 80.5 fbg (11/16/05)

LEGEND: Cement/grout; #0 Sand Pack; Bentonite seal; Screen; Riser

DEPTH BELOW GRADE	CORE INTERVAL (ft bg)	PENETR/ RECOVERY (ft bg)	Blow Counts	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIPT	Equipment Installed	Field Testing: PID Headspace	Field Testing: Notes
24				Augered from surface to 26 fbg (no split barrels collected). Refer to boring log B-23DR for soil descriptions from surface to 26 fbg.				
25								
26	26 - 28	Full	2	medium gray (N5), moist, silty CLAY	26' CL			
			4					
27			4					
			6	medium gray (N5), wet, clayey SILT	27.5' ML			
28	28 - 30	Full	3				0.0	
			4	medium gray (N5), moist, silty CLAY	28.5' CL			
29			6					
			7					
30	30 - 32	Full	3	medium gray (N5), moist, silty CLAY, medium plasticity	30'			
			5					
31			6					
			9					
32	32 - 34	Full	4	medium gray (N5), moist, silty CLAY, trace small gravel	32'		0.0	
			5					
33			6					
			9					
34	34 - 36	Full	3					
			4					
35			6					
			9					
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46	46 - 48	Full	4	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	46'		0.0	
			6					
47			6					
			9					
48								
49								
50								
51								
52								
53	53-55	Full	5	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	53'		0.0	
			7					
54			8					
			9					
55								
56								
57								
58								
59								
60	60 - 62	Full	5	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	60'		0.0	
			6					
61			6					
			10					
62								
63								
64								
65								
66								
67	67-69	Full	5	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	67'		0.0	
			6					
68			10					
			11					
69								

O'BRIEN & GERE ENGINEERS, INC.

SOIL BORING LOG

BORING I.D.: B-27D

CLIENT:	REALM
PROJECT NAME:	Zinc Assessment
PROJECT LOCATION:	Coldwater Road Landfill
FILE NO.:	4966/36295 #4
BORING COMPANY:	Mateco
FOREMAN:	John Pitsch
OBG GEOLOGIST:	Mike Robison
Boring Location:	South side of landfill, approximately 10 ft east of B-23DR
Drilling equipment:	CME-750 (ATV rig)
Sampling equipment:	2 ft length stainless steel split barrel
Borehole Diameter:	14 inches (grade to 36 fbg); 8 inches (36 to 88 fbg)
Total Depth:	88 fbg
Start date:	11/9/2005
Completion date:	11/14/2005

Surface Elevation (ft MSL):
Top of Casing Elevation (ft MSL):
Depth to ground water: 80.5 fbg (11/16/05)

LEGEND: Cement/grout; #0 Sand Pack; Bentonite seal; === Screen; Riser

DEPTH BELOW GRADE	CORE INTERVAL (ft bg)	PENETR/ RECOVERY (ft bg)	Blow Counts	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIPT	Equipment Installed	Field Testing: PID Headspace	Field Testing: Notes
70								
71								
72	72 - 74	Full	4	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	72'		0.0	
			7					
73			9					
			11					
74	74-76	Full	7	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	74'		0.0	
			9					
75			12					
			15					
76	76-78	Full	5	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	76'		0.0	
			8					
77			13					
			16					
78	78-80	Full	8	medium gray (N5), damp, silty CLAY, medium plasticity, trace gravel	78'			
			10					
79			12					
			18	medium gray (N5), wet, SILT	79.5' OL			
80	80-82	Full	10					
			12					
81			15					
			18					
82	82-84	Full	7	medium gray (N5), wet very fine SAND and SILT	82'			
			3					
83			7					
			14					
84	84-86	Full	7	medium gray (N5),grey,wet, SILT	84' OL			
			11	medium gray (N5), soft, silty CLAY	84.5' CL			
85			11	medium gray (N5), wet, SILT	85' OL			
			14					
86	86-88	Full	5	medium gray (N5), moist, silty CLAY	86' CL			
			4					
87			5					
			7					

Notes:

1. Soil boring augered to 26'; began collecting splitspoons (4.25" augers) at 26 fbg.
2. At 36 fbg, pulled 4.25' augers and advanced 12.25" augers (grade to 36 fbg) to install 10-inch diameter steel casing in borehole. Used tremie-pipe to fill annulus between steel casing and borehole with cement.
3. Subsequent to soil sampling activities, a monitoring well was constructed of 2 inch diameter Schedule 40 PVC flush-threaded to a 10 ft length of No. 10 slot PVC well screen extending from 77 to 87 fbg.
4. Monitoring well B-27 was completed with an approximate 2.5 ft above-grade casing, covered with a steel-protective outer casing.

ATTACHMENT B

DATA VALIDATION REPORT

CONESTOGA-ROVERS & ASSOCIATES

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www.CRAworld.com

MEMORANDUM

TO:	Mike Tomka	REF. NO.:	12636
FROM:	Rawa Fleisher/rr/158/Det	DATE:	January 28, 2010
RE:	Data Quality Assessment and Full Validation Groundwater Monitoring – November-December 2010 Motors Liquidation Company (MLC) - Peregrine Site Genesee County, Michigan		

The following details a quality assessment and validation of the analytical data resulting from the November-December 2010 collection of 14 groundwater, and three (3) quality control samples from the MLC Peregrine Site in Genesee County, Michigan. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed at Test America Laboratories, Inc, in North Canton, OH (TA-NC) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods and the quality assurance project plan (QAPP). Application of quality assurance criteria was consistent with following guidance documents:

i. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA-540/R-99/008, October 1999;

ii. "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", EPA-540/R-94/013, February 1994.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

Sample Quantitation

The laboratory reported detected concentrations of volatile organic compounds (VOC), and inorganics below the laboratory's report limit (RL) but above the laboratory's method detection limit (MDL). The laboratory flagged these sample concentrations with a "J" or a "B" for organics and inorganics, respectively. These concentrations should be qualified as estimated (J) values unless qualified otherwise in this memorandum. The laboratory "B" flags may be disregarded.

Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass Calibration (Instrument Performance Check) – Organic Analyses

To ensure adequate mass resolution, identification, and to some degree, sensitivity; the performance of each GC/MS instrument used for volatile organic compounds (VOC) analyses was checked at the beginning of

Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass
Calibration (Instrument Performance Check) – Organic Analyses – (continued)

each 12-hour period using bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the NFGs before initiating an analysis sequence.

Instrument performance check data were reviewed. These tuning compounds were analyzed at the required frequency throughout the VOC analyses. The results of all instrument performance checks were within the acceptance criteria, indicating acceptable instrument performance.

Initial Calibration – Organic Analyses

Initial calibration data are used to demonstrate that each instrument is capable of generating acceptable quantitative data. A five point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each over a specific concentration range.

Initial calibration criteria for organic analyses are evaluated against the following criteria:

i. GC/MS (all compounds) – must meet a minimum mean relative response factor (RRF) of 0.05 ;
ii. GC/MS (all compounds) – the percent relative standard deviation (RSD) values must not exceed 30.0 percent or a minimum coefficient of determination of 0.99 if quadratic equation calibration curves are used; and

Calibration standards were analyzed at the required frequency and the results met the above criteria for linearity and sensitivity.

Continuing Calibration – Organic Analyses

To ensure that each instrument was capable of producing acceptable quantitative data over the analysis period, continuing calibration standards must be analyzed every 12 hours for GC/MS analyses and every 10 samples by GC. The following criteria are employed to evaluate the continuing calibration data:

i. GC/MS (all compounds) – must meet a minimum mean RRF of 0.05 ;
ii. GC/MS (all compounds) – the percent difference between the mean initial calibration RRF and the continuing calibration RRF must not exceed 25 percent;
iii. GC/MS (compounds determined by quadratic curve) – the percent drift between the true value and the continuing calibration value must not exceed 25 percent;

Calibration standards were analyzed at the required frequency and the results met the above criteria for instrument sensitivity and linearity of response and sensitivity with the exception of the qualified samples presented in Table 3.

Inductively Coupled Plasma/Mass Spectrometer (ICP/MS) –
Mass Calibration and Resolution Checks – Metal Analyses

To ensure adequate mass resolution, identification, and to some degree, sensitivity; the performance of each ICP/MS instrument used for metals analyses was checked prior to calibration before initiating an analysis sequence through the analysis of a tuning solution. The results of the tuning solution analysis were reviewed against the following criteria:

i. Analyze tuning solution a minimum of four times with a percent RSD of less than or equal to five for the analytes contained in the tuning solution; and

ii. The mass resolution must be within 0.1 amu of the true value over the analytical range

Instrument performance check data were reviewed. The tuning solution was analyzed at the required frequency throughout the analyses. The results of all instrument performance checks were within the acceptance criteria, indicating acceptable instrument performance.

Initial Calibration – Inorganic Analyses

The initial calibration includes a blank and at least one standard for inductively coupled plasma (ICP) and ICP/MS to establish the analytical curve. Mercury analysis by cold vapor atomic absorption spectroscopy (CVAA) and cyanide analysis by spectrophotometry requires the analysis of a calibration blank and a minimum of five standards to establish the calibration curve. The coefficient of variation for calibration curves must exceed 0.995.

Initial calibration is verified with an initial calibration verification (ICV) standard which must recover within 90 to 110 percent for metals by ICP and ICP/MS, 80 to 120 percent for mercury by CVAA and 85 to 115 percent for cyanide by spectrophotometry.

A review of the laboratory data showed that the inorganic initial calibration curves and ICVs were analyzed at the appropriate frequency and were within the acceptance criteria.

Continuing Calibration – Inorganic Analyses

Continuing calibration verification (CCV) standards are analyzed at method specified frequency (one every 10 samples). The CCVs must meet the percent recovery control limits specified above for the ICVs. Criteria for inorganic analyses are the same criteria as used for assessing the initial calibration data.

A review of the laboratory data showed that CCVs were analyzed at the appropriate frequency and the data were within the acceptance criteria.

Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method Blank Samples – (continued)

The samples presented in Table 4 should be qualified due to laboratory contamination. The laboratory flagged the inorganics with a "J" which may be disregarded. The remaining method blank samples did not contain target compounds with concentrations that impacted the investigative samples.

Laboratory Blank Samples – Inorganic Analyses

Metals analyses include the analysis of initial calibration blanks (ICB) and continuing calibration blanks (CCB) to assess the presence and the magnitude of sample contamination introduced during sample analysis. The CCBs are analyzed at a minimum frequency of one every 10 samples and target analytes should be non-detect.

Several ICB and CCBs were reported with detectable concentrations of target analytes. The samples presented in Table 5 should be qualified due to ICB and CCB contamination above the laboratory MDLs. The remaining ICB and CCBs did not contain elements with concentrations that impacted the investigative samples.

Surrogate Compounds – Organic Analyses

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

The surrogate recovery acceptance criteria were met for all samples.

Matrix Spike/Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The inorganic control limits are defined by the methods or the laboratory and the NFG. The samples selected for MS/MSD analysis are identified in Table 1.

In some sample batches, non-Site-specific samples were utilized as MS/MSDs. Qualification of samples associated with these MS/MSDs was not performed. If MS/MSD analyses could not be completed in an analytical batch due to insufficient sample volume; precision and accuracy were verified by the analysis of the laboratory control sample/laboratory control duplicate (LCS/LCD). The samples that should be qualified due to violation of MS/MSD percent recovery criteria and/or RPD are outlined in Table 6. The MS/MSD percent recoveries and associated RPD acceptance criteria were met in the remaining sample analyses.

Laboratory Control Sample/Laboratory Control Duplicate Analyses

The LCS/LCD analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS/LCD percent recoveries were evaluated against method and laboratory established control limits.

Laboratory Control Sample/Laboratory Control Duplicate Analyses – (continued)

The LCS/LCD percent recoveries were within the laboratory control limits or did not warrant qualification, indicating that an acceptable level of overall performance was achieved with the exception of the qualified samples presented in Table 7.

Laboratory precision was verified by the RPD of the LCS/LCD when a matrix spike/matrix spike duplicate was not analyzed.

The RPDs were within the laboratory control limits, indicating that an acceptable level of overall laboratory precision was achieved.

Inductively Coupled Plasma (ICP) Interference Check Sample Analysis – Inorganic Analyses

To verify that proper inter-element and background correction factors had been established by the laboratory for metals analyses, the ICP interference check samples (ICS) are analyzed. The ICSs are evaluated against recovery control limits of 80 to 120 percent.

The ICS analysis results were evaluated for all samples and were within the control limits.

Internal Standard Summaries – Organic Analyses

To correct for variability in the GC/MS response and sensitivity, internal standard (IS) compounds are added to all samples. All results are calculated as a ratio of the compound and associated IS response. Overall instrument stability and performance for VOC analyses were monitored using IS peak area and retention time (RT) data. The IS peak areas and RTs of the samples are required to meet the following criteria:

i. IS area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated continuing calibration standard IS area counts; and

ii. The RT of the IS must not vary by more than plus or minus 30 seconds from the associated continuing calibration standard.

A review of the VOC internal standard data showed that the IS area counts and retention time data were within the acceptance criteria.

Internal Standard Summaries – Inorganic Analyses

To correct for variability in the ICP/MS response and sensitivity, internal standards (IS) are added to all samples. All results are calculated as a ratio of the IS response to the response of the sample. Overall instrument stability and performance for metals analyses was monitored using the IS intensity data which are evaluated against the following criteria:

i. The IS intensities in samples must recover between 30 and 120 percent of the true value; and

ii. The IS intensities in instrument calibration checks (CCVs and CCBs) must recover between 60 and 125 percent of the true value.

Internal Standard Summaries – Inorganic Analyses – (continued)

A review of the ICP/MS metals IS data showed that the IS intensities were within the acceptance criteria.

Serial Dilution – Inorganic Analyses

The percent difference (D) between a serial dilution of a sample for each matrix was monitored to determine physical or chemical interference. A minimum of one sample per 20 investigative samples is analyzed at a five-fold dilution. The serial dilution results must agree within 10 percent D of the original results for samples with detected concentrations greater than 50 times the instrument detection limit.

The percent D acceptance criteria was met with the exception of the qualified samples presented Table 8. The laboratory flagged these concentrations with an "E" flag, which may be disregarded.

Contract Required Detection Limit (CRDL) Analyses – Inorganic Analyses

The instrument calibration near the Contract Required Detection Limit (CRDL) must be verified for each analyte reported. An ICP standard solution at the CRDL (CRI) is evaluated against the control limits provided.

The CRI analysis results were evaluated for all samples and were within the control limits.

Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to identification criteria established by the methods. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

Target Compound Quantitation

The reported quantitation results and detection limits were checked to ensure results reported were accurate. The samples identified in Table 1 were reviewed. No discrepancies were found between the raw data and the sample results reported by the laboratory.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of two (2) field duplicate sample sets and one (1) trip blank sample.

Field Duplicate Samples

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is one times the RL value for water samples.

Field Quality Assurance/Quality Control – (continued)

Table 9 presents the RPDs of detected analytes in duplicate sample sets with qualifiers. The data indicate that an adequate level of precision was achieved for the sampling event.

Trip Blank Samples

To monitor potential cross-contamination of VOC during sample transportation and storage, a trip blank was submitted to the laboratory for VOC analysis with each shipping cooler containing multiple samples.

No target analytes were reported as detected in the trip blank sample that impacted the investigative samples.

System Performance

System performance between various quality control checks was evaluated to monitor for changes that may have caused the degradation of data quality. No technical problems or chromatographic anomalies were observed which would require qualification of the data.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Sample Identification	*Location*	*Matrix*	*QC Samples*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*Analysis/Parameters*		
						TCL VOC	*Site TAL Metals*	*Cyanide - Amenable*
CRA SDG No.: 01	**TA-NC Lot No.: A0L060439**							
GW-12636-112910-BW-001	MW-4-02	water	MS/MSD-P	11/29/2010	9:35:00 AM	X	X	X
GW-12636-112910-BW-002	MW-2-02	water		11/29/2010	11:10:00 AM	X	X	X
GW-12636-120210-BW-004	MW15-10	water		12/2/2010	12:55:00 PM	X	X	X
GW-12636-120210-BW-005	MW16-10	water		12/2/2010	2:30:00 PM	X	X	X
GW-12636-120210-BW-006	PFW-1	water		12/2/2010	3:20:00 PM	X	X	X
GW-12636-120210-BW-007	MW-3-02	water		12/2/2010	3:50:00 PM	X	X	X
GW-12636-120210-BW-008	PFW-9	water		12/2/2010	4:51:00 PM	X	X	X
GW-12636-120210-BW-009	PFW-9	water	DUP (-008)	12/2/2010	4:56:00 PM	X	X	X
GW-12636-120210-BW-010	PFW-11	water		12/2/2010	5:00:00 PM	X	X	X
GW-12636-120210-BW-011	MW-1	water		12/2/2010	5:35:00 PM	X	X	X
GW-12636-120310-BW-012	PFW-2	water		12/3/2010	9:15:00 AM	X	X	X
GW-12636-120310-BW-013	PFW-2	water	DUP (-012)	12/3/2010	9:20:00 AM	X	X	X
GW-12636-120310-BW-014	MW-2	water		12/3/2010	11:18:00 AM	X	X	X
GW-12636-120310-BW-017	B-27D	water		12/3/2010	12:50:00 PM	X	X	X
GW-12636-120310-BW-018	PFW-10	water	MS/MSD	12/3/2010	2:32:00 PM	X	X	X
GW-12636-120310-BW-019	B-9	water		12/3/2010	4:20:00 PM	X	X	X
TB-12636-020	Trip Blank	water	Trip Blank	12/3/2010	---	X		

Notes:

DUP - Field Duplicate Sample of sample in parenthesis
MS/MSD - Matrix Spike/Matrix Spike Duplicate
MS/MSD-P - Matrix Spike/Matrix Spike Duplicate (Partial parameters)
QC - Quality Control
TAL - Target Analyte List
TCL - Target Compound List
VOC - Volatile Organic Compounds

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Parameter	*Method* [1]	*Matrix*	*Holding Time*	*Preservation*
TCL VOC	SW-846 8260	Water	- 14 days from sample collection to completion of analysis.	pH < 2 and Iced, 4 ± 2° C
Metals		Water	- 180 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
Aluminum	SW-846 6010B			
Antimony	SW-846 6020			
Arsenic	SW-846 6010B			
Barium	SW-846 6010B			
Beryllium	SW-846 6010B			
Cadmium	SW-846 6010B			
Chromium	SW-846 6010B			
Cobalt	SW-846 6010B			
Copper	SW-846 6020			
Iron	SW-846 6010B			
Lead	SW-846 6010B			
Manganese	SW-846 6010B			
Nickel	SW-846 6010B			
Selenium	SW-846 6010B			
Silver	SW-846 6020			
Thallium	SW-846 6020			
Vanadium	SW-846 6010B			
Zinc	SW-846 6010B			
Mercury	SW-846 7470A	Water	- 28 days from sample collection to completion of analysis	pH < 2 and Iced, 4 ± 2° C
General Chemistry				
Cyanide (Amenable)	SW-846 9012	Water	- 14 days from sample collection to analysis	Iced, 4 ± 2° C

Notes

[1] Method References:
SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO VIOLATION OF CONTINUING CALIBRATION REQUIREMENTS
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Parameter	*Analyte*	*Calibration Date*	*RRF*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
TCL VOC	Dichlorodifluoromethane	12/8/2010	---	'-89.28	GW-12636-112910-BW-001	1.0 UJ	µg/L
	Trichlorofluoromethane			'-29.27	GW-12636-112910-BW-002	1.0 UJ	µg/L
					GW-12636-120210-BW-004	1.0 UJ	µg/L
					GW-12636-120210-BW-005	1.0 UJ	µg/L
TCL VOC	Methylene chloride	12/8/2010	---	32.59	GW-12636-112910-BW-001	5.0 UJ	µg/L
					GW-12636-112910-BW-002	5.0 UJ	µg/L
					GW-12636-120210-BW-004	5.0 UJ	µg/L
					GW-12636-120210-BW-005	5.0 UJ	µg/L
TCL VOC	1,2-Dibromo-3-chloropropane	12/9/2010	---	43.11	GW-12636-120210-BW-006	1.0 UJ	µg/L
	Bromomethane			'-29.44	GW-12636-120210-BW-007	1.0 UJ	µg/L
					GW-12636-120210-BW-008	1.0 UJ	µg/L
					GW-12636-120210-BW-009	1.0 UJ	µg/L
					GW-12636-120210-BW-010	1.0 UJ	µg/L
					GW-12636-120210-BW-011	1.0 UJ	µg/L
					GW-12636-120310-BW-012	1.0 UJ	µg/L
					GW-12636-120310-BW-013	1.0 UJ	µg/L
					GW-12636-120310-BW-014	1.0 UJ	µg/L
					GW-12636-120310-BW-017	1.0 UJ	µg/L
					GW-12636-120310-BW-018	1.0 UJ	µg/L
					GW-12636-120310-BW-019	1.0 UJ	µg/L
					TB-12636-020	1.0 UJ	µg/L

Notes:

UJ - Non-detect with an Estimated Report Limit

%D - Percent Difference
RRF - Relative Response Factor
TCL - Target Compound List
VOC - Volatile Organic Compounds

TABLE 4

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO METHOD BLANK CONTAMINATION
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Parameter	*Analyte*	*Analysis Date*	*Blank Result*	*Sample ID*	*Qualified Result*	*Units*
Site TAL Metals	Copper	12/09/10	0.58	GW-12636-112910-BW-001	2.5 U	µg/L
				GW-12636-112910-BW-002	2.0 U	µg/L
				GW-12636-120210-BW-006	2.0 U	µg/L
				GW-12636-120310-BW-012	2.0 U	µg/L
				GW-12636-120310-BW-013	2.0 U	µg/L
				GW-12636-120310-BW-018	2.0 U	µg/L
Site TAL Metals	Copper (dissolved)	12/09/10	0.58	GW-12636-120210-BW-005	2.0 U	µg/L
Site TAL Metals	Zinc	12/15/10	5.9	GW-12636-112910-BW-001	20.0 U	µg/L
				GW-12636-120210-BW-004	20.0 U	µg/L
				GW-12636-120210-BW-006	20.0 U	µg/L
				GW-12636-120210-BW-007	20.0 U	µg/L
				GW-12636-120210-BW-009	21.8 UJ	µg/L
				GW-12636-120310-BW-012	20.0 U	µg/L
				GW-12636-120310-BW-013	20.0 U	µg/L
				GW-12636-120310-BW-018	20.0 U	µg/L
				GW-12636-120310-BW-019	21.1 U	µg/L

Notes:

U - Qualified as Not Detected at the report limit
UJ - Qualified non-detect with an Estimated Report Limit

TAL - Target Analyte List

TABLE 5

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO LABORATORY BLANK CONTAMINATION
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Parameter	*Analyte*	*Analysis Date*	*Blank Result*	*Sample ID*	*Qualified Result*	*Units*
Site TAL Metals	Aluminum	12/15/10	27	GW-12636-120210-BW-006	200 U	µg/L
Site TAL Metals	Antimony	12/09/10	0.041	GW-12636-120310-BW-014	2.0 U	µg/L
Site TAL Metals	Antimony (dissolved)	12/09/10	0.041	GW-12636-120210-BW-004	2.0 U	µg/L
Site TAL Metals	Beryllium	12/15/10	0.4	GW-12636-120310-BW-017	1.0 U	µg/L
Site TAL Metals	Chromium	12/15/10	0.5	GW-12636-120210-BW-008	5.0 U	µg/L
Site TAL Metals	Thallium	12/09/10	0.26	GW-12636-112910-BW-001	1.0 U	µg/L
				GW-12636-120210-BW-005	1.0 U	µg/L
				GW-12636-120310-BW-017	1.0 U	µg/L
				GW-12636-120310-BW-019	1.0 U	µg/L

Notes:

U - Qualified as Not Detected at the report limit

TAL - Target Analyte List

TABLE 6

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO OUTLYING
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND/OR RELATIVE PERCENT DIFFERENCE
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Parameter	*Analyte*	*MS %Rec*	*MSD %Rec*	*RPD*	*Control Limits*		*Associated Sample ID*	*Qualified Result*	*Units*
					%Rec	*RPD*			
Site TAL Metals	Mercury	68	64	6.8	69-134	20	GW-12636-112910-BW-001	0.20 UJ	µg/L
							GW-12636-112910-BW-002	0.20 UJ	µg/L
							GW-12636-120210-BW-004	0.20 UJ	µg/L
							GW-12636-120210-BW-005	0.20 UJ	µg/L
							GW-12636-120210-BW-006	0.20 UJ	µg/L
							GW-12636-120210-BW-007	0.20 UJ	µg/L
							GW-12636-120210-BW-008	0.20 UJ	µg/L
							GW-12636-120210-BW-009	0.20 UJ	µg/L
							GW-12636-120210-BW-010	0.20 UJ	µg/L
							GW-12636-120210-BW-011	0.20 UJ	µg/L
							GW-12636-120310-BW-012	0.20 UJ	µg/L
							GW-12636-120310-BW-013	0.20 UJ	µg/L
							GW-12636-120310-BW-014	0.20 UJ	µg/L
							GW-12636-120310-BW-017	0.20 UJ	µg/L
							GW-12636-120310-BW-018	0.20 UJ	µg/L
							GW-12636-120310-BW-019	0.20 UJ	µg/L

Notes:

UJ - Non-detect with an Estimated Report Limit

%Rec - Percent Recovery
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
TAL - Target Analyte List

TABLE 7

SUMMARY OF QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE / LABORATORY CONTROL SAMPLE DUPLICATE RESULTS GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010 MLC PEREGRINE SITE GENESEE COUNTY, MICHIGAN

Parameter	*Analyte*	*LCS Date*	*LCS %Rec*	*LCD %Rec*	*RPD*	*Control Limits*		*Associated Sample ID*	*Qualified Result*	*Units*
						%Rec	*RPD*			
TCL VOC	Methylene chloride	12/08/10	60	62	2.4	66-131	30	GW-12636-112910-BW-001	5.0 UJ	µg/L
								GW-12636-112910-BW-002	5.0 UJ	µg/L
								GW-12636-120210-BW-004	5.0 UJ	µg/L
								GW-12636-120210-BW-005	5.0 UJ	µg/L

Notes:

UJ - Non-detect with an Estimated Report Limit

%Rec - Percent Recovery
LCD - Laboratory Control Spike Duplicate
LCS - Laboratory Control Spike
RPD - Relative Percent Difference
TCL - Target Compound List
VOC - Volatile Organic Compounds

TABLE 8

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO VIOLATION OF ICP SERIAL DILUTION CONTROL LIMITS
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Parameter	*Analyte*	*Serial Dilution Sample ID*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
Site TAL Metals	Zinc	GW-12636-112910-BW-001	26.6	GW-12636-120210-BW-005	121 J	µg/L
				GW-12636-120210-BW-008	54.6 J	µg/L
				GW-12636-120210-BW-010	56.3 J	µg/L
				GW-12636-120210-BW-011	196 J	µg/L
				GW-12636-120310-BW-014	43.0 J	µg/L
				GW-12636-120310-BW-017	105 J	µg/L

Notes:

J - Estimated Concentration

%D - Percent Difference
TAL - Target Analyte List

TABLE 9

SUMMARY OF QUALIFIED SAMPLE DATA DUE TO VARIABILITY IN FIELD DUPLICATE RESULTS
GROUNDWATER MONITORING - NOVEMBER-DECEMBER 2010
MLC PEREGRINE SITE
GENESEE COUNTY, MICHIGAN

Parameter	*Analyte*	*Criteria*	*RPD / Diff*	*Sample ID*	*Qualified Result*	*Field Duplicate Sample ID*	*Qualified Result*	*Units*
Site TAL Metals	Aluminum	Diff	776	GW-12636-120210-BW-008	1300 J	GW-12636-120210-BW-009	524 J	µg/L
	Iron	RPD	91		7780 J		2930 J	µg/L
	Manganese	RPD	86		51.9 J		20.8 J	µg/L
	Zinc	Diff	32.8		54.6 J		21.8 UJ	µg/L
	Copper	RPD	73		7.5 J		3.5 J	µg/L

Notes:

J - Estimated Concentration
UJ - Non-detect with an Estimated Report Limit

Diff - Difference
RPD - Relative Percent Difference
TAL - Target Analyte List

ATTACHMENT C

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:					*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:					*B-9~6/21/1995~N~LB*	*B-9~8/31/1995~N~LB*	*B-9~2/9/1996~N~LB*	*B-9~6/19/1996~N~LB*	*B-9~8/21/1996~N~LB*	*B-9~11/13/1996~N~LB*	*B-9~5/6/1997~N~LB*
Sample Date:					*6/21/1995*	*8/31/1995*	*2/9/1996*	*6/19/1996*	*8/21/1996*	*11/13/1996*	*5/6/1997*
Parameters:	***Units***	***a***	***b***	***c***							
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	1300	0.2	1300	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/L	4.7	0.035	77	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/L	21	0.005	110	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/L	2400	2.5	2300	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/L	11	0.007	1.3	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/L	19	0.07	300	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/L	56	0.063	56	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.39	0.0002	1.2	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.025	0.00005	15	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	160	0.6	160	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	19	0.005	59	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/L	16	0.005	36	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/L	61	0.072	61	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/L	2	0.019	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/L	6.4	0.075	74	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	240000	38	240000	-	-	-	-	-	-	-
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/L	5200	2.9	8700	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	13000	5.2	20000	-	-	-	-	-	-	-
Acetone	mg/L	31000	2.1	1000000	-	-	-	-	-	-	-
Benzene	mg/L	11	0.005	35	-	-	-	-	-	-	-
Bromodichloromethane	mg/L	14	0.08	37	-	-	-	-	-	-	-
Bromoform	mg/L	140	0.08	3100	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	mg/L	70	0.029	9	-	-	-	-	-	-	-
Carbon disulfide	mg/L	1200	2.3	550	-	-	-	-	-	-	-
Carbon tetrachloride	mg/L	4.6	0.005	2.4	-	-	-	-	-	-	-
Chlorobenzene	mg/L	86	0.1	470	-	-	-	-	-	-	-
Chloroethane	mg/L	440	1.7	5700	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	150	0.08	180	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	mg/L	490	1.1	45	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/L	200	0.07	210	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-	-	-	-
Cyclohexane	mg/L	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/L	18	0.08	110	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	mg/L	300	4.8	300	-	-	-	-	-	-	-
Ethylbenzene	mg/L	170	0.074	170	-	-	-	-	-	-	-
Isopropyl benzene	mg/L	56	2.3	56	-	-	-	-	-	-	-
m&p-Xylenes	mg/L	-	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/L	-	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	mg/L	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	mg/L	610	0.04	47000	-	-	-	-	-	-	-
Methylene chloride	mg/L	220	0.005	1400	-	-	-	-	-	-	-
o-Xylene	mg/L	190	0.28	190	-	-	-	-	-	-	-
Styrene	mg/L	9.7	0.1	310	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	12	0.005	170	-	-	-	-	-	-	-
Toluene	mg/L	530	0.79	530	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:					*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:					*B-9~6/21/1995~N~LB*	*B-9~8/31/1995~N~LB*	*B-9~2/9/1996~N~LB*	*B-9~6/19/1996~N~LB*	*B-9~8/21/1996~N~LB*	*B-9~11/13/1996~N~LB*	*B-9~5/6/1997~N~LB*
Sample Date:					*6/21/1995*	*8/31/1995*	*2/9/1996*	*6/19/1996*	*8/21/1996*	*11/13/1996*	*5/6/1997*
Parameters:	***Units***	***a***	***b***	***c***							
trans-1,2-Dichloroethene	mg/L	220	0.1	200	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/L	22	0.005	97	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	mg/L	1100	7.3	1100	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	mg/L	170	170	170	-	-	-	-	-	-	-
Vinyl chloride	mg/L	1	0.002	13	-	-	-	-	-	-	-
Xylenes (total)	mg/L	190	0.28	190	-	-	-	-	-	-	-
Semi-volatile Organic Compounds											
1,2,4-Trichlorobenzene	mg/L	19	0.07	300	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	170	2.1	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	10	0.47	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	48	0.21	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	520	1	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	8.6	0.032	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	6.7	5.2	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	94	0.13	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	25	0.75	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	810	1	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	79	0.058	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	0.18	0.0043	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	9.5	0.02	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	79	0.42	-	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	mg/L	810	1	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-	-	-	-
Acenaphthene	mg/L	4.2	3.8	4.2	-	-	-	-	-	-	-
Acenaphthylene	mg/L	3.9	0.15	3.9	-	-	-	-	-	-	-
Anthracene	mg/L	0.043	0.043	0.043	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/L	0.0094	0.0085	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	0.001	0.005	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	0.0015	0.0015	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	0.001	0.001	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	0.001	0.001	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	5.7	0.0083	210	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	0.32	0.006	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	2.7	2.7	-	-	-	-	-	-	-	-
Carbazole	mg/L	7.4	0.35	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:					*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:					*B-9~6/21/1995~N~LB*	*B-9~8/31/1995~N~LB*	*B-9~2/9/1996~N~LB*	*B-9~6/19/1996~N~LB*	*B-9~8/21/1996~N~LB*	*B-9~11/13/1996~N~LB*	*B-9~5/6/1997~N~LB*
Sample Date:					*6/21/1995*	*8/31/1995*	*2/9/1996*	*6/19/1996*	*8/21/1996*	*11/13/1996*	*5/6/1997*
Parameters:	***Units***	***a***	***b***	***c***							
Chrysene	mg/L	0.0016	0.0016	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	0.002	0.002	-	-	-	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	1100	16	-	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	4200	210	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	11	2.5	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	0.4	0.38	-	-	-	-	-	-	-	-
Fluoranthene	mg/L	0.21	0.21	0.21	-	-	-	-	-	-	-
Fluorene	mg/L	2	2	2	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	0.0046	0.001	3	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	0.4	0.042	3.2	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	1.6	0.05	0.42	-	-	-	-	-	-	-
Hexachloroethane	mg/L	1.9	0.021	50	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	0.002	0.002	-	-	-	-	-	-	-	-
Isophorone	mg/L	990	3.1	-	-	-	-	-	-	-	-
Naphthalene	mg/L	31	1.5	31	-	-	-	-	-	-	-
Nitrobenzene	mg/L	11	0.0096	550	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	0.36	0.005	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	35	1.1	-	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	0.2	0.001	-	-	-	-	-	-	-	-
Phenanthrene	mg/L	1	0.15	1	-	-	-	-	-	-	-
Phenol	mg/L	29000	13	-	-	-	-	-	-	-	-
Pyrene	mg/L	0.14	0.14	0.14	-	-	-	-	-	-	-
Metals											
Aluminum	mg/L	64000	0.05	-	-	-	-	-	-	-	-
Aluminum (dissolved)	mg/L	64000	0.05	-	-	-	-	-	-	-	-
Antimony	mg/L	68	0.006	-	-	-	-	-	-	-	-
Antimony (dissolved)	mg/L	68	0.006	-	-	-	-	-	-	-	-
Arsenic	mg/L	4.3	0.01	-	-	-	-	-	-	-	-
Arsenic (dissolved)	mg/L	4.3	0.01	-	-	-	-	-	-	-	-
Barium	mg/L	14000	2	-	-	-	-	-	-	-	-
Barium (dissolved)	mg/L	14000	2	-	-	-	-	-	-	-	-
Beryllium	mg/L	290	0.004	-	-	-	-	-	-	-	-
Beryllium (dissolved)	mg/L	290	0.004	-	-	-	-	-	-	-	-
Cadmium	mg/L	190	0.005	-	-	-	-	-	-	-	-
Cadmium (dissolved)	mg/L	190	0.005	-	-	-	-	-	-	-	-
Chromium	mg/L	460	0.1	-	-	-	-	-	-	-	-
Chromium Total (dissolved)	mg/L	460	0.1	-	0.02 U	0.037	0.02 U	0.02 U	0.02 U	0.02 U	0.01 U
Cobalt	mg/L	2400	0.1	-	-	-	-	-	-	-	-
Cobalt (dissolved)	mg/L	2400	0.1	-	-	-	-	-	-	-	-
Copper	mg/L	7400	1	-	-	-	-	-	-	-	-
Copper (dissolved)	mg/L	7400	1	-	0.02 U	0.043	0.02 U	0.02 U	0.02 U	0.02 U	0.01 U
Iron	mg/L	58000	0.3	-	-	-	-	-	-	-	-
Iron (dissolved)	mg/L	58000	0.3	-	-	-	-	-	-	-	-
Lead	mg/L	-	0.004	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:					*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:					*B-9~6/21/1995~N~LB*	*B-9~8/31/1995~N~LB*	*B-9~2/9/1996~N~LB*	*B-9~6/19/1996~N~LB*	*B-9~8/21/1996~N~LB*	*B-9~11/13/1996~N~LB*	*B-9~5/6/1997~N~LB*
Sample Date:					*6/21/1995*	*8/31/1995*	*2/9/1996*	*6/19/1996*	*8/21/1996*	*11/13/1996*	*5/6/1997*
Parameters:	***Units***	***a***	***b***	***c***							
Lead (dissolved)	mg/L	-	0.004	-	-	-	-	-	-	-	-
Manganese	mg/L	9100	0.05	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	9100	0.05	-	-	-	-	-	-	-	-
Mercury	mg/L	0.056	0.002	0.056	-	-	-	-	-	-	-
Mercury (dissolved)	mg/L	0.056	0.002	0.056	-	-	-	-	-	-	-
Nickel	mg/L	74000	0.1	-	-	-	-	-	-	-	-
Nickel (dissolved)	mg/L	74000	0.1	-	0.03 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.051
Selenium	mg/L	970	0.05	-	-	-	-	-	-	-	-
Selenium (dissolved)	mg/L	970	0.05	-	-	-	-	-	-	-	-
Silver	mg/L	1500	0.098	-	-	-	-	-	-	-	-
Silver (dissolved)	mg/L	1500	0.098	-	-	-	-	-	-	-	-
Sodium (dissolved)	mg/L	1000000	350	-	-	-	-	-	-	-	-
Thallium	mg/L	13	0.002	-	-	-	-	-	-	-	-
Thallium (dissolved)	mg/L	13	0.002	-	-	-	-	-	-	-	-
Vanadium	mg/L	970	0.062	-	-	-	-	-	-	-	-
Vanadium (dissolved)	mg/L	970	0.062	-	-	-	-	-	-	-	-
Zinc	mg/L	110000	5	-	-	-	-	-	-	-	-
Zinc (dissolved)	mg/L	110000	5	-	0.02 U	0.02 U	0.02 U	0.02 U	0.07	0.04	0.02
Pesticides											
Aroclor-1016 (PCB-1016)	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
Total PCBs	mg/L	0.0033	0.0005	0.045	-	-	-	-	-	-	-
General Chemistry											
Conductance, specific	umhos/cm	-	-	-	2400	1829	2860	2550	2310	3280	2600
Cyanide (amenable)	mg/L	-	-	-	-	-	-	-	-	-	-
pH	s.u.	-	6.5 - 8.5	-	7.7	7.7	7.3	6.8	8	6.8	6.8
Temperature, field	Deg C	-	-	-	14.6	14.8	8	11.5	16.4	9.2	10
Total organic carbon (TOC)	mg/L	-	-	-	3.5	3.9	3.1	2.1	2.3	71	3
Total organic halides (TOX)	mg/L	-	-	-	0.034	0.01 U	0.01 U	0.1 U	0.005 U	0.005 U	0.1 U

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~11/6/1997~N~LB*	*B-9~5/4/1998~N~LB*	*B-9~4/26/1999~N~LB*	*B-9~11/5/1999~N~LB*	*B-9~4/26/2000~N~LB*	*B-9~12/8/2000~N~LB*	*B-9~5/16/2001~N~LB*	*B-9~10/17/2001~N~LB*	*B-9~5/16/2002~N~LB*
Sample Date:		*11/6/1997*	*5/4/1998*	*4/26/1999*	*11/5/1999*	*4/26/2000*	*12/8/2000*	*5/16/2001*	*10/17/2001*	*5/16/2002*
Parameters:	*Units*									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/L	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/L	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/L	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-	-	-	-	-	-
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/L	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	-	-	-	-	-	-	-	-	-
Acetone	mg/L	-	-	-	-	-	-	-	-	-
Benzene	mg/L	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/L	-	-	-	-	-	-	-	-	-
Bromoform	mg/L	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	mg/L	-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/L	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/L	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
Chloroethane	mg/L	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	mg/L	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/L	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-	-	-
Cyclohexane	mg/L	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/L	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	mg/L	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/L	-	-	-	-	-	-	-	-	-
Isopropyl benzene	mg/L	-	-	-	-	-	-	-	-	-
m&p-Xylenes	mg/L	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/L	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	mg/L	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	mg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	-	-	-	-	-	-	-	-	-
o-Xylene	mg/L	-	-	-	-	-	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	-	-	-	-	-	-	-	-	-
Toluene	mg/L	-	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~11/6/1997~N~LB*	*B-9~5/4/1998~N~LB*	*B-9~4/26/1999~N~LB*	*B-9~11/5/1999~N~LB*	*B-9~4/26/2000~N~LB*	*B-9~12/8/2000~N~LB*	*B-9~5/16/2001~N~LB*	*B-9~10/17/2001~N~LB*	*B-9~5/16/2002~N~LB*
Sample Date:		*11/6/1997*	*5/4/1998*	*4/26/1999*	*11/5/1999*	*4/26/2000*	*12/8/2000*	*5/16/2001*	*10/17/2001*	*5/16/2002*
Parameters:	***Units***									
trans-1,2-Dichloroethene	mg/L	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/L	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	mg/L	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	mg/L	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/L	-	-	-	-	-	-	-	-	-
Xylenes (total)	mg/L	-	-	-	-	-	-	-	-	-
Semi-volatile Organic Compounds										
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-	-
4-Methylphenol	mg/L	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-	-	-
Acenaphthene	mg/L	-	-	-	-	-	-	-	-	-
Acenaphthylene	mg/L	-	-	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	-	-	-	-
Carbazole	mg/L	-	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~11/6/1997~N~LB*	*B-9~5/4/1998~N~LB*	*B-9~4/26/1999~N~LB*	*B-9~11/5/1999~N~LB*	*B-9~4/26/2000~N~LB*	*B-9~12/8/2000~N~LB*	*B-9~5/16/2001~N~LB*	*B-9~10/17/2001~N~LB*	*B-9~5/16/2002~N~LB*
Sample Date:		*11/6/1997*	*5/4/1998*	*4/26/1999*	*11/5/1999*	*4/26/2000*	*12/8/2000*	*5/16/2001*	*10/17/2001*	*5/16/2002*
Parameters:	***Units***									
Chrysene	mg/L	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-	-	-
Fluorene	mg/L	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	-	-	-	-	-	-
Isophorone	mg/L	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	-	-	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-	-	-
Phenol	mg/L	-	-	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-	-	-
Metals										
Aluminum	mg/L	-	-	-	-	-	-	-	-	-
Aluminum (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-
Barium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-
Chromium Total (dissolved)	mg/L	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	mg/L	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-
Copper (dissolved)	mg/L	0.01 U	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iron	mg/L	-	-	-	-	-	-	-	-	-
Iron (dissolved)	mg/L	**0.65**[b]	-	-	**0.61**[b]	-	0.05	-	**0.94**[b]	-
Lead	mg/L	-	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~11/6/1997~N~LB*	*B-9~5/4/1998~N~LB*	*B-9~4/26/1999~N~LB*	*B-9~11/5/1999~N~LB*	*B-9~4/26/2000~N~LB*	*B-9~12/8/2000~N~LB*	*B-9~5/16/2001~N~LB*	*B-9~10/17/2001~N~LB*	*B-9~5/16/2002~N~LB*
Sample Date:		*11/6/1997*	*5/4/1998*	*4/26/1999*	*11/5/1999*	*4/26/2000*	*12/8/2000*	*5/16/2001*	*10/17/2001*	*5/16/2002*
Parameters:	***Units***									
Lead (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	**0.741**[B]	-	-	**1.28**[B]	-	-	-	-	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	mg/L	**0.183**[B]	0.018	0.019	0.02	0.012	0.046	0.007	0.008	0.007
Selenium	mg/L	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-
Silver (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	mg/L	-	-	-	47.1	-	69.5	-	66	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	mg/L	0.04	0.04	0.02	0.03	0.03	0.01 U	0.01	0.02	0.01
Pesticides										
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-	-	-
Total PCBs	mg/L	-	-	-	-	-	-	-	-	-
General Chemistry										
Conductance, specific	umhos/cm	2800	2400	1860	2340	2780	2400	1070	2130	2470
Cyanide (amenable)	mg/L	-	-	-	-	-	-	-	-	-
pH	s.u.	6.5	6.6	7.7	6.8	7.6	7.6	7.4	7.5	7.2
Temperature, field	Deg C	11	14.5	12.2	15.4	9.5	7.8	12.6	10.8	11.6
Total organic carbon (TOC)	mg/L	2	3	4	2.5	5.5	5	4.8	4	1.9
Total organic halides (TOX)	mg/L	0.1 U	0.005 U	0.1 U	0.1 U	0.1 U	0.01 U	0.1 U	0.1 U	0.1 U

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~6/4/2003~N~LB*	*B-9~6/30/2004~N~LB*	*B-9~12/9/2004~N~LB*	*B-9~6/8/2005~N~LB*	*B-9~12/7/2005~N~LB*	*B-9~6/29/2006~N~LB*	*B-9~11/30/2006~N~LB*	*B-9~6/5/2007~N~LB*	*B-9~11/16/2007~N~LB*
Sample Date:		*6/4/2003*	*6/30/2004*	*12/9/2004*	*6/8/2005*	*12/7/2005*	*6/29/2006*	*11/30/2006*	*6/5/2007*	*11/16/2007*
Parameters:	*Units*									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/L	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/L	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/L	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-	-	-	-	-	-
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/L	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	-	-	-	-	-	-	-	-	-
Acetone	mg/L	-	-	-	-	-	-	-	-	-
Benzene	mg/L	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/L	-	-	-	-	-	-	-	-	-
Bromoform	mg/L	-	-	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	mg/L	-	-	-	-	-	-	-	-	-
Carbon disulfide	mg/L	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	mg/L	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
Chloroethane	mg/L	-	-	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	mg/L	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/L	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-	-	-
Cyclohexane	mg/L	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/L	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	mg/L	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/L	-	-	-	-	-	-	-	-	-
Isopropyl benzene	mg/L	-	-	-	-	-	-	-	-	-
m&p-Xylenes	mg/L	-	-	-	-	-	-	-	-	-
Methyl acetate	mg/L	-	-	-	-	-	-	-	-	-
Methyl cyclohexane	mg/L	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	mg/L	-	-	-	-	-	-	-	-	-
Methylene chloride	mg/L	-	-	-	-	-	-	-	-	-
o-Xylene	mg/L	-	-	-	-	-	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	-	-	-	-	-	-	-	-	-
Toluene	mg/L	-	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~6/4/2003~N~LB*	*B-9~6/30/2004~N~LB*	*B-9~12/9/2004~N~LB*	*B-9~6/8/2005~N~LB*	*B-9~12/7/2005~N~LB*	*B-9~6/29/2006~N~LB*	*B-9~11/30/2006~N~LB*	*B-9~6/5/2007~N~LB*	*B-9~11/16/2007~N~LB*
Sample Date:		*6/4/2003*	*6/30/2004*	*12/9/2004*	*6/8/2005*	*12/7/2005*	*6/29/2006*	*11/30/2006*	*6/5/2007*	*11/16/2007*
Parameters:	***Units***									
trans-1,2-Dichloroethene	mg/L	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-	-	-
Trichloroethene	mg/L	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	mg/L	-	-	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	mg/L	-	-	-	-	-	-	-	-	-
Vinyl chloride	mg/L	-	-	-	-	-	-	-	-	-
Xylenes (total)	mg/L	-	-	-	-	-	-	-	-	-
Semi-volatile Organic Compounds										
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-	-
4-Methylphenol	mg/L	-	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-	-	-
Acenaphthene	mg/L	-	-	-	-	-	-	-	-	-
Acenaphthylene	mg/L	-	-	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	-	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	-	-	-	-
Carbazole	mg/L	-	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~6/4/2003~N~LB*	*B-9~6/30/2004~N~LB*	*B-9~12/9/2004~N~LB*	*B-9~6/8/2005~N~LB*	*B-9~12/7/2005~N~LB*	*B-9~6/29/2006~N~LB*	*B-9~11/30/2006~N~LB*	*B-9~6/5/2007~N~LB*	*B-9~11/16/2007~N~LB*
Sample Date:		*6/4/2003*	*6/30/2004*	*12/9/2004*	*6/8/2005*	*12/7/2005*	*6/29/2006*	*11/30/2006*	*6/5/2007*	*11/16/2007*
Parameters:	***Units***									
Chrysene	mg/L	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	-	-	-	-	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-	-	-
Fluorene	mg/L	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	-	-	-	-	-	-
Isophorone	mg/L	-	-	-	-	-	-	-	-	-
Naphthalene	mg/L	-	-	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-	-	-
Phenol	mg/L	-	-	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-	-	-
Metals										
Aluminum	mg/L	-	-	-	-	-	-	-	-	-
Aluminum (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-	-	-
Antimony (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-	-	-
Arsenic (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-	-	-
Barium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-	-	-
Beryllium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-	-	-
Cadmium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-	-	-
Chromium Total (dissolved)	mg/L	0.005 U	0.005 U	0.005 U	0.006	0.011	0.006	0.005 U	0.012	0.002
Cobalt	mg/L	-	-	-	-	-	-	-	-	-
Cobalt (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-	-	-
Copper (dissolved)	mg/L	0.005 U	0.008	0.005 U	0.006	0.005	0.006	0.006	0.006	0.006
Iron	mg/L	-	-	-	-	-	-	-	-	-
Iron (dissolved)	mg/L	-	-	**0.57[b]**	**0.48[b]**	**0.32[b]**	**0.39[b]**	-	**0.32[b]**	-
Lead	mg/L	-	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*
Sample ID:		*B-9~6/4/2003~N~LB*	*B-9~6/30/2004~N~LB*	*B-9~12/9/2004~N~LB*	*B-9~6/8/2005~N~LB*	*B-9~12/7/2005~N~LB*	*B-9~6/29/2006~N~LB*	*B-9~11/30/2006~N~LB*	*B-9~6/5/2007~N~LB*	*B-9~11/16/2007~N~LB*
Sample Date:		*6/4/2003*	*6/30/2004*	*12/9/2004*	*6/8/2005*	*12/7/2005*	*6/29/2006*	*11/30/2006*	*6/5/2007*	*11/16/2007*
Parameters:	***Units***									
Lead (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	-	-	**0.248[b]**	**0.701[b]**	**0.41[b]**	**0.33[b]**	-	**1.9[b]**	-
Mercury	mg/L	-	-	-	-	-	-	-	-	-
Mercury (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-	-	-
Nickel (dissolved)	mg/L	0.015	0.019	0.011	0.012	0.012	0.013	0.005 U	0.024	0.024
Selenium	mg/L	-	-	-	-	-	-	-	-	-
Selenium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-	-	-
Silver (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Sodium (dissolved)	mg/L	-	-	55.9	58.3	58.5	63.6	-	67.3	-
Thallium	mg/L	-	-	-	-	-	-	-	-	-
Thallium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-	-	-
Vanadium (dissolved)	mg/L	-	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-	-	-
Zinc (dissolved)	mg/L	0.013	0.028	0.019	0.017	0.04	0.019	0.014	0.021	0.018
Pesticides										
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-	-	-
Total PCBs	mg/L	-	-	-	-	-	-	-	-	-
General Chemistry										
Conductance, specific	umhos/cm	2690	2379	2480	2116	2830	2820	2830	2770	3000
Cyanide (amenable)	mg/L	-	-	-	-	-	-	-	-	-
pH	s.u.	6.8	6.9	**5.9[b]**	7.1	**8.6[b]**	6.8	7.2	6.7	6.7
Temperature, field	Deg C	10.7	12.7	11.4	10.3	11.9	12.4	12.5	11	9.4
Total organic carbon (TOC)	mg/L	2.2	3.8	3	4	5	1.9	2.7	2.1	2
Total organic halides (TOX)	mg/L	0.057	-	0.03 U	0.03 U	0.03 U	0.03 U	0.0367	0.03 U	0.0274

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-27D*	*B-27D*
Sample ID:		*B-9~7/2/2008~N~LB*	*B-9 Dup.~11/20/2008~FD~LB*	*B-9~11/20/2008~N~LB*	*B-9~6/25/2009~N~LB*	*B-9~11/16/2009~N~LB*	*GW-12636-120310-BW-019*	*B-27D~12/8/2005~N~LB*	*B-27D~6/27/2006~N~LB*
Sample Date:		*7/2/2008*	*11/20/2008 (Duplicate)*	*11/20/2008*	*6/25/2009*	*11/16/2009*	*12/3/2010*	*12/8/2005*	*6/27/2006*
Parameters:	*Units*								
Volatile Organic Compounds									
1,1,1-Trichloroethane	mg/L	-	-	-	-	-	0.001 U	-	-
1,1,2,2-Tetrachloroethane	mg/L	-	-	-	-	-	0.001 U	-	-
1,1,2-Trichloroethane	mg/L	-	-	-	-	-	0.001 U	-	-
1,1-Dichloroethane	mg/L	-	-	-	-	-	0.001 U	-	-
1,1-Dichloroethene	mg/L	-	-	-	-	-	0.001 U	-	-
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	0.005 U	-	-
1,2,4-Trimethylbenzene	mg/L	-	-	-	-	-	0.001 U	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	-	-	-	-	0.001 UJ	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	-	-	-	-	0.001 U	-	-
1,2-Dichlorobenzene	mg/L	-	-	-	-	-	0.001 U	-	-
1,2-Dichloroethane	mg/L	-	-	-	-	-	0.001 U	-	-
1,2-Dichloropropane	mg/L	-	-	-	-	-	0.001 U	-	-
1,3,5-Trimethylbenzene	mg/L	-	-	-	-	-	0.001 U	-	-
1,3-Dichlorobenzene	mg/L	-	-	-	-	-	0.001 U	-	-
1,4-Dichlorobenzene	mg/L	-	-	-	-	-	0.001 U	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-	-	0.025 U	-	-
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-	-
2-Hexanone	mg/L	-	-	-	-	-	0.05 U	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	-	-	-	-	-	0.05 U	-	-
Acetone	mg/L	-	-	-	-	-	0.025 U	-	-
Benzene	mg/L	-	-	-	-	-	0.001 U	-	-
Bromodichloromethane	mg/L	-	-	-	-	-	0.001 U	-	-
Bromoform	mg/L	-	-	-	-	-	0.001 U	-	-
Bromomethane (Methyl bromide)	mg/L	-	-	-	-	-	0.001 UJ	-	-
Carbon disulfide	mg/L	-	-	-	-	-	0.005 U	-	-
Carbon tetrachloride	mg/L	-	-	-	-	-	0.001 U	-	-
Chlorobenzene	mg/L	-	-	-	-	-	0.001 U	-	-
Chloroethane	mg/L	-	-	-	-	-	0.001 U	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-	-	0.001 U	-	-
Chloromethane (Methyl chloride)	mg/L	-	-	-	-	-	0.001 U	-	-
cis-1,2-Dichloroethene	mg/L	-	-	-	-	-	0.001 U	-	-
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	0.001 U	-	-
Cyclohexane	mg/L	-	-	-	-	-	0.001 U	-	-
Dibromochloromethane	mg/L	-	-	-	-	-	0.001 U	-	-
Dichlorodifluoromethane (CFC-12)	mg/L	-	-	-	-	-	0.001 U	-	-
Ethylbenzene	mg/L	-	-	-	-	-	0.001 U	-	-
Isopropyl benzene	mg/L	-	-	-	-	-	0.005 U	-	-
m&p-Xylenes	mg/L	-	-	-	-	-	-	-	-
Methyl acetate	mg/L	-	-	-	-	-	0.01 U	-	-
Methyl cyclohexane	mg/L	-	-	-	-	-	0.001 U	-	-
Methyl tert butyl ether (MTBE)	mg/L	-	-	-	-	-	0.005 U	-	-
Methylene chloride	mg/L	-	-	-	-	-	0.005 U	-	-
o-Xylene	mg/L	-	-	-	-	-	-	-	-
Styrene	mg/L	-	-	-	-	-	0.001 U	-	-
Tetrachloroethene	mg/L	-	-	-	-	-	0.001 U	-	-
Toluene	mg/L	-	-	-	-	-	0.001 U	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-27D*	*B-27D*
Sample ID:		*B-9~7/2/2008~N~LB*	*B-9 Dup.~11/20/2008~FD~LB*	*B-9~11/20/2008~N~LB*	*B-9~6/25/2009~N~LB*	*B-9~11/16/2009~N~LB*	*GW-12636-120310-BW-019*	*B-27D~12/8/2005~N~LB*	*B-27D~6/27/2006~N~LB*
Sample Date:		*7/2/2008*	*11/20/2008 (Duplicate)*	*11/20/2008*	*6/25/2009*	*11/16/2009*	*12/3/2010*	*12/8/2005*	*6/27/2006*
Parameters:	*Units*								
trans-1,2-Dichloroethene	mg/L	-	-	-	-	-	0.001 U	-	-
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	0.001 U	-	-
Trichloroethene	mg/L	-	-	-	-	-	0.001 U	-	-
Trichlorofluoromethane (CFC-11)	mg/L	-	-	-	-	-	0.001 U	-	-
Trifluorotrichloroethane (Freon 113)	mg/L	-	-	-	-	-	0.001 U	-	-
Vinyl chloride	mg/L	-	-	-	-	-	0.001 U	-	-
Xylenes (total)	mg/L	-	-	-	-	-	0.002 U	-	-
Semi-volatile Organic Compounds									
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-
4-Methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-	-
Acenaphthene	mg/L	-	-	-	-	-	-	-	-
Acenaphthylene	mg/L	-	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/L	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	-	-	-
Carbazole	mg/L	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-27D*	*B-27D*
Sample ID:		*B-9~7/2/2008~N~LB*	*B-9 Dup.~11/20/2008~FD~LB*	*B-9~11/20/2008~N~LB*	*B-9~6/25/2009~N~LB*	*B-9~11/16/2009~N~LB*	*GW-12636-120310-BW-019*	*B-27D~12/8/2005~N~LB*	*B-27D~6/27/2006~N~LB*
Sample Date:		*7/2/2008*	*11/20/2008 (Duplicate)*	*11/20/2008*	*6/25/2009*	*11/16/2009*	*12/3/2010*	*12/8/2005*	*6/27/2006*
Parameters:	***Units***								
Chrysene	mg/L	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	-	-	-	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-	-
Fluorene	mg/L	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	-	-	-	-	-
Isophorone	mg/L	-	-	-	-	-	-	-	-
Naphthalene	mg/L	-	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-	-
Phenol	mg/L	-	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-	-
Metals									
Aluminum	mg/L	-	-	-	-	-	**0.704**[B]	-	-
Aluminum (dissolved)	mg/L	-	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	0.00023 J	-	-
Antimony (dissolved)	mg/L	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	0.0033 J	-	-
Arsenic (dissolved)	mg/L	-	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	0.0173 J	-	-
Barium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	0.001 U	-	-
Beryllium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	0.001 U	-	-
Cadmium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	0.005 U	-	-
Chromium Total (dissolved)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-	0.009	0.006
Cobalt	mg/L	-	-	-	-	-	0.0019 J	-	-
Cobalt (dissolved)	mg/L	-	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	0.0031	-	-
Copper (dissolved)	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.004 U	-	0.004 U	0.004 U
Iron	mg/L	-	-	-	-	-	**1.01**[B]	-	-
Iron (dissolved)	mg/L	**0.78**[B]	-	-	0.059	-	-	0.24	**1.05**[B]
Lead	mg/L	-	-	-	-	-	0.003 U	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-9*	*B-27D*	*B-27D*
Sample ID:		*B-9~7/2/2008~N~LB*	*B-9 Dup.~11/20/2008~FD~LB*	*B-9~11/20/2008~N~LB*	*B-9~6/25/2009~N~LB*	*B-9~11/16/2009~N~LB*	*GW-12636-120310-BW-019*	*B-27D~12/8/2005~N~LB*	*B-27D~6/27/2006~N~LB*
Sample Date:		*7/2/2008*	*11/20/2008 (Duplicate)*	*11/20/2008*	*6/25/2009*	*11/16/2009*	*12/3/2010*	*12/8/2005*	*6/27/2006*
Parameters:	***Units***								
Lead (dissolved)	mg/L	-	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	0.391[b]	-	-
Manganese (dissolved)	mg/L	0.812[b]	-	-	0.173[b]	-	-	0.14[b]	0.11[b]
Mercury	mg/L	-	-	-	-	-	0.0002 UJ	-	-
Mercury (dissolved)	mg/L	-	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	0.0072 J	-	-
Nickel (dissolved)	mg/L	0.013	0.013	0.013	0.005 U	0.016	-	0.006	0.007
Selenium	mg/L	-	-	-	-	-	0.005 U	-	-
Selenium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	0.0002 U	-	-
Silver (dissolved)	mg/L	-	-	-	-	-	-	-	-
Sodium (dissolved)	mg/L	64.2	-	-	65.3	-	-	34.2	32.3
Thallium	mg/L	-	-	-	-	-	0.001 U	-	-
Thallium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	0.0012 J	-	-
Vanadium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	0.0211 U	-	-
Zinc (dissolved)	mg/L	0.019	0.005 U	0.005 U	0.005 U	0.008	-	0.01 U	0.006
Pesticides									
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-	-
Total PCBs	mg/L	-	-	-	-	-	-	-	-
General Chemistry									
Conductance, specific	umhos/cm	3060	3280	3290	2700	3030	-	714	644
Cyanide (amenable)	mg/L	-	-	-	-	-	0.010 U	-	-
pH	s.u.	6.4[b]	6.4[b]	6.4[b]	6.7	6.7	-	5[b]	7.1
Temperature, field	Deg C	19.7	8.1	8.1	19.8	12.7	-	4.8	13.5
Total organic carbon (TOC)	mg/L	1.8	2	2.2	1.6	3	-	3.7	1.3
Total organic halides (TOX)	mg/L	0.0364	0.127	0.0159	0.03 U	0.0841	-	0.03 U	0.03 U

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*
Sample ID:		*B-27D~11/30/2006~N~LB*	*B-27D~6/8/2007~N~LB*	*B-27D~11/15/2007~N~LB*	*B-27D~6/26/2008~N~LB*	*B-27D~11/21/2008~N~LB*	*B-27D~6/25/2009~N~LB*	*B-27D~11/18/2009~N~LB*
Sample Date:		*11/30/2006*	*6/8/2007*	*11/15/2007*	*6/26/2008*	*11/21/2008*	*6/25/2009*	*11/18/2009*
Parameters:	*Units*							
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	mg/L	-	-	-	-	-	-	-
1,1,2-Trichloroethane	mg/L	-	-	-	-	-	-	-
1,1-Dichloroethane	mg/L	-	-	-	-	-	-	-
1,1-Dichloroethene	mg/L	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	mg/L	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	-	-	-	-	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	-	-	-	-	-	-
1,2-Dichlorobenzene	mg/L	-	-	-	-	-	-	-
1,2-Dichloroethane	mg/L	-	-	-	-	-	-	-
1,2-Dichloropropane	mg/L	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	mg/L	-	-	-	-	-	-	-
1,3-Dichlorobenzene	mg/L	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/L	-	-	-	-	-	-	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	-	-	-	-	-	-
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-
2-Hexanone	mg/L	-	-	-	-	-	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	-	-	-	-	-	-	-
Acetone	mg/L	-	-	-	-	-	-	-
Benzene	mg/L	-	-	-	-	-	-	-
Bromodichloromethane	mg/L	-	-	-	-	-	-	-
Bromoform	mg/L	-	-	-	-	-	-	-
Bromomethane (Methyl bromide)	mg/L	-	-	-	-	-	-	-
Carbon disulfide	mg/L	-	-	-	-	-	-	-
Carbon tetrachloride	mg/L	-	-	-	-	-	-	-
Chlorobenzene	mg/L	-	-	-	-	-	-	-
Chloroethane	mg/L	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	mg/L	-	-	-	-	-	-	-
Chloromethane (Methyl chloride)	mg/L	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/L	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-
Cyclohexane	mg/L	-	-	-	-	-	-	-
Dibromochloromethane	mg/L	-	-	-	-	-	-	-
Dichlorodifluoromethane (CFC-12)	mg/L	-	-	-	-	-	-	-
Ethylbenzene	mg/L	-	-	-	-	-	-	-
Isopropyl benzene	mg/L	-	-	-	-	-	-	-
m&p-Xylenes	mg/L	-	-	-	-	-	-	-
Methyl acetate	mg/L	-	-	-	-	-	-	-
Methyl cyclohexane	mg/L	-	-	-	-	-	-	-
Methyl tert butyl ether (MTBE)	mg/L	-	-	-	-	-	-	-
Methylene chloride	mg/L	-	-	-	-	-	-	-
o-Xylene	mg/L	-	-	-	-	-	-	-
Styrene	mg/L	-	-	-	-	-	-	-
Tetrachloroethene	mg/L	-	-	-	-	-	-	-
Toluene	mg/L	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*
Sample ID:		*B-27D~11/30/2006~N~LB*	*B-27D~6/8/2007~N~LB*	*B-27D~11/15/2007~N~LB*	*B-27D~6/26/2008~N~LB*	*B-27D~11/21/2008~N~LB*	*B-27D~6/25/2009~N~LB*	*B-27D~11/18/2009~N~LB*
Sample Date:		*11/30/2006*	*6/8/2007*	*11/15/2007*	*6/26/2008*	*11/21/2008*	*6/25/2009*	*11/18/2009*
Parameters:	***Units***							
trans-1,2-Dichloroethene	mg/L	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	mg/L	-	-	-	-	-	-	-
Trichloroethene	mg/L	-	-	-	-	-	-	-
Trichlorofluoromethane (CFC-11)	mg/L	-	-	-	-	-	-	-
Trifluorotrichloroethane (Freon 113)	mg/L	-	-	-	-	-	-	-
Vinyl chloride	mg/L	-	-	-	-	-	-	-
Xylenes (total)	mg/L	-	-	-	-	-	-	-
Semi-volatile Organic Compounds								
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-
4-Methylphenol	mg/L	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-
Acenaphthene	mg/L	-	-	-	-	-	-	-
Acenaphthylene	mg/L	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	-	-
Carbazole	mg/L	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*
Sample ID:		*B-27D~11/30/2006~N~LB*	*B-27D~6/8/2007~N~LB*	*B-27D~11/15/2007~N~LB*	*B-27D~6/26/2008~N~LB*	*B-27D~11/21/2008~N~LB*	*B-27D~6/25/2009~N~LB*	*B-27D~11/18/2009~N~LB*
Sample Date:		*11/30/2006*	*6/8/2007*	*11/15/2007*	*6/26/2008*	*11/21/2008*	*6/25/2009*	*11/18/2009*
Parameters:	***Units***							
Chrysene	mg/L	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	-	-	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-
Fluorene	mg/L	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	-	-	-	-
Isophorone	mg/L	-	-	-	-	-	-	-
Naphthalene	mg/L	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-
Phenol	mg/L	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-
Metals								
Aluminum	mg/L	-	-	-	-	-	-	-
Aluminum (dissolved)	mg/L	-	-	-	-	-	-	-
Antimony	mg/L	-	-	-	-	-	-	-
Antimony (dissolved)	mg/L	-	-	-	-	-	-	-
Arsenic	mg/L	-	-	-	-	-	-	-
Arsenic (dissolved)	mg/L	-	-	-	-	-	-	-
Barium	mg/L	-	-	-	-	-	-	-
Barium (dissolved)	mg/L	-	-	-	-	-	-	-
Beryllium	mg/L	-	-	-	-	-	-	-
Beryllium (dissolved)	mg/L	-	-	-	-	-	-	-
Cadmium	mg/L	-	-	-	-	-	-	-
Cadmium (dissolved)	mg/L	-	-	-	-	-	-	-
Chromium	mg/L	-	-	-	-	-	-	-
Chromium Total (dissolved)	mg/L	0.005 U	0.009	0.002	0.005 U	0.005 U	0.005 U	0.005 U
Cobalt	mg/L	-	-	-	-	-	-	-
Cobalt (dissolved)	mg/L	-	-	-	-	-	-	-
Copper	mg/L	-	-	-	-	-	-	-
Copper (dissolved)	mg/L	0.004 U	0.002	0.001	0.001 U	0.001 U	0.001	0.004 U
Iron	mg/L	-	-	-	-	-	-	-
Iron (dissolved)	mg/L	-	**1.52[b]**	-	0.3	-	**2.03[b]**	-
Lead	mg/L	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*	*B-27D*
Sample ID:		*B-27D~11/30/2006~N~LB*	*B-27D~6/8/2007~N~LB*	*B-27D~11/15/2007~N~LB*	*B-27D~6/26/2008~N~LB*	*B-27D~11/21/2008~N~LB*	*B-27D~6/25/2009~N~LB*	*B-27D~11/18/2009~N~LB*
Sample Date:		*11/30/2006*	*6/8/2007*	*11/15/2007*	*6/26/2008*	*11/21/2008*	*6/25/2009*	*11/18/2009*
Parameters:	***Units***							
Lead (dissolved)	mg/L	-	-	-	-	-	-	-
Manganese	mg/L	-	-	-	-	-	-	-
Manganese (dissolved)	mg/L	-	0.058[b]	-	0.059[b]	-	0.052[b]	-
Mercury	mg/L	-	-	-	-	-	-	-
Mercury (dissolved)	mg/L	-	-	-	-	-	-	-
Nickel	mg/L	-	-	-	-	-	-	-
Nickel (dissolved)	mg/L	0.005 U	0.003	0.005	0.005 U	0.005 U	0.005 U	0.005 U
Selenium	mg/L	-	-	-	-	-	-	-
Selenium (dissolved)	mg/L	-	-	-	-	-	-	-
Silver	mg/L	-	-	-	-	-	-	-
Silver (dissolved)	mg/L	-	-	-	-	-	-	-
Sodium (dissolved)	mg/L	-	36.3	-	33.9	-	37.2	-
Thallium	mg/L	-	-	-	-	-	-	-
Thallium (dissolved)	mg/L	-	-	-	-	-	-	-
Vanadium	mg/L	-	-	-	-	-	-	-
Vanadium (dissolved)	mg/L	-	-	-	-	-	-	-
Zinc	mg/L	-	-	-	-	-	-	-
Zinc (dissolved)	mg/L	0.006	0.036	0.032	0.005 U	0.005 U	0.005 U	0.005 U
Pesticides								
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-
Total PCBs	mg/L	-	-	-	-	-	-	-
General Chemistry								
Conductance, specific	umhos/cm	540	628	649	659	667	651	653
Cyanide (amenable)	mg/L	-	-	-	-	-	-	-
pH	s.u.	7.5	6.6	7.3	7.1	6.8	6.8	7.3
Temperature, field	Deg C	11.7	14.6	11.6	16.3	6.6	16.5	11.2
Total organic carbon (TOC)	mg/L	1 U	4	1.9	1.7	1.3	1 U	2
Total organic halides (TOX)	mg/L	0.03 U	0.0257	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*MW-1*	*MW-1*	*MW-1*	*MW-2*	*MW-2*	*MW-2*	*MW-2-02*
Sample ID:		*GW-12636-120310-BW-017*	*MW-1*	*W-111496-BM-008*	*GW-12636-120210-BW-011*	*MW-2*	*W-8692-111496-SF-011*	*GW-12636-120310-BW-014*	*GW-12636-112910-BW-002*
Sample Date:		*12/3/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/2/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/3/2010*	*11/29/2010*
Parameters:	*Units*								
Volatile Organic Compounds									
1,1,1-Trichloroethane	mg/L	0.001 U	U	0.001 U	0.001 U	U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001	0.001 U	0.001 U	U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	-	-	0.005 U	-	-	0.005 U	0.005 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 UJ	-	-	0.001 UJ	-	-	0.001 UJ	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.025 U	-	0.05 U	0.025 U	-	0.05 U	0.025 U	0.025 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	-	-	-	-
2-Hexanone	mg/L	0.05 U	-	0.05 U	0.05 U	-	0.05 U	0.05 U	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	0.05 U	-	0.05 U	0.05 U	-	0.05 U	0.05 U	0.05 U
Acetone	mg/L	0.025 U	-	0.1 U	0.025 U	-	0.1 U	0.025 U	0.025 U
Benzene	mg/L	0.001 U	-	0.005 U	0.001 U	-	0.005 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 UJ	U	0.001 U	0.001 UJ	U	0.001 U	0.001 UJ	0.001 U
Carbon disulfide	mg/L	0.005 U	-	0.05 U	0.005 U	-	0.05 U	0.005 U	0.005 U
Carbon tetrachloride	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	U	0.001 U	0.001 U	U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	-	0.005	0.00023 J	-	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 UJ
Ethylbenzene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.005 U	-	-	0.005 U	-	-	0.005 U	0.005 U
m&p-Xylenes	mg/L	-	-	-	-	-	-	-	-
Methyl acetate	mg/L	0.01 U	-	-	0.01 U	-	-	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	-	-	0.005 U	-	-	0.005 U	0.005 U
Methylene chloride	mg/L	0.005 U	-	0.005 U	0.005 U	-	0.005 U	0.005 U	0.005 UJ
o-Xylene	mg/L	-	-	-	-	-	-	-	-
Styrene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	U	0.001 U	0.001 U	0.0005	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.0006	0.001 U	0.001 U	0.0007	0.001 U	0.001 U	0.001 U

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*MW-1*	*MW-1*	*MW-1*	*MW-2*	*MW-2*	*MW-2*	*MW-2-02*
Sample ID:		*GW-12636-120310-BW-017*	*MW-1*	*W-111496-BM-008*	*GW-12636-120210-BW-011*	*MW-2*	*W-8692-111496-SF-011*	*GW-12636-120310-BW-014*	*GW-12636-112910-BW-002*
Sample Date:		*12/3/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/2/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/3/2010*	*11/29/2010*
Parameters:	*Units*								
trans-1,2-Dichloroethene	mg/L	0.001 U	0.0017	0.001 U	0.001 U	U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.0048	0.001 U	0.001 U	0.0044	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 UJ
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	-	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	-	0.003 U	0.002 U	-	0.003 U	0.002 U	0.002 U
Semi-volatile Organic Compounds									
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	0.005 U	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	0.005 U	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	0.05 U	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	0.005 U	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	0.005 U	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	0.005 U	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	0.02 U	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	0.005 U	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	0.005 U	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	0.005 U	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	0.005 U	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	0.005 U	-	-
2-Methylphenol	mg/L	-	-	-	-	-	0.005 U	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	0.02 U	-	-
2-Nitrophenol	mg/L	-	-	-	-	0.0018	0.005 U	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	0.02 U	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	0.02 U	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	0.02 U	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	0.005 U	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	0.005 U	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	0.02 U	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	0.005 U	-	-
4-Methylphenol	mg/L	-	-	-	-	-	0.005 U	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	0.02 U	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	0.02 U	-	-
Acenaphthene	mg/L	-	-	-	-	0.00016	0.005 U	-	-
Acenaphthylene	mg/L	-	-	-	-	-	0.005 U	-	-
Anthracene	mg/L	-	-	-	-	-	0.005 U	-	-
Benzo(a)anthracene	mg/L	-	-	-	-	-	0.005 U	-	-
Benzo(a)pyrene	mg/L	-	-	-	-	-	0.005 U	-	-
Benzo(b)fluoranthene	mg/L	-	-	-	-	-	0.005 U	-	-
Benzo(g,h,i)perylene	mg/L	-	-	-	-	-	0.005 U	-	-
Benzo(k)fluoranthene	mg/L	-	-	-	-	-	0.005 U	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	0.005 U	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	0.005 U	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	0.005 U	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	0.005 U	-	-
Carbazole	mg/L	-	-	-	-	-	0.005 U	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*MW-1*	*MW-1*	*MW-1*	*MW-2*	*MW-2*	*MW-2*	*MW-2-02*
Sample ID:		*GW-12636-120310-BW-017*	*MW-1*	*W-111496-BM-008*	*GW-12636-120210-BW-011*	*MW-2*	*W-8692-111496-SF-011*	*GW-12636-120310-BW-014*	*GW-12636-112910-BW-002*
Sample Date:		*12/3/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/2/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/3/2010*	*11/29/2010*
Parameters:	*Units*								
Chrysene	mg/L	-	-	-	-	-	0.005 U	-	-
Dibenz(a,h)anthracene	mg/L	-	-	-	-	-	0.005 U	-	-
Dibenzofuran	mg/L	-	-	-	-	-	0.005 U	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	0.005 U	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	0.005 U	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	0.0007	0.005 U	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	0.005 U	-	-
Fluoranthene	mg/L	-	-	-	-	-	0.005 U	-	-
Fluorene	mg/L	-	-	-	-	0.00014	0.005 U	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	0.005 U	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	0.005 U	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	0.005 U	-	-
Hexachloroethane	mg/L	-	-	-	-	-	0.005 U	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	-	-	0.005 U	-	-
Isophorone	mg/L	-	-	-	-	-	0.005 U	-	-
Naphthalene	mg/L	-	-	-	-	0.00017	0.005 U	-	-
Nitrobenzene	mg/L	-	-	-	-	-	0.005 U	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	0.005 U	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	0.005 U	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	0.02 U	-	-
Phenanthrene	mg/L	-	-	-	-	0.0006	0.005 U	-	-
Phenol	mg/L	-	-	-	-	-	0.005 U	-	-
Pyrene	mg/L	-	-	-	-	-	0.005 U	-	-
Metals									
Aluminum	mg/L	**15.1[b]**	-	-	**1.85[b]**	-	-	**0.508[b]**	0.2 U
Aluminum (dissolved)	mg/L	-	-	-	-	-	-	-	-
Antimony	mg/L	0.00049 J	-	-	0.00036 J	-	-	0.002 U	0.002 U
Antimony (dissolved)	mg/L	-	-	-	-	-	-	-	-
Arsenic	mg/L	**0.0644[b]**	U	-	0.0094	U	-	**0.0279[b]**	0.005 U
Arsenic (dissolved)	mg/L	-	-	-	-	-	0.005 U	-	-
Barium	mg/L	0.28	U	-	0.0566 J	0.54	-	0.279	0.126
Barium (dissolved)	mg/L	-	-	-	-	-	0.2 U	-	-
Beryllium	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
Beryllium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Cadmium	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
Cadmium (dissolved)	mg/L	-	-	-	-	-	0.0005 U	-	-
Chromium	mg/L	0.033	-	-	0.0035 J	-	-	0.005 U	0.005 U
Chromium Total (dissolved)	mg/L	-	-	-	-	-	0.05 U	-	-
Cobalt	mg/L	0.0127	-	-	0.0032 J	-	-	0.0056 J	0.007 U
Cobalt (dissolved)	mg/L	-	-	-	-	-	-	-	-
Copper	mg/L	0.0258	U	-	0.028	U	-	0.0041	0.002 U
Copper (dissolved)	mg/L	-	-	-	-	-	0.025 U	-	-
Iron	mg/L	**27.9[b]**	-	-	**3.59[b]**	-	-	**24.8[b]**	0.1 U
Iron (dissolved)	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	**0.0123[b]**	U	-	**0.0142[b]**	U	-	0.003 U	0.003 U

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*B-27D*	*MW-1*	*MW-1*	*MW-1*	*MW-2*	*MW-2*	*MW-2*	*MW-2-02*
Sample ID:		*GW-12636-120310-BW-017*	*MW-1*	*W-111496-BM-008*	*GW-12636-120210-BW-011*	*MW-2*	*W-8692-111496-SF-011*	*GW-12636-120310-BW-014*	*GW-12636-112910-BW-002*
Sample Date:		*12/3/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/2/2010*	*11/14/1996*	*11/14/1996 (other)*	*12/3/2010*	*11/29/2010*
Parameters:	***Units***								
Lead (dissolved)	mg/L	-	-	-	-	-	0.003 U	-	-
Manganese	mg/L	**0.584** [b]	-	-	**0.164** [b]	-	-	**2.12** [b]	**0.576** [b]
Manganese (dissolved)	mg/L	-	-	-	-	-	-	-	-
Mercury	mg/L	0.0002 UJ	-	-	0.0002 UJ	-	-	0.0002 UJ	0.0002 UJ
Mercury (dissolved)	mg/L	-	-	-	-	-	0.0002 U	-	-
Nickel	mg/L	0.0328	-	-	0.0116 J	-	-	0.02 U	0.02 U
Nickel (dissolved)	mg/L	-	-	-	-	-	-	-	-
Selenium	mg/L	0.005 U	U	-	0.005 U	U	-	0.005 U	0.005 U
Selenium (dissolved)	mg/L	-	-	-	-	-	0.0095	-	-
Silver	mg/L	0.0002 U	-	-	0.0002 U	-	-	0.0002 U	0.0002 U
Silver (dissolved)	mg/L	-	-	-	-	-	0.0005 U	-	-
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Thallium	mg/L	0.001 U	-	-	0.001 U	-	-	0.001 U	0.001 U
Thallium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Vanadium	mg/L	0.0403	-	-	0.0043	-	-	0.0014 J	0.004 U
Vanadium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Zinc	mg/L	0.105 J	U	-	0.196 J	U	-	0.043 J	0.02 U
Zinc (dissolved)	mg/L	-	-	-	-	-	0.02 U	-	-
Pesticides									
Aroclor-1016 (PCB-1016)	mg/L	-	-	0.0002 U	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	0.0002 U	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	0.0004 U	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	0.0002 U	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	0.0002 U	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	0.0002 U	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	0.0002 U	-	-	-	-	-
Total PCBs	mg/L	-	-	0.0002 U	-	-	-	-	-
General Chemistry									
Conductance, specific	umhos/cm	-	-	-	-	-	-	-	-
Cyanide (amenable)	mg/L	0.010 U	-	-	0.010 U	-	-	0.010 U	0.010 U
pH	s.u.	-	-	-	-	-	-	-	-
Temperature, field	Deg C	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	-	-	-	-	-	-	-	-
Total organic halides (TOX)	mg/L	-	-	-	-	-	-	-	-

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*MW-3-02*	*MW-4-02*	*MW-15-10*	*MW-16-10*	*PFW-1*	*PFW-1*	*PFW-1*
Sample ID:		*GW-12636-120210-BW-007*	*GW-12636-112910-BW-001*	*GW-12636-120210-BW-004*	*GW-12636-120210-BW-005*	*PFW-1*	*GW-12636-100802-DD-001*	*GW-12636-100802-DD-002*
Sample Date:		*12/2/2010*	*11/29/2010*	*12/2/2010*	*12/2/2010*	*4/1/1997*	*10/8/2002*	*10/8/2002*
Parameters:	*Units*							
Volatile Organic Compounds								
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	-	0.001 U	0.001 U
1,2,4-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	-	-
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.025 U	0.025 U	0.025 U	0.0012 J	-	0.01 U	0.01 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	-	0.01 U	-	-
2-Hexanone	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	-	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	-	0.01 U	0.01 U
Acetone	mg/L	0.025 U	0.025 U	0.0025 J	0.006 J	-	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	-	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.002 U	0.002 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.00079 J	0.00055 J	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001	0.001 U	0.002 U	0.002 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	-	0.001 U	0.001 U
m&p-Xylenes	mg/L	-	-	-	-	0.003 U	-	-
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	-	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	-	0.005 U	0.005 U
Methylene chloride	mg/L	0.005 U	0.005 UJ	0.005 UJ	0.005 UJ	0.005 U	0.001 U	0.001 U
o-Xylene	mg/L	-	-	-	-	0.003 U	-	-
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*MW-3-02*	*MW-4-02*	*MW-15-10*	*MW-16-10*	*PFW-1*	*PFW-1*	*PFW-1*
Sample ID:		*GW-12636-120210-BW-007*	*GW-12636-112910-BW-001*	*GW-12636-120210-BW-004*	*GW-12636-120210-BW-005*	*PFW-1*	*GW-12636-100802-DD-001*	*GW-12636-100802-DD-002*
Sample Date:		*12/2/2010*	*11/29/2010*	*12/2/2010*	*12/2/2010*	*4/1/1997*	*10/8/2002*	*10/8/2002*
Parameters:	*Units*							
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	-	0.001 U	0.001 U
Semi-volatile Organic Compounds								
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-
4-Methylphenol	mg/L	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-
Acenaphthene	mg/L	-	-	-	-	-	-	-
Acenaphthylene	mg/L	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/L	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	-	-
Carbazole	mg/L	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*MW-3-02*	*MW-4-02*	*MW-15-10*	*MW-16-10*	*PFW-1*	*PFW-1*	*PFW-1*
Sample ID:		*GW-12636-120210-BW-007*	*GW-12636-112910-BW-001*	*GW-12636-120210-BW-004*	*GW-12636-120210-BW-005*	*PFW-1*	*GW-12636-100802-DD-001*	*GW-12636-100802-DD-002*
Sample Date:		*12/2/2010*	*11/29/2010*	*12/2/2010*	*12/2/2010*	*4/1/1997*	*10/8/2002*	*10/8/2002*
Parameters:	***Units***							
Chrysene	mg/L	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	-	-	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-
Fluorene	mg/L	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	-	-	-	-
Isophorone	mg/L	-	-	-	-	-	-	-
Naphthalene	mg/L	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-
Phenol	mg/L	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-
Metals								
Aluminum	mg/L	0.2 U	0.157 J[b]	3.19[b]	27.6[b]	-	-	-
Aluminum (dissolved)	mg/L	-	-	0.2 U	0.2 U	-	-	-
Antimony	mg/L	0.002 U	0.00035 J	0.00022 J	0.00078 J	-	-	-
Antimony (dissolved)	mg/L	-	-	0.002 U	0.00035 J	-	-	-
Arsenic	mg/L	0.005 U	0.005 U	0.0192[b]	0.0304[b]	0.04[b]	-	-
Arsenic (dissolved)	mg/L	-	-	0.0193[b]	0.0086	-	-	-
Barium	mg/L	0.0956 J	0.119	0.132	0.33	0.55	-	-
Barium (dissolved)	mg/L	-	-	0.119	0.159	-	-	-
Beryllium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	-	-
Beryllium (dissolved)	mg/L	-	-	0.001 U	0.001 U	-	-	-
Cadmium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 U	-	-
Cadmium (dissolved)	mg/L	-	-	0.001 U	0.001 U	-	-	-
Chromium	mg/L	0.005 U	0.005 U	0.0049 J	0.0535	0.05 U	-	-
Chromium Total (dissolved)	mg/L	-	-	0.005 U	0.005 U	-	-	-
Cobalt	mg/L	0.007 U	0.007 U	0.0019 J	0.0209	-	-	-
Cobalt (dissolved)	mg/L	-	-	0.007 U	0.007 U	-	-	-
Copper	mg/L	0.0032	0.0025 U	0.0033	0.0351	0.025 U	-	-
Copper (dissolved)	mg/L	-	-	0.002 U	0.002 U	-	-	-
Iron	mg/L	0.0825 J	1.41[b]	4.29[b]	50.1[b]	-	-	-
Iron (dissolved)	mg/L	-	-	0.259	0.188	-	-	-
Lead	mg/L	0.003 U	0.0063[b]	0.003 U	0.0205[b]	0.003 U	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*MW-3-02*	*MW-4-02*	*MW-15-10*	*MW-16-10*	*PFW-1*	*PFW-1*	*PFW-1*
Sample ID:		*GW-12636-120210-BW-007*	*GW-12636-112910-BW-001*	*GW-12636-120210-BW-004*	*GW-12636-120210-BW-005*	*PFW-1*	*GW-12636-100802-DD-001*	*GW-12636-100802-DD-002*
Sample Date:		*12/2/2010*	*11/29/2010*	*12/2/2010*	*12/2/2010*	*4/1/1997*	*10/8/2002*	*10/8/2002*
Parameters:	***Units***							
Lead (dissolved)	mg/L	-	-	0.003 U	0.003 U	-	0.003 U	0.003 U
Manganese	mg/L	**1.95[b]**	**0.426[b]**	**0.153[b]**	**1.3[b]**	-	-	-
Manganese (dissolved)	mg/L	-	-	**0.103[b]**	**0.0809[b]**	-	-	-
Mercury	mg/L	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 U	-	-
Mercury (dissolved)	mg/L	-	-	0.0002 U	0.0002 U	-	-	-
Nickel	mg/L	0.0061 J	0.02 U	0.0052 J	0.0473	-	-	-
Nickel (dissolved)	mg/L	-	-	0.02 U	0.02 U	-	-	-
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-	-
Selenium (dissolved)	mg/L	-	-	0.005 U	0.005 U	-	-	-
Silver	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0005 U	-	-
Silver (dissolved)	mg/L	-	-	0.0002 U	0.0002 U	-	-	-
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-
Thallium	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	-	-	-
Thallium (dissolved)	mg/L	-	-	0.001 U	0.001 U	-	-	-
Vanadium	mg/L	0.004 U	0.004 U	0.008	**0.0705[b]**	-	-	-
Vanadium (dissolved)	mg/L	-	-	0.004 U	0.004 U	-	-	-
Zinc	mg/L	0.02 U	0.02 U	0.02 U	0.121 J	0.02 U	-	-
Zinc (dissolved)	mg/L	-	-	0.02 U	0.02 U	-	-	-
Pesticides								
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-
Total PCBs	mg/L	-	-	-	-	-	-	-
General Chemistry								
Conductance, specific	umhos/cm	-	-	-	-	-	-	-
Cyanide (amenable)	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	-	-	-
pH	s.u.	-	-	-	-	-	-	-
Temperature, field	Deg C	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	-	-	-	-	-	-	-
Total organic halides (TOX)	mg/L	-	-	-	-	-	-	-

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-1*	*PFW-1*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-9*	*PFW-9*
Sample ID:		*GW-12636-100902-DD-003*	*GW-12636-120210-BW-006*	*PFW-2*	*PFW-2D*	*GW-12636-120310-BW-012*	*GW-12636-120310-BW-013*	*PFW-9*	*W-12636-060700-KMV-506*
Sample Date:		*10/9/2002*	*12/2/2010*	*4/1/1997*	*4/1/1997 (Duplicate)*	*12/3/2010*	*12/3/2010 (Duplicate)*	*4/1/1997*	*6/7/2000*
Parameters:	*Units*								
Volatile Organic Compounds									
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,2,4-Trichlorobenzene	mg/L	0.001 U	0.005 U	-	-	0.005 U	0.005 U	-	-
1,2,4-Trimethylbenzene	mg/L	-	0.001 U	-	-	0.001 U	0.001 U	-	-
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 UJ	-	-	0.001 UJ	0.001 UJ	-	-
1,2-Dibromoethane (Ethylene dibromide)	mg/L	0.001 U	0.001 U	-	-	0.001 U	0.001 U	-	-
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,3,5-Trimethylbenzene	mg/L	-	0.001 U	-	-	0.001 U	0.001 U	-	-
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.025 U	-	-	0.025 U	0.025 U	-	-
2-Chloroethyl vinyl ether	mg/L	-	-	0.01 U	0.01 U	-	-	0.01 U	-
2-Hexanone	mg/L	0.01 U	0.05 U	-	-	0.05 U	0.05 U	-	-
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	0.01 U	0.05 U	-	-	0.05 U	0.05 U	-	-
Acetone	mg/L	0.01 U	0.025 U	-	-	0.025 U	0.025 U	-	-
Benzene	mg/L	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U	0.005 U	-
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	-
Carbon disulfide	mg/L	0.001 U	0.005 U	-	-	0.005 U	0.005 U	-	-
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Chloroethane	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Chloromethane (Methyl chloride)	mg/L	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Cyclohexane	mg/L	0.001 U	0.001 U	-	-	0.001 U	0.001 U	-	-
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Isopropyl benzene	mg/L	0.001 U	0.005 U	-	-	0.005 U	0.005 U	-	-
m&p-Xylenes	mg/L	-	-	0.003 U	0.003 U	-	-	0.003 U	-
Methyl acetate	mg/L	0.01 U	0.01 U	-	-	0.01 U	0.01 U	-	-
Methyl cyclohexane	mg/L	0.001 U	0.001 U	-	-	0.001 U	0.001 U	-	-
Methyl tert butyl ether (MTBE)	mg/L	0.005 U	0.005 U	-	-	0.005 U	0.005 U	-	-
Methylene chloride	mg/L	0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-
o-Xylene	mg/L	-	-	0.003 U	0.003 U	-	-	0.003 U	-
Styrene	mg/L	0.001 U	0.001 U	-	-	0.001 U	0.001 U	-	-
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-1*	*PFW-1*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-9*	*PFW-9*
Sample ID:		*GW-12636-100902-DD-003*	*GW-12636-120210-BW-006*	*PFW-2*	*PFW-2D*	*GW-12636-120310-BW-012*	*GW-12636-120310-BW-013*	*PFW-9*	*W-12636-060700-KMV-506*
Sample Date:		*10/9/2002*	*12/2/2010*	*4/1/1997*	*4/1/1997 (Duplicate)*	*12/3/2010*	*12/3/2010 (Duplicate)*	*4/1/1997*	*6/7/2000*
Parameters:	*Units*								
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	-	-	0.001 U	0.001 U	-	-
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	-
Xylenes (total)	mg/L	0.001 U	0.002 U	-	-	0.002 U	0.002 U	-	-
Semi-volatile Organic Compounds									
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-
4-Methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-	-
Acenaphthene	mg/L	-	-	0.005 U	-	-	-	-	-
Acenaphthylene	mg/L	-	-	0.005 U	-	-	-	-	-
Anthracene	mg/L	-	-	0.005 U	-	-	-	-	-
Benzo(a)anthracene	mg/L	-	-	0.005 U	-	-	-	-	-
Benzo(a)pyrene	mg/L	-	-	0.005 U	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	-	-	0.005 U	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	-	-	0.005 U	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	-	-	0.005 U	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	-	-	-
Carbazole	mg/L	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-1*	*PFW-1*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-9*	*PFW-9*
Sample ID:		*GW-12636-100902-DD-003*	*GW-12636-120210-BW-006*	*PFW-2*	*PFW-2D*	*GW-12636-120310-BW-012*	*GW-12636-120310-BW-013*	*PFW-9*	*W-12636-060700-KMV-506*
Sample Date:		*10/9/2002*	*12/2/2010*	*4/1/1997*	*4/1/1997 (Duplicate)*	*12/3/2010*	*12/3/2010 (Duplicate)*	*4/1/1997*	*6/7/2000*
Parameters:	***Units***								
Chrysene	mg/L	-	-	0.005 U	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	-	-	0.005 U	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	0.005 U	-	-	-	-	-
Fluorene	mg/L	-	-	0.005 U	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	0.005 U	-	-	-	-	-
Isophorone	mg/L	-	-	-	-	-	-	-	-
Naphthalene	mg/L	-	-	0.005 U	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	0.005 U	-	-	-	-	-
Phenol	mg/L	-	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	0.005 U	-	-	-	-	-
Metals									
Aluminum	mg/L	-	0.2 U	-	-	0.2 U	0.2 U	-	-
Aluminum (dissolved)	mg/L	-	-	-	-	-	-	-	-
Antimony	mg/L	-	0.00029 J	-	-	0.002 U	0.002 U	-	-
Antimony (dissolved)	mg/L	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	0.489 [b]	0.005 U	0.005 U	0.0032 J	0.005 U	0.005 U	-
Arsenic (dissolved)	mg/L	-	-	-	-	-	-	-	-
Barium	mg/L	-	0.201	0.61	0.61	0.0585 J	0.0574 J	0.97	-
Barium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Beryllium	mg/L	-	0.001 U	-	-	0.001 U	0.001 U	-	-
Beryllium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	0.001 U	0.0005 U	0.0005 U	0.001 U	0.001 U	0.0005 U	-
Cadmium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	0.005 U	0.05 U	0.05 U	0.005 U	0.005 U	0.05 U	-
Chromium Total (dissolved)	mg/L	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	0.007 U	-	-	0.007 U	0.007 U	-	-
Cobalt (dissolved)	mg/L	-	-	-	-	-	-	-	-
Copper	mg/L	-	0.002 U	0.025 U	0.025 U	0.002 U	0.002 U	0.025 U	-
Copper (dissolved)	mg/L	-	-	-	-	-	-	-	-
Iron	mg/L	-	17 [b]	-	-	0.701 [b]	0.684 [b]	-	-
Iron (dissolved)	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.009 [b]	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-1*	*PFW-1*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-2*	*PFW-9*	*PFW-9*
Sample ID:		*GW-12636-100902-DD-003*	*GW-12636-120210-BW-006*	*PFW-2*	*PFW-2D*	*GW-12636-120310-BW-012*	*GW-12636-120310-BW-013*	*PFW-9*	*W-12636-060700-KMV-506*
Sample Date:		*10/9/2002*	*12/2/2010*	*4/1/1997*	*4/1/1997 (Duplicate)*	*12/3/2010*	*12/3/2010 (Duplicate)*	*4/1/1997*	*6/7/2000*
Parameters:	***Units***								
Lead (dissolved)	mg/L	0.003 U	-	-	-	-	-	-	0.003 U
Manganese	mg/L	-	0.06 [b]	-	-	0.963 [b]	0.91 [b]	-	-
Manganese (dissolved)	mg/L	-	-	-	-	-	-	-	-
Mercury	mg/L	-	0.0002 UJ	0.0002 U	0.0002 U	0.0002 UJ	0.0002 UJ	0.0002 U	-
Mercury (dissolved)	mg/L	-	-	-	-	-	-	-	-
Nickel	mg/L	-	0.02 U	-	-	0.02 U	0.02 U	-	-
Nickel (dissolved)	mg/L	-	-	-	-	-	-	-	-
Selenium	mg/L	-	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	-
Selenium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Silver	mg/L	-	0.0002 U	0.0005 U	0.0005 U	0.0002 U	0.0002 U	0.0005 U	-
Silver (dissolved)	mg/L	-	-	-	-	-	-	-	-
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Thallium	mg/L	-	0.001 U	-	-	0.001 U	0.001 U	-	-
Thallium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	0.004 U	-	-	0.004 U	0.004 U	-	-
Vanadium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Zinc	mg/L	-	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	-
Zinc (dissolved)	mg/L	-	-	-	-	-	-	-	-
Pesticides									
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-	-
Total PCBs	mg/L	-	-	-	-	-	-	-	-
General Chemistry									
Conductance, specific	umhos/cm	-	-	-	-	-	-	-	-
Cyanide (amenable)	mg/L	-	0.010 U	-	-	0.010 U	0.010 U	-	-
pH	s.u.	-	-	-	-	-	-	-	-
Temperature, field	Deg C	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	-	-	-	-	-	-	-	-
Total organic halides (TOX)	mg/L	-	-	-	-	-	-	-	-

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-9*	*PFW-9*	*PFW-9*	*PFW-10*	*PFW-10*	*PFW-10*	*PFW-11*	*PFW-11*
Sample ID:		*GW-12636-101702-DD-007*	*GW-12636-120210-BW-008*	*GW-12636-120210-BW-009*	*PFW-10*	*GW-12636-101702-DD-006*	*GW-12636-120310-BW-018*	*PFW-11*	*GW-12636-120210-BW-010*
Sample Date:		*10/17/2002*	*12/2/2010*	*12/2/2010 (Duplicate)*	*3/31/1997*	*10/17/2002*	*12/3/2010*	*4/1/1997*	*12/2/2010*
Parameters:	*Units*								
Volatile Organic Compounds									
1,1,1-Trichloroethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	-	0.005 U	0.005 U	-	-	0.005 U	-	0.005 U
1,2,4-Trimethylbenzene	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	-	0.001 UJ	0.001 UJ	-	-	0.001 UJ	-	0.001 UJ
1,2-Dibromoethane (Ethylene dibromide)	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
1,2-Dichlorobenzene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
1,3-Dichlorobenzene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	-	0.025 U	0.025 U	-	-	0.025 U	-	0.025 U
2-Chloroethyl vinyl ether	mg/L	-	-	-	0.01 U	-	-	0.01 U	-
2-Hexanone	mg/L	-	0.05 U	0.05 U	-	-	0.05 U	-	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone)	mg/L	-	0.05 U	0.05 U	-	-	0.05 U	-	0.05 U
Acetone	mg/L	-	0.025 U	0.025 U	-	-	0.0092 J	-	0.025 U
Benzene	mg/L	-	0.001 U	0.001 U	0.005 U	-	0.001 U	0.005 U	0.001 U
Bromodichloromethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	-	0.001 UJ	0.001 UJ	0.001 U	-	0.001 UJ	0.001 U	0.001 UJ
Carbon disulfide	mg/L	-	0.005 U	0.005 U	-	-	0.005 U	-	0.005 U
Carbon tetrachloride	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
Dibromochloromethane	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Isopropyl benzene	mg/L	-	0.005 U	0.005 U	-	-	0.005 U	-	0.005 U
m&p-Xylenes	mg/L	-	-	-	0.003 U	-	-	0.003 U	-
Methyl acetate	mg/L	-	0.01 U	0.01 U	-	-	0.01 U	-	0.01 U
Methyl cyclohexane	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
Methyl tert butyl ether (MTBE)	mg/L	-	0.005 U	0.005 U	-	-	0.005 U	-	0.005 U
Methylene chloride	mg/L	-	0.005 U	0.005 U	0.005 U	-	0.005 U	0.005 U	0.005 U
o-Xylene	mg/L	-	-	-	0.003 U	-	-	0.003 U	-
Styrene	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
Tetrachloroethene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Toluene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.00062 J	0.001 U	0.001 U

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-9*	*PFW-9*	*PFW-9*	*PFW-10*	*PFW-10*	*PFW-10*	*PFW-11*	*PFW-11*
Sample ID:		*GW-12636-101702-DD-007*	*GW-12636-120210-BW-008*	*GW-12636-120210-BW-009*	*PFW-10*	*GW-12636-101702-DD-006*	*GW-12636-120310-BW-018*	*PFW-11*	*GW-12636-120210-BW-010*
Sample Date:		*10/17/2002*	*12/2/2010*	*12/2/2010 (Duplicate)*	*3/31/1997*	*10/17/2002*	*12/3/2010*	*4/1/1997*	*12/2/2010*
Parameters:	*Units*								
trans-1,2-Dichloroethene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
Vinyl chloride	mg/L	-	0.001 U	0.001 U	0.001 U	-	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	-	0.002 U	0.002 U	-	-	0.002 U	-	0.002 U
Semi-volatile Organic Compounds									
1,2,4-Trichlorobenzene	mg/L	-	-	-	-	-	-	-	-
2,2'-Oxybis(2-chloropropane)	mg/L	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	mg/L	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	mg/L	-	-	-	-	-	-	-	-
2-Chloronaphthalene	mg/L	-	-	-	-	-	-	-	-
2-Chlorophenol	mg/L	-	-	-	-	-	-	-	-
2-Methylnaphthalene	mg/L	-	-	-	-	-	-	-	-
2-Methylphenol	mg/L	-	-	-	-	-	-	-	-
2-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
2-Nitrophenol	mg/L	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	mg/L	-	-	-	-	-	-	-	-
3-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Chloroaniline	mg/L	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	mg/L	-	-	-	-	-	-	-	-
4-Methylphenol	mg/L	-	-	-	-	-	-	-	-
4-Nitroaniline	mg/L	-	-	-	-	-	-	-	-
4-Nitrophenol	mg/L	-	-	-	-	-	-	-	-
Acenaphthene	mg/L	-	-	-	-	-	-	-	-
Acenaphthylene	mg/L	-	-	-	-	-	-	-	-
Anthracene	mg/L	-	-	-	-	-	-	-	-
Benzo(a)anthracene	mg/L	-	-	-	-	-	-	-	-
Benzo(a)pyrene	mg/L	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	mg/L	-	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	mg/L	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	mg/L	-	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	mg/L	-	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	mg/L	-	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	mg/L	-	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	mg/L	-	-	-	-	-	-	-	-
Carbazole	mg/L	-	-	-	-	-	-	-	-

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-9*	*PFW-9*	*PFW-9*	*PFW-10*	*PFW-10*	*PFW-10*	*PFW-11*	*PFW-11*
Sample ID:		*GW-12636-101702-DD-007*	*GW-12636-120210-BW-008*	*GW-12636-120210-BW-009*	*PFW-10*	*GW-12636-101702-DD-006*	*GW-12636-120310-BW-018*	*PFW-11*	*GW-12636-120210-BW-010*
Sample Date:		*10/17/2002*	*12/2/2010*	*12/2/2010 (Duplicate)*	*3/31/1997*	*10/17/2002*	*12/3/2010*	*4/1/1997*	*12/2/2010*
Parameters:	***Units***								
Chrysene	mg/L	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	mg/L	-	-	-	-	-	-	-	-
Dibenzofuran	mg/L	-	-	-	-	-	-	-	-
Diethyl phthalate	mg/L	-	-	-	-	-	-	-	-
Dimethyl phthalate	mg/L	-	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	mg/L	-	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	mg/L	-	-	-	-	-	-	-	-
Fluoranthene	mg/L	-	-	-	-	-	-	-	-
Fluorene	mg/L	-	-	-	-	-	-	-	-
Hexachlorobenzene	mg/L	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/L	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	mg/L	-	-	-	-	-	-	-	-
Hexachloroethane	mg/L	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	mg/L	-	-	-	-	-	-	-	-
Isophorone	mg/L	-	-	-	-	-	-	-	-
Naphthalene	mg/L	-	-	-	-	-	-	-	-
Nitrobenzene	mg/L	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	mg/L	-	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	mg/L	-	-	-	-	-	-	-	-
Pentachlorophenol	mg/L	-	-	-	-	-	-	-	-
Phenanthrene	mg/L	-	-	-	-	-	-	-	-
Phenol	mg/L	-	-	-	-	-	-	-	-
Pyrene	mg/L	-	-	-	-	-	-	-	-
Metals									
Aluminum	mg/L	-	1.3 J[b]	0.524 J[b]	-	-	0.2 U	-	1.57[b]
Aluminum (dissolved)	mg/L	-	-	-	-	-	-	-	-
Antimony	mg/L	-	0.00036 J	0.00026 J	-	-	0.002 U	-	0.00046 J
Antimony (dissolved)	mg/L	-	-	-	-	-	-	-	-
Arsenic	mg/L	-	0.005 U	0.005 U	0.005 U	-	0.005 U	0.005 U	0.005 U
Arsenic (dissolved)	mg/L	-	-	-	-	-	-	-	-
Barium	mg/L	-	0.0367 J	0.0343 J	2.6[b]	-	0.0458 J	1.1	0.0726 J
Barium (dissolved)	mg/L	-	-	-	-	0.0565	-	-	-
Beryllium	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
Beryllium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Cadmium	mg/L	-	0.001 U	0.001 U	0.0005 U	-	0.001 U	0.0006	0.001 U
Cadmium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Chromium	mg/L	-	0.005 U	0.005 U	0.05 U	-	0.005 U	0.05 U	0.0053
Chromium Total (dissolved)	mg/L	-	-	-	-	-	-	-	-
Cobalt	mg/L	-	0.007 U	0.007 U	-	-	0.007 U	-	0.0017 J
Cobalt (dissolved)	mg/L	-	-	-	-	-	-	-	-
Copper	mg/L	-	0.0075 J	0.0035 J	0.025 U	-	0.002 U	0.025 U	0.0135
Copper (dissolved)	mg/L	-	-	-	-	-	-	-	-
Iron	mg/L	-	7.78 J[b]	2.93 J[b]	-	-	0.1 U	-	2.73[b]
Iron (dissolved)	mg/L	-	-	-	-	-	-	-	-
Lead	mg/L	-	0.003 U	0.003 U	0.004	-	0.003 U	0.003 U	0.0125[b]

HISTORICAL RESULTS FOR THE 2010 MONITORING WELL NETWORK
FORMER PEREGRINE (US) INC. COLDWATER ROAD FACILITY
GENESEE TOWNSHIP, MICHIGAN

Sample Location:		*PFW-9*	*PFW-9*	*PFW-9*	*PFW-10*	*PFW-10*	*PFW-10*	*PFW-11*	*PFW-11*
Sample ID:		*GW-12636-101702-DD-007*	*GW-12636-120210-BW-008*	*GW-12636-120210-BW-009*	*PFW-10*	*GW-12636-101702-DD-006*	*GW-12636-120310-BW-018*	*PFW-11*	*GW-12636-120210-BW-010*
Sample Date:		*10/17/2002*	*12/2/2010*	*12/2/2010 (Duplicate)*	*3/31/1997*	*10/17/2002*	*12/3/2010*	*4/1/1997*	*12/2/2010*
Parameters:	***Units***								
Lead (dissolved)	mg/L	0.003 U	-	-	-	-	-	-	-
Manganese	mg/L	-	0.0519 J[b]	0.0208 J	-	-	0.16[b]	-	0.056[b]
Manganese (dissolved)	mg/L	-	-	-	-	-	-	-	-
Mercury	mg/L	-	0.0002 UJ	0.0002 UJ	0.0002 U	-	0.0002 UJ	0.0002 U	0.0002 UJ
Mercury (dissolved)	mg/L	-	-	-	-	-	-	-	-
Nickel	mg/L	-	0.0034 J	0.02 U	-	-	0.0036 J	-	0.006 J
Nickel (dissolved)	mg/L	-	-	-	-	-	-	-	-
Selenium	mg/L	-	0.005 U	0.005 U	0.005 U	-	0.005 U	0.005 U	0.005 U
Selenium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Silver	mg/L	-	0.0002 U	0.0002 U	0.0005 U	-	0.0002 U	0.0005 U	0.0002 U
Silver (dissolved)	mg/L	-	-	-	-	-	-	-	-
Sodium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Thallium	mg/L	-	0.001 U	0.001 U	-	-	0.001 U	-	0.001 U
Thallium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Vanadium	mg/L	-	0.0015 J	0.004 U	-	-	0.004 U	-	0.0032 J
Vanadium (dissolved)	mg/L	-	-	-	-	-	-	-	-
Zinc	mg/L	-	0.0546 J	0.0218 UJ	0.05	-	0.02 U	0.02 U	0.0563 J
Zinc (dissolved)	mg/L	-	-	-	-	-	-	-	-
Pesticides									
Aroclor-1016 (PCB-1016)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	mg/L	-	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	mg/L	-	-	-	-	-	-	-	-
Total PCBs	mg/L	-	-	-	-	-	-	-	-
General Chemistry									
Conductance, specific	umhos/cm	-	-	-	-	-	-	-	-
Cyanide (amenable)	mg/L	-	0.010 U	0.010 U	-	-	0.010 U	-	0.010 U
pH	s.u.	-	-	-	-	-	-	-	-
Temperature, field	Deg C	-	-	-	-	-	-	-	-
Total organic carbon (TOC)	mg/L	-	-	-	-	-	-	-	-
Total organic halides (TOX)	mg/L	-	-	-	-	-	-	-	-

Notes:

C - ID of pesticides results confirmed by GC/MS
J - Estimated concentration
U - Not present at or above the associated value
UJ - Estimated reporting limit
- - Not analyzed