

TABLE 2.1
MONTHLY AVERAGE PURGE WELL PUMPING RATES (GPM)
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM

<i>Bedrock Purge Wells</i>	<i>Set Points (Ft. AMSL)</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>Aug</i>	<i>Sept</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Monthly Average</i>
PW-1U	549	0.4	0.5	0.4	0.3	0.4	0.5	0.4	0.2	0.1				0.3
PW-1L	527	7.0	8.2	8.6	6.8	8.1	6.2	1.4	4.2	3.0				0.9
PW-2UR	559	0.8	1.0	0.9	1.1	5.7	2.7	2.2	0.8	0.3				1.7
PW-2M	532	29.9	34.5	37.6	24.3	27.6	39.4	38.5	36.6	35.0				6.6
PW-2L	505	1.3	2.1	0.8	1.3	1.3	0.0	0.0	0.0	0.0				0.8
PW-3M	522	0.0	0.0	0.1	0.3	0.6	0.1	0.1	0.1	0.1				2.8
PW-3L	525	6.1	7.0	6.7	4.4	7.0	6.6	5.5	4.5	5.1				5.9
PW-4U	573	0.5	0.5	0.6	0.7	0.6	0.6	0.4	0.3 (12)	0.4				0.5
PW-4M	522	0.0 (1)	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0				0.1
PW-5UR	555	3.5	5.3 (3)	5.8	3.2 (6)	5.6	3.1 (9,10)	4.5	4.0	3.2				4.2
PW-6UR	560	2.5	2.9	3.1	2.1	3.2	2.7	2.0	1.2	0.7				2.3
PW-6MR	505	4.8	4.6	4.4	3.1	3.8 (8)	3.9	3.4	2.8	3.8				3.8
PW-7U	540	1.3 (2)	2.2	3.0	3.7	3.9	3.8	3.4	3.6	3.1				3.1
PW-8M	520	3.5	3.9	5.4	0.1	5.1	1.3	2.0	1.2	1.1				2.6
PW-8U	546	1.0	0.0 (5)	0.4	1.1	1.8 (7)	0.1	0.0	0.1	0.1				0.5
PW-9U	542	0.0	0.0 (4)	0.0	0.1	2.6	2.1	2.2 (11)	3.5 (13)	1.2				1.3
PW-10U	542	1.5	1.3 (4)	0.7	1.7	0.2	0.5	0.4	0.5	0.1				0.8
Individual Total		64.2	74.0	78.4	54.6	77.4	73.7	66.4	63.6	57.4				67.7
Combined Meter		52.4	62.1	120.1	65.1	57.8	68.5	59.7	68.4	40.7				66.1

Notes:

- | | |
|---|--|
| <p>(1) PW-4M pulled twice plugging problems January 2002.</p> <p>(2) PW-7U placed into service January 2002.</p> <p>(3) PW-5UR Replaced Pump / Motor February 4 (plugged).</p> <p>(4) PW-9U and 10U Pulled February 20, to be drilled deeper.</p> <p>(5) PW-8U Pulled February 25.</p> <p>(6) PW-5UR Replaced Pump / Motor April 5, Well Cleaned.</p> | <p>(7) PW-8U Pump / Motor Replaced May 8.</p> <p>(8) PW-6MR Pump / Motor Replaced May 9.</p> <p>(9) PW-5UR Replaced Pump / Motor June 14.</p> <p>(10) PW-5UR Replaced Pump / Motor June 23.</p> <p>(11) PW-9U Replaced Motor July 8.</p> <p>(12) PW-4U Replaced Pump / Motor August 29.</p> <p>(13) PW-9U Replaced w / Protec Pump and Motor September 12.</p> |
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GPM Gallons Per Minute.

N / A Not Available.

**NAPL PRESENCE CHECKS
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Well I.D.</i>	<i>1st Quarter 2002</i>	<i>2nd Quarter 2002</i>	<i>3rd Quarter 2002</i>	<i>4th Quarter 2002</i>
A1U	YES	YES	YES	
A2U	YES	YES	NO	
B1L	NO	NO	NO	
B1M	NO	NO	NO	
B1U	NO	NO	NO	
BC3L	NO	NO	NO	
BC3M	NO	NO	NO	
BC3U	NO	NO	NO	
C1L	NO	NO	NO	
C1M	NO	NO	NO	
C1U	NO	NO	NO	
CD1L	NO	NO	NO	
CD1M	NO	NO	NO	
CD1U	YES	YES	YES	
CD2U	NO	NO	NO	
CD3U	NO	NO	NO	
D1L	NO	NO	NO	
D1M	NO	NO	NO	
D2M	NO	NO	NO	
D3U	NO	NO	NO	
D4L	NO	NO	NO	
D4U	NO	NO	NO	
D5L	NO	NO	NO	
E3M	NO	NO	NO	
E3U	NO	NO	NO	
E4L	NO	NO	NO	
E4U	YES	NO	NO	
E5U	NO	NO	NO	
F1M	NO	NO	NO	
F4L	NO	NO	NO	
F4M	NO	NO	NO	
F4U	NO	NO	NO	
F5UR	NO	NO	NO	
G1L	NO	NO	NO	
G1M	NO	NO	NO	
G3L	NO	NO	NO	
G3M	NO	NO	NO	
G3U	NO	NO	NO	
G4U	NO	NO	NO	
GH1U	NO	NO	NO	
H1L	NO	NO	NO	
H1M	NO	NO	NO	
H1U	NO	NO	NO	
H2L	NO	NO	NO	
H2M	NO	NO	NO	
H3L	-	-	NO	
H3U	YES	YES	YES	
J1M	NO	NO	NO	
J1U	NO	NO	NO	

**NAPL PRESENCE CHECKS
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Well I.D.</i>	<i>1st Quarter 2002</i>	<i>2nd Quarter 2002</i>	<i>3rd Quarter 2002</i>	<i>4th Quarter 2002</i>
J2M	NO	NO	NO	
J3L	NO	NO	NO	
J3U	YES	YES	YES	
J4L	NO	NO	NO	
J5U	-	YES	NO	
OMW-1	NO	NO	NO	
OMW-10R	NO	NO	NO	
OMW-11	NO	NO	NO	
OMW-11R	NO	NO	NO	
OMW-12R	NO	NO	NO	
OMW-13R	NO	NO	NO	
OMW14R	NO	NO	NO	
OMW-15	NO	NO	NO	
OMW-16R	NO	NO	NO	
OMW-2	NO	NO	NO	
OMW-3	NO	NO	NO	
OMW-4R	NO	NO	NO	
OMW-5	NO	NO	NO	
OMW-5R	NO	NO	NO	
OMW-6	NO	NO	NO	
OMW-7	NO	NO	NO	
OMW-8R	NO	NO	NO	
OMW-8R2	NO	NO	NO	
OMW-9	NO	NO	NO	
PMW-1L	YES	YES	NO	
PMW-3M	YES	YES	YES	
PW-2L	NO	NO	YES	
PW-3UM	YES	YES	YES	
PW-6UMR	NO	NO	YES	

Notes:

- (1) LNAPL found in well, no DNAPL (due to historic diesel fuel spill in well area).
 (2) Not NAPL but Fuel Oil.
 - Not Available.
 * Wells Checked on 12/10/98, strike at TAM (wells located on TAM property).
 Manual NAPL Recoveries Listed in Table 5.1 of this Report.
 LNAPL Light Aqueous Phase Liquid.
 NAPL Non-aqueous Phase Liquid.
 NO Not Observed.

TABLE 2.3
NAPL/APL RATIO
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM

	<i>NAPL Gallons</i>	<i>APL Gallons</i>	<i>NAPL/APL Ratio</i>
First Quarter 1999	940	5,426,453	0.000173
Second Quarter 1999	376	6,520,094	0.000058
Third Quarter 1999	899	6,408,207	0.000140
Fourth Quarter 1999	376	7,160,202	0.000053
First Quarter 2000	0	7,791,656	0.000000
Second Quarter 2000	188	7,259,189	0.000026
Third Quarter 2000	94	6,506,615	0.000014
Fourth Quarter 2000	2,350	6,642,719	0.000354
First Quarter 2001	1,034	6,838,819	0.000151
Second Quarter 2001	0	5,692,242	0.000000
Third Quarter 2001	1,632	4,829,806	0.000338
Fourth Quarter 2001	0	7,614,982	0.000000
First Quarter 2002	752	9,346,545	0.000080
Second Quarter 2002 *	349	8,997,098	0.000039
Third Quarter 2002 *	964	8,282,708	0.000116
Fourth Quarter 2002			

Notes:

APL Aqueous Phase Liquid.

NAPL Non-aqueous Phase Liquid.

* #1 Decanter Out of Service for Maintenance, Bedrock Wells Rerouted to #3 Decanter.

TABLE 2.4

WELL PURGING AND SAMPLING SUMMARY
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM

Well I.D.	Sample I.D.	Sample Date	Sample Time	Initial	Depth	Standing	Purge	Sample Parameters				Final	Comments
				Water Level (ft. BTOC)	of Well (ft. BTOC)	Well Volume (Gallons)	Volume (Gallons)	pH (s.u.)	Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	Water Quality	
A2U	A2U802	08/12/02	10:15	24.00	45.4	18.0	90	7.05	2010	15.2	7.9	CLEAR/CHEMICAL ODOR	
B1L	B1L802	08/09/02	10:25	95.40	57	5.5	27.5	6.99	60400	14.4	240	DR GREY/SUL ODOR	
B1M	B1M802	08/09/02	9:00	72.57	57	7.0	35	7.18	3690	13.5	6	CLEAR/ODORLESS	
B1U	B1U802	08/09/02	7:45	27.87	83	20.0	100	7.07	2160	12.8	3.12	CLEAR/ODORLESS	
C1L	C1L802	08/07/02	9:30	98.20	83	6.0	30	6.98	4450	12.6	8.2	CLEAR/ODORLESS	
C1M	C1M802	08/06/02	12:15	79.80	104	10.0	50	7.18	3130	12.9	210	CLOUDY/ODORLESS	
C1M	L1U802	08/06/02	8:00	79.80	104	10.0	50	7.18	3130	12.9	210	CLOUDY/ODORLESS	Dup of C1M802
C1U	C1U802	08/06/02	3:36	30.75	-	16.0	80	7.86	1210	12.2	18	CLEAR/ODORLESS	MS / MSD
CD3U	CD3U802	08/09/02	11:40	40.70	45.4	20.0	100	7.39	1050	13.3	10	CLEAR/ODORLESS	
D1L	D1L802	08/07/02	12:15	108.10	110	11.0	55	5.76	10000	16.1	-	BLACK/SEDIMENT	
D1U	D1U802	08/07/02	11:40	25.45	46.7	22.0	110	7.14	1140	13.2	56	CLEAR/ODORLESS	
D2M	D2M802	08/07/02	11:10	71.30	50.1	9.0	48	6.52	4280	12.2	46	CLEAR/ODORLESS	
D3U	D3U802	08/07/02	8:30	26.80	55.6	195.0	910	6.71	1690	13.6	60	CLEAR/ODORLESS	
D3U	L3U802	08/07/02	7:00	26.80	55.6	195.0	910	6.71	1690	13.6	60	CLEAR/ODORLESS	Dup of D3U802
E1U	E1U802	08/09/02	12:10	20.60	55.5	23.0	115	7.12	2010	12.1	8.7	CLEAR/ODORLESS	
E3M	E3M802	08/12/02	9:15	75.80	104	12.0	60	7.19	3230	13.5	2.1	CLEAR/ODORLESS	
E3U	E3U802	08/16/02	12:28	10.52	138	229.0	810	6.89	3180	15.4	45	CLEAR/ODORLESS	
F1M	F1M802	08/14/02	12:45	66.84	85.8	27.0	135	7.29	3410	14.5	1.1	CLEAR/ODORLESS	MS / MSD
G4U	G4U802	08/16/02	13:40	21.10	124	23.0	115	7.1	1237	12	1.9	CLEAR/ODORLESS	
H1U	H1U802	08/15/02	11:50	32.70	48.3	26.0	130	6.93	1417	11.9	26	CLEAR/ODORLESS	
H3L	H3L802	08/15/02	12:50	60.40	147	52.0	260	6.14	1826	13	6.1	CLEAR/ODORLESS	
J1U	J1U802	08/15/02	9:30	23.92	94	16.0	70	7.43	10530	13	30	CLEAR/ODORLESS	
J2M	J2M802	08/14/02	13:40	51.47	81.5	32.0	160	7.17	2210	13.9	3.4	CLEAR/SEWER ODOR	
J3L	J3L802	08/15/02	8:50	49.75	110	47.0	235	6.03	80500	16.3	40	CLEAR/SLIGHT CHEM ODOR	

Notes:

- (1) All Wells are 4"f, Except D3U and E3U (Former Purge Wells PW-2U and PW-5U) Which are 12"f.
- Cond Specific Conductivity.
- Dup Duplicate Sample.
- ft. BTOC Feet Below Top of Casing.
- MS / MSD Matrix Spike / Matrix Spike Duplicate.
- NTU Normal Turbidity Units.
- s.u. Standard pH Units.
- Temp Temperature.

TABLE 2.5

**ANALYTICAL RESULTS SUMMARY
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER - 2002
HYDE PARK RRT PROGRAM**

Sample Location:		A2U	B1L	B1M	B1U	C1L	C1M	C1M	C1U	CD3U	D1L	D1U	D2M	D3U
Sample ID:		A2U802	B1L802	B1M802	B1U802	C1L802	C1M802	LIU802	C1U802	CD3U802	D1L802	D1U802	D2M802	D3U802
Sample Date:		08/12/02	08/09/02	08/09/02	08/09/02	08/07/02	08/06/02	08/06/02	08/06/02	08/09/02	08/07/02	08/07/02	08/07/02	08/07/02
		Duplicate												
Parameter	Unit													
Acids														
2-Chlorobenzoic acid	mg / L	0.113	0.239	0.0250 U	0.286	0.0250 U	0.0250 U	0.0250 U	0.0830	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
3-Chlorobenzoic acid	mg / L	0.0300 U	0.0300 U	0.0300 U	0.165	0.0300 U	0.0300 U	0.0300 U	0.0552	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U
4-Chlorobenzoic acid	mg / L	0.0315	0.005 U	0.005 U	0.0657	0.005 U	0.005 UJ	0.005 UJ	0.0364 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzoic acid	mg / L	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Chlorendic acid	mg / L	0.796	0.317	0.238	1.54	1.13	0.702 J	0.378 J	0.894	0.132	0.0500 U	0.0500 U	0.263	0.721
General Chemistry														
Total Organic Halides (TOX)	ug / L	1060	370	71.2	4200 J	1380	989	709	1160	179	615	174	339	788
Phenolics (Total)	mg / L	0.0105 UJ	2.11 J	0.128 UJ	0.203 UJ	0.0111 UJ	1.55 J	0.0824 J	0.0163 UJ	0.145 UJ	14.3 J	0.0444 UJ	0.0121 UJ	0.0139 UJ
Sample Location:		D3U	E1U	E3M	E3U	F1M	G4U	H1U	H3L	J1U	J2M	J3L		
Sample ID:		L3U802	E1U802	E3M802	E3U802	F1M802	G4U802	H1U802	H3L802	J1U802	J2M802	J3L802		
Sample Date:		08/07/02	08/09/02	08/12/02	08/16/02	08/14/02	08/15/02	08/15/02	08/15/02	08/15/02	08/14/02	08/15/02		
		Duplicate												
Parameter	Unit													
Acids														
2-Chlorobenzoic acid	mg / L	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0487	0.0250 U	2.83	1.78		
3-Chlorobenzoic acid	mg / L	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.298	0.481		
4-Chlorobenzoic acid	mg / L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.249	0.246		
Benzoic acid	mg / L	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	3.69	1.25		
Chlorendic acid	mg / L	0.690	0.0500 U	0.0500 U	0.116	0.0500 U	0.0500 U	0.645	0.0500 U	0.0500 U	0.200 U	0.242		
General Chemistry														
Total Organic Halides (TOX)	ug / L	841	367	212	239	68.7	81.6	730	337	330	17100	3430		
Phenolics (Total)	mg / L	0.0139 UJ	0.138 UJ	0.126 UJ	1.48 J	0.0334 UJ	0.0274 UJ	0.0178 UJ	0.573 UJ	0.0165 UJ	1.40 J	0.851 J		

Notes:

NDx - Non-detect at or above x.

J-Estimated.

TABLE 2.6

RESULTS OF STATISTICAL TREND ANALYSES MONITORING EVALUATION
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM

Case	Location	Location	Analyte	Number of Observations	Percentage Non-Detect	Trend Test			
						Method	Test Statistic	Probability	Conclusion
1	B1U	B1U	Benzoic Acid	11	91%	Logistic	-0.227	0.921	NST
2	B1U		Chlorendic Acid	11	9%	Mann-Kendall	-1	1	NST
3	B1U		Phenolics	11	36%	Mann-Kendall	0	1	NST
4	B1U		Total Chlorobenzoic Acid	11	9%	Mann-Kendall	7	0.64	NST
5	B1U		Total Organic Halides	11	9%	Mann-Kendall	-43	0.001	Decreasing
6									
7	B1M	B1M	Benzoic Acid	11	82%	Logistic	-4.77E-04	0.859	NST
8	B1M		Chlorendic Acid	11	18%	Mann-Kendall	-1	1	NST
9	B1M		Phenolics	11	64%	Logistic	0.002	0.311	NST
10	B1M		Total Chlorobenzoic Acid	11	18%	Mann-Kendall	4	0.815	NST
11	B1M		Total Organic Halides	11	9%	Mann-Kendall	-12	0.392	NST
12									
13	B1L	B1L	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
14	B1L		Chlorendic Acid	11	18%	Mann-Kendall	-2	0.938	NST
15	B1L		Phenolics	11	27%	Mann-Kendall	21	0.119	NST
16	B1L		Total Chlorobenzoic Acid	11	9%	Mann-Kendall	0	1	NST
17	B1L		Total Organic Halides	11	9%	Mann-Kendall	-33	0.013	Decreasing
18									
19	C1U	C1U	Benzoic Acid	11	91%	Logistic	-0.227	0.921	NST
20	C1U		Chlorendic Acid	11	9%	Mann-Kendall	-1	1	NST
21	C1U		Phenolics	11	45%	Mann-Kendall	-26	0.052	NST
22	C1U		Total Chlorobenzoic Acid	11	27%	Mann-Kendall	-7	0.64	NST
23	C1U		Total Organic Halides	11	0%	Mann-Kendall	-33	0.013	Decreasing
24									
25	C1M	C1M	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
26	C1M		Chlorendic Acid	11	9%	Mann-Kendall	0	1	NST
27	C1M		Phenolics	11	64%	Logistic	0.008	0.089	NST
28	C1M		Total Chlorobenzoic Acid	11	82%	Logistic	-0.003	0.349	NST
29	C1M		Total Organic Halides	11	9%	Mann-Kendall	-25	0.062	NST
30									
31	C1L	C1L	Benzoic Acid	10	100%	Non-Detect	ND	ND	ND
32	C1L		Chlorendic Acid	10	20%	Mann-Kendall	10	0.421	NST
33	C1L		Phenolics	10	60%	Mann-Kendall	0	1	NST
34	C1L		Total Chlorobenzoic Acid	10	30%	Mann-Kendall	0	1	NST
35	C1L		Total Organic Halides	10	0%	Mann-Kendall	-20	0.089	NST
36									
37	D3U	D3U	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
38	D3U		Chlorendic Acid	11	0%	Mann-Kendall	-3	0.876	NST
39	D3U		Phenolics	11	82%	Logistic	0.005	0.216	NST
40	D3U		Total Chlorobenzoic Acid	11	100%	Non-Detect	ND	ND	ND
41	D3U		Total Organic Halides	11	0%	Mann-Kendall	-18	0.186	NST
42									
43	D2M	D2M	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
44	D2M		Chlorendic Acid	11	18%	Mann-Kendall	-2	0.938	NST
45	D2M		Phenolics	11	36%	Mann-Kendall	0	1	NST
46	D2M		Total Chlorobenzoic Acid	11	27%	Mann-Kendall	-2	0.938	NST
47	D2M		Total Organic Halides	11	0%	Mann-Kendall	-20	0.139	NST
48									
49	D1L	D1L	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
50	D1L		Chlorendic Acid	11	100%	Non-Detect	ND	ND	ND
51	D1L		Phenolics	11	9%	Mann-Kendall	21	0.119	NST
52	D1L		Total Chlorobenzoic Acid	11	91%	Logistic	-0.004	0.386	NST
53	D1L		Total Organic Halides	11	18%	Mann-Kendall	-9	0.533	NST
54									
55	E3U	E3U	Benzoic Acid	10	100%	Non-Detect	ND	ND	ND
56	E3U		Chlorendic Acid	10	40%	Mann-Kendall	0	1	NST
57	E3U		Phenolics	11	64%	Logistic	0.009	0.095	NST
58	E3U		Total Chlorobenzoic Acid	10	100%	Non-Detect	ND	ND	ND
59	E3U		Total Organic Halides	11	36%	Mann-Kendall	0	1	NST
60									
61	E3M	E3M	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
62	E3M		Chlorendic Acid	11	100%	Non-Detect	ND	ND	ND
63	E3M		Phenolics	11	82%	Logistic	0.001	0.835	NST

TABLE 2.6

**RESULTS OF STATISTICAL TREND ANALYSES MONITORING EVALUATION
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

Case	Location	Location	Analyte	Number of Observations	Percentage Non-Detect	Trend Test			
						Method	Test Statistic	Probability	Conclusion
64	E3M		Total Chlorobenzoic Acid	11	100%	Non-Detect	ND	ND	ND
65	E3M		Total Organic Halides	11	45%	Mann-Kendall	-7	0.64	NST
66									
67	E2L	E2L	Benzoic Acid	--	--	--	--	--	--
68	E2L		Chlorendic Acid	--	--	--	--	--	--
69	E2L		Phenolics	--	--	--	--	--	--
70	E2L		Total Chlorobenzoic Acid	--	--	--	--	--	--
71	E2L		Total Organic Halides	--	--	--	--	--	--
72									
73	F4U	F4U	Benzoic Acid	10	100%	Non-Detect	ND	ND	ND
74	F4U		Chlorendic Acid	10	90%	Logistic	0.012	0.346	NST
75	F4U		Phenolics	10	80%	Logistic	0.002	0.596	NST
76	F4U		Total Chlorobenzoic Acid	10	100%	Non-Detect	ND	ND	ND
77	F4U		Total Organic Halides	10	10%	Mann-Kendall	0	1	NST
78									
79	F1M	F1M	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
80	F1M		Chlorendic Acid	11	100%	Non-Detect	ND	ND	ND
81	F1M		Phenolics	11	91%	Logistic	0.003	0.546	NST
82	F1M		Total Chlorobenzoic Acid	11	91%	Logistic	0.001	0.738	NST
83	F1M		Total Organic Halides	11	45%	Mann-Kendall	0	1	NST
84									
85	F2L	F2L	Benzoic Acid	--	--	--	--	--	--
86	F2L		Chlorendic Acid	--	--	--	--	--	--
87	F2L		Phenolics	--	--	--	--	--	--
88	F2L		Total Chlorobenzoic Acid	--	--	--	--	--	--
89	F2L		Total Organic Halides	--	--	--	--	--	--
90									
91	G4U	G4U	Benzoic Acid	10	100%	Non-Detect	ND	ND	ND
92	G4U		Chlorendic Acid	10	100%	Non-Detect	ND	ND	ND
93	G4U		Phenolics	10	80%	Logistic	0.005	0.233	NST
94	G4U		Total Chlorobenzoic Acid	10	100%	Non-Detect	ND	ND	ND
95	G4U		Total Organic Halides	10	50%	Logistic	0.004	0.176	NST
96									
97	G1M	G1M (*)	Benzoic Acid	9	100%	Non-Detect	ND	ND	ND
98	G1M		Chlorendic Acid	9	100%	Non-Detect	ND	ND	ND
99	G1M		Phenolics	9	56%	Logistic	-0.004	0.247	NST
100	G1M		Total Chlorobenzoic Acid	9	100%	Non-Detect	ND	ND	ND
101	G1M		Total Organic Halides	9	56%	Logistic	-0.004	0.301	NST
102									
103	G1L	G1L (*)	Benzoic Acid	9	100%	Non-Detect	ND	ND	ND
104	G1L		Chlorendic Acid	9	100%	Non-Detect	ND	ND	ND
105	G1L		Phenolics	9	33%	Mann-Kendall	0	1	NST
106	G1L		Total Chlorobenzoic Acid	9	100%	Non-Detect	ND	ND	ND
107	G1L		Total Organic Halides	9	11%	Mann-Kendall	4	0.754	NST
108									
109	H1U	H1U	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
110	H1U		Chlorendic Acid	11	36%	Mann-Kendall	10	0.484	NST
111	H1U		Phenolics	11	91%	Logistic	0.003	0.541	NST
112	H1U		Total Chlorobenzoic Acid	11	73%	Logistic	0.002	0.482	NST
113	H1U		Total Organic Halides	11	9%	Mann-Kendall	-8	0.586	NST
114									
115	H2M	H2M	Benzoic Acid	10	90%	Logistic	-0.003	0.571	NST
116	H2M		Chlorendic Acid	10	100%	Non-Detect	ND	ND	ND
117	H2M		Phenolics	10	70%	Logistic	0.002	0.508	NST
118	H2M		Total Chlorobenzoic Acid	10	0%	Mann-Kendall	5	0.721	NST
119	H2M		Total Organic Halides	10	10%	Mann-Kendall	0	1	NST
120									
121	H3L	H3L	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND
122	H3L		Chlorendic Acid	11	100%	Non-Detect	ND	ND	ND
123	H3L		Phenolics	11	73%	Logistic	0.001	0.779	NST
124	H3L		Total Chlorobenzoic Acid	11	36%	Mann-Kendall	0	1	NST
125	H3L		Total Organic Halides	11	9%	Mann-Kendall	0	1	NST
126									
127	J1U	J1U	Benzoic Acid	11	100%	Non-Detect	ND	ND	ND

RESULTS OF STATISTICAL TREND ANALYSES MONITORING EVALUATION
NAPL PLUME CONTAINMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM

Case	Location	Location	Analyte	Number of Observations	Percentage Non-Detect	Trend Test			
						Method	Test Statistic	Probability	Conclusion
128	J1U		Chlorendic Acid	11	100%	Non-Detect	ND	ND	ND
129	J1U		Phenolics	11	91%	Logistic	0.003	0.547	NST
130	J1U		Total Chlorobenzoic Acid	11	100%	Non-Detect	ND	ND	ND
131	J1U		Total Organic Halides	11	64%	Logistic	-0.003	0.272	NST
132									
133	J2M	J2M	Benzoic Acid	11	45%	Mann-Kendall	11	0.436	NST
134	J2M		Chlorendic Acid	11	64%	Logistic	0.003	0.234	NST
135	J2M		Phenolics	11	9%	Mann-Kendall	23	0.087	NST
136	J2M		Total Chlorobenzoic Acid	11	0%	Mann-Kendall	28	0.036	Increasing
137	J2M		Total Organic Halides	11	9%	Mann-Kendall	13	0.35	NST
138									
139	J3L	J3L	Benzoic Acid	11	9%	Mann-Kendall	11	0.218	NST
140	J3L		Chlorendic Acid	11	91%	Logistic	0.262	0.913	NST
141	J3L		Phenolics	11	9%	Mann-Kendall	-2	0.938	NST
142	J3L		Total Chlorobenzoic Acid	11	9%	Mann-Kendall	15	0.276	NST
143	J3L		Total Organic Halides	11	9%	Mann-Kendall	-17	0.213	NST
144									
145									

Notes:

Data used for the statistical tests include monitoring events from 2000 to present.

Logistic: Logistic regression used for trend test ($\geq 50\%$ ND).

Mann- Kendall: Mann-Kendall: Mann Kendall method used for trend test ($<50\%$ ND).

ND: Parameter not detected at this location. No trend analysis performed.

NST: No statistically significant ($P < 0.05$) trend detected.

Increasing: Statistically significant ($P < 0.05$) increasing trend detected.

Decreasing: Statistically significant ($P < 0.05$) decreasing trend detected.

-: No data collected at wells E2L and F2L during the past 2 years.

(*): The wells G1L and G1M were not sampled during the third quarter 2002 round of sampling.

TABLE 2.7

**COMPARISON OF STATISTICAL TREND ANALYSES
(2001 THROUGH THIRD QUARTER 2002 DATA)
NAPL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM**

Case	Location	Location	Analyte	First Quarter 2001		Second Quarter 2001		Third Quarter 2001		Fourth Quarter 2001		First Quarter 2002		Second Quarter 2002		Third Quarter 2002	
				Number of Samples	Conclusion	Number of Samples	Conclusion	Number of Samples	Conclusion	Number of Samples	Conclusion	Number of Samples	Conclusion	Number of Samples	Conclusion	Number of Samples	Conclusion
1	B1U	B1U	Chlorendic Acid	9	NST	10	NST	11	NST	8	Increasing	9	NST	10	NST	11	NST
2	B1U	B1U	Total Organic Halides	9	NST	10	NST	11	NST	8	Decreasing	9	Decreasing	10	Decreasing	11	Decreasing
3																	
4	B1M	B1M	Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	NST	9	NST	10	NST	11	NST
5	B1M	B1M	Total Organic Halides	9	Decreasing	10	Decreasing	11	NST	8	NST	9	NST	10	NST	11	NST
6																	
7	B1L	B1L	Total Organic Halides	9	NST	10	NST	11	NST	8	NST	9	NST	10	Decreasing	11	Decreasing
8																	
9	C1U	C1U	Phenolics	9	NST	10	Decreasing	11	Decreasing	8	NST	9	NST	10	NST	11	NST
10	C1U	C1U	Total Organic Halides	9	NST	10	NST	11	NST	8	NST	9	Decreasing	10	Decreasing	11	Decreasing
11																	
12	C1M	C1M	Chlorendic Acid	9	Decreasing	10	NST	11	NST	8	NST	9	NST	10	NST	11	NST
13	C1M	C1M	Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	NST	9	NST	10	NST	11	NST
14	C1M	C1M	Total Organic Halides	9	NST	10	NST	11	NST	8	Decreasing	9	Decreasing	10	Decreasing	11	NST
15																	
16	C1L	C1L	Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	NST	9	NST	9	NST	10	NST
17	C1L	C1L	Total Organic Halides	9	Decreasing	10	Decreasing	11	Decreasing	8	NST	9	NST	9	Decreasing	10	NST
18																	
19	D3U	D3U	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
20																	
21	D2M	D2M	Phenolics	9	NST	10	NST	11	NST	8	Decreasing	9	NST	10	NST	11	NST
22			Total Organic Halides	9	NST	10	NST	11	NST	8	NST	9	NST	10	Decreasing	11	NST
23	D1L	D1L	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24																	
25	E3U	E3U	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
26																	
27	E3M	E3M	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
28																	
29	E2L	E2L	No Data	--	--	--	--	--	--	--	--	--	--	--	--	--	--
30																	
31	F4U	F4U	Total Organic Halides	9	NST	10	NST	11	Decreasing	8	Decreasing	9	NST	10	NST	10	NST
32																	
33	F1M	F1M	Total Organic Halides	9	NST	10	NST	11	Decreasing	8	NST	9	NST	10	NST	11	NST
34																	
35	F2L	F2L	No Data	--	--	--	--	--	--	--	--	--	--	--	--	--	--
36																	
37	G4U	G4U	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
38																	
39	G1M	G1M	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
40																	
41	G1L	G1L	Total Organic Halides	9	Decreasing	10	Decreasing	11	NST	8	NST	9	NST	9	NST	9	NST
42																	
43	H1U	H1U	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
44																	
45	H2M	H2M	Total Organic Halides	9	Decreasing	10	NST	11	NST	8	NST	9	NST	10	NST	10	NST
46																	
47	H3L	H3L	Total Organic Halides	9	Decreasing	10	Decreasing	11	Decreasing	8	NST	9	NST	10	NST	11	NST
48																	
49	J1U	J1U	No Trends	--	--	--	--	--	--	--	--	--	--	--	--	--	--
50																	

TABLE 2.7

COMPARISON OF STATISTICAL TREND ANALYSES
(2001 THROUGH THIRD QUARTER 2002 DATA)
NAPL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM

<i>Case</i>	<i>Location</i>	<i>Location</i>	<i>Analyte</i>	<i>First Quarter 2001</i>		<i>Second Quarter 2001</i>		<i>Third Quarter 2001</i>		<i>Fourth Quarter 2001</i>		<i>First Quarter 2002</i>		<i>Second Quarter 2002</i>		<i>Third Quarter 2002</i>	
				<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>
51	J2M	J2M	Benzoic Acid	9	Decreasing	10	NST	11	NST	8	NST	9	NST	10	NST	11	NST

TABLE 2.7

**COMPARISON OF STATISTICAL TREND ANALYSES
(2001 THROUGH THIRD QUARTER 2002 DATA)
NAPL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM**

<i>Case</i>	<i>Location</i>	<i>Location</i>	<i>Analyte</i>	<i>First Quarter 2001</i>		<i>Second Quarter 2001</i>		<i>Third Quarter 2001</i>		<i>Fourth Quarter 2001</i>		<i>First Quarter 2002</i>		<i>Second Quarter 2002</i>		<i>Third Quarter 2002</i>	
				<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>
52	J2M		Phenolics	9	Decreasing	10	Decreasing	11	NST	8	NST	9	NST	10	NST	11	NST
53	J2M		Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	Increasing	9	Increasing	10	Increasing	11	Increasing
54	J2M		Total Organic Halides	9	Decreasing	10	NST	11	NST	8	NST	9	NST	10	NST	11	NST
55																	
56	J3L	J3L	Total Chlorobenzoic Acid	9	NST	10	NST	11	NST	8	Increasing	9	NST	10	NST	11	NST

Notes:

No Trends: No statistically significant trends identified to date for any of the analytes at this well.

No Data: No data collected at this well for the year 2001 sampling rounds.

NST: No statistically significant ($P < 0.05$) trend detected.

Increasing: Statistically significant ($P < 0.05$) increasing trend detected.

Decreasing: Statistically significant ($P < 0.05$) decreasing trend detected.

TABLE 4.1

**HYDRAULIC GRADIENT SUMMARY
OVERBURDEN BARRIER COLLECTION SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

Well Pair	07/03/02			07/10/02			07/16/02			07/24/02		
	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic
	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)
OMW-1-OMW-2	598.57	601.69	-3.12	597.87	600.89	-3.02	597.87	600.69	-2.82	597.27	599.79	-2.52
OMW-3-OMW-4R	588.27	590.03	-1.76	587.07	590.13	-3.06	586.87	590.03	-3.16	586.97	589.93	-2.96
OMW-5R-OMW-6	581.85	586.07	-4.22	581.15	585.77	-4.62	581.15	585.67	-4.52	580.45	585.77	-5.32
OMW-8R2-OMW-7	586.41	584.89	1.52	586.31	584.99	1.32	586.21	584.89	1.32	585.81	584.79	1.02
OMW-10R-OMW-9	586.49	587.27	-0.78	586.69	587.37	-0.68	586.69	587.37	-0.68	586.19	586.97	-0.78
OMW-11R-OMW-12R	590.77	590.95	-0.18	590.87	591.05	-0.18	590.77	590.95	-0.18	590.17	590.75	-0.58
OMW-13R-OMW-14R	593.24	591.42	1.82	593.54	591.52	2.02	593.34	591.32	2.02	592.34	591.02	1.32
OMW-15-OMW-16R	602.34	602.73	-0.39	602.44	602.93	-0.49	602.24	602.83	-0.59	601.54	603.73	-2.19

Well Pair	07/31/02			08/07/02			08/14/02			08/21/02		
	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic
	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)	Elevation (feet AMSL)	Elevation (feet AMSL)	Gradients(1)
OMW-1-OMW-2	597.37	N / A	N / A	N / A	N / A	N / A	605.87	606.39	-0.52	605.87	606.39	-0.52
OMW-3-OMW-4R	586.87	589.83	-2.96	587.27	589.72	-2.45	586.97	589.63	-2.66	586.27	589.53	-3.26
OMW-5R-OMW-6	580.35	585.77	-5.42	579.65	580.77	-1.12	579.50	585.72	-6.22	579.25	585.57	-6.32
OMW-8R2-OMW-7	585.81	584.79	1.02	585.61	584.59	1.02	585.41	584.49	0.92	585.21	587.39	-2.18
OMW-10R-OMW-9	585.99	586.97	-0.98	589.29	587.86	1.43	588.29	586.87	1.42	586.59	587.07	-0.48
OMW-11R-OMW-12R	590.17	590.55	-0.38	590.47	588.95	1.52	590.27	589.05	1.22	590.17	587.65	2.52
OMW-13R-OMW-14R	592.24	590.82	1.42	595.24	591.22	4.02	595.14	590.92	4.22	591.94	591.42	0.52
OMW-15-OMW-16R	601.34	603.53	-2.19	601.34	602.83	-1.49	601.34	602.73	-1.39	601.04	600.73	0.31

TABLE 4.1

**HYDRAULIC GRADIENT SUMMARY
OVERBURDEN BARRIER COLLECTION SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

Well Pair	08/28/02			09/04/02			09/11/02			09/18/02		
	Inner Elevation (feet AMSL)	Outer Elevation (feet AMSL)	Hydraulic Gradients(1)	Inner Elevation (feet AMSL)	Outer Elevation (feet AMSL)	Hydraulic Gradients(1)	Inner Elevation (feet AMSL)	Outer Elevation (feet AMSL)	Hydraulic Gradients(1)	Inner Elevation (feet AMSL)	Outer Elevation (feet AMSL)	Hydraulic Gradients(1)
OMW-1-OMW-2	605.87	606.39	-0.52	605.87	606.39	-0.52	605.87	606.39	-0.52	605.87	606.39	-0.52
OMW-3-OMW-4R	586.02	589.33	-3.31	586.17	588.93	-2.76	585.97	588.93	-2.96	599.27	588.53	10.74
OMW-5R-OMW-6	579.15	585.67	-6.52	578.75	585.47	-6.72	578.35	585.37	-7.02	578.20	585.37	-7.17
OMW-8R2-OMW-7	585.06	584.14	0.92	584.96	583.82	1.14	595.31	584.09	11.22	595.31	583.99	11.32
OMW-10R-OMW-9	586.49	587.37	-0.88	586.39	589.87	-3.48	586.59	589.87	-3.28	589.59	589.67	-0.08
OMW-11R-OMW-12R	589.97	587.65	2.32	589.77	590.55	-0.78	589.72	590.45	-0.73	589.47	590.55	-1.08
OMW-13R-OMW-14R	592.04	591.62	0.42	591.74	591.52	0.22	591.54	591.62	-0.08	591.44	591.52	-0.08
OMW-15-OMW-16R	600.94	600.73	0.21	600.74	600.33	0.41	600.69	600.23	0.46	600.54	601.43	-0.89

Notes:

(1) - Negative number indicates an inward / downward gradient measured in feet.

N / A - Not Applicable.

AMSL - Above Mean Sea Level.

TABLE 4.2
OVERBURDEN BARRIER COLLECTION SYSTEM
NAPL PRESENCE MONITORING
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM

<i>Well I.D.</i>	<i>1st Quarter 2002</i>	<i>2nd Quarter 2002</i>	<i>3rd Quarter 2002</i>	<i>4th Quarter 2002</i>
OMW1	NO	NO	NO	
OMW2	NO	NO	NO	
OMW3	NO	NO	NO	
OMW4	-	-	-	
OMW4R	NO	NO	NO	
OMW5	-	-	-	
OMW5R	NO	NO	NO	
OMW6	NO	NO	NO	
OMW7	NO	NO	NO	
OMW8	-	-	-	
OMW8R	-	-	-	
OMW8R2	NO	NO	NO	
OMW9	NO	NO	NO	
OMW10	-	-	-	
OMW10R	NO	NO	NO	
OMW11	-	-	-	
OMW11R	NO	NO	NO	
OMW12	-	-	-	
OMW12R	NO	NO	NO	
OMW13	-	-	-	
OMW13R	NO	NO	NO	
OMW14	-	-	-	
OMW14R	NO	NO	NO	
OMW15	NO	NO	NO	
OMW16	-	-	-	
OMW16R	NO	NO	NO	

Notes:

- Not Available.
NO Not Observed.

TABLE 5.1

**DAILY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Date</i>	<i>Operating Hours</i>	<i>TOC* - mg/L</i>			<i>PHENOL** - mg/L</i>						<i>Effluent</i>		
		<i>C.B. Feed</i>	<i>1st Instg.</i>	<i>Effluent</i>	<i>C.B. Feed</i>	<i>1st Instg.</i>	<i>2nd Instg.</i>	<i>3rd Instg.</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>pH</i>	<i>Gallons</i>	<i>Comments</i>
07/01/02	10	-	-	5.2 J	-	0.853	0.377	-	-	0.327 J	6.94	205000	
07/02/02	10	-	-	3.8	-	0.961	0.476	-	-	0.298	7.19	204000	
07/03/02	10	-	-	4.4 J	-	0.0564	-	-	-	0.251 J	7.19	155000	
07/04/02	-	-	-	-	-	-	-	-	-	-	-	-	
07/05/02	10	-	-	5.4 J	-	3.98	-	-	-	0.286 J	7.35	201000	
07/06/02	10	-	-	-	-	-	-	-	-	-	-	-	
07/07/02	10	-	-	-	-	-	-	-	-	-	-	-	
07/08/02	-	-	-	11 J	-	0.782	0.485	-	-	0.274 J	-	-	
07/09/02	-	-	-	7.0 J	-	0.667	-	-	-	0.253	-	-	
07/10/02	10	-	-	4.9 J	-	0.514	-	-	-	0.312 J	7.23	111000	
07/11/02	10	-	-	6.2	-	0.667	-	-	-	0.390	7.46	114000	
07/12/02	10	-	-	5.7 J	-	0.870	-	-	-	0.347 J	7.6	101000	
07/13/02	10	-	-	-	-	-	-	-	-	-	-	-	
07/14/02	10	-	-	-	-	-	-	-	-	-	-	-	
07/15/02	-	-	-	5.3 J	-	1.12	1.27	-	-	0.337 J	-	-	
07/16/02	-	-	-	7.6 J	-	0.876	-	-	-	0.332 J	-	-	
07/17/02	20	-	-	4.0 J	-	0.808	-	-	-	0.338 J	7.5	116000	
07/18/02	10	-	-	4.6	-	1.16	-	-	-	0.297	7.52	97000	
07/19/02	10	-	-	5.3	-	1.41	-	-	-	0.304	7.46	111000	
07/20/02	-	-	-	-	-	-	-	-	-	-	-	-	
07/21/02	10	-	-	-	-	-	-	-	-	-	-	-	
07/22/02	10	-	-	5.4	-	0.958	0.403	-	-	0.244	7.55	193000	
07/23/02	10	-	-	7.7 J	-	1.27	-	-	-	0.327 J	7.34	181000	
07/24/02	10	-	-	5.1	-	0.897	-	-	-	0.419	7.34	85000	
07/25/02	10	-	-	6.5 J	-	0.754	-	-	-	0.270 J	7.43	66000	
07/26/02	10	-	-	6.6 J	-	1.14	-	-	-	0.259 J	7.26	126000	
07/27/02	-	-	-	-	-	-	-	-	-	-	-	-	
07/28/02	-	-	-	-	-	-	-	-	-	-	-	-	
07/29/02	8	-	-	6.7 J	-	1.06	0.689	-	-	0.504 J	7.53	216000	
07/30/02	8	-	-	8.2 J	-	1.12	-	-	-	0.427 J	7.43	212000	
07/31/02	8	-	-	6.1 J	-	1.26	-	-	-	0.431 J	7.4	122000	

TABLE 5.1

**DAILY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Operating</i>		<i>TOC* - mg/L</i>			<i>PHENOL** - mg/L</i>						<i>Effluent</i>		
<i>Date</i>	<i>Hours</i>	<i>C.B. Feed</i>	<i>1st Instg.</i>	<i>Effluent</i>	<i>C.B. Feed</i>	<i>1st Instg.</i>	<i>2nd Instg.</i>	<i>3rd Instg.</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>pH</i>	<i>Gallons</i>	<i>Comments</i>
08/01/02	8	-	-	6.3	-	1.19	-	-	-	0.394	0	115000	
08/02/02	8	-	-	6.2	-	1.53	-	-	-	0.425	7.42	104000	
08/03/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/04/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/05/02	8	-	-	6.7	-	1.20	2.21	-	-	0.273 J	7.54	206000	
08/06/02	8	-	-	12	-	1.38	0.584	-	-	0.241 J	7.08	168000	
08/07/02	8	-	-	6.4	-	1.14	-	-	-	0.660	6.97	104000	
08/08/02	8	-	-	6.5	-	0.101	-	-	-	0.499 J	7.02	100000	
08/09/02	8	-	-	7.2	-	1.15	-	-	-	0.361 J	6.99	104000	
08/10/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/11/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/12/02	8	-	-	6.4	-	1.19	0.606	-	-	0.415	7.24	172000	
08/13/02	8	-	-	11	-	1.11	-	-	-	0.790	7.15	193000	
08/14/02	8	-	-	6.6	-	0.976	-	-	-	0.346 J	7.02	95000	
08/15/02	8	-	-	6.0	-	0.883	-	-	-	0.499	7.05	120000	
08/16/02	8	-	-	6.2	-	0.696	-	-	-	0.290	7.06	106000	
08/17/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/18/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/19/02	10	-	-	7.2	-	0.862	0.694	-	-	0.435	7.11	189000	
08/20/02	0	-	-	17	-	1.08	-	-	-	0.0172	7.12	83000	
08/21/02	10	-	-	7.2	-	0.806	-	-	-	0.521	7.02	93000	
08/22/02	10	-	-	7.5	-	0.909	-	-	-	0.349	7.04	82000	
08/23/02	10	-	-	7.0	-	1.17	-	-	-	0.307 J	6.97	102000	
08/24/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/25/02	-	-	-	-	-	-	-	-	-	-	-	-	
08/26/02	10	-	-	6.6	-	1.47	0.812	-	-	0.339	6.94	201000	
08/27/02	10	-	-	10	-	1.00	-	-	-	0.319	6.96	136000	
08/28/02	10	-	-	7.1	-	1.03	-	-	-	0.247	7.1	73000	
08/29/02	10	-	-	7.5	-	0.929	-	-	-	0.292 J	7.15	87000	
08/30/02	10	-	-	7.0 J	-	1.04	-	-	-	0.497	7	112000	
08/31/02	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 5.1

**DAILY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

Date	Operating Hours	TOC* - mg/L			PHENOL** - mg/L						Effluent		
		C.B. Feed	1st Instg.	Effluent	C.B. Feed	1st Instg.	2nd Instg.	3rd Instg.	4th Instg.	Effluent	pH	Gallons	Comments
09/01/02	-	-	-	-	-	-	-	-	-	-	-	-	
09/02/02	-	-	-	-	-	-	-	-	-	-	-	-	
09/03/02	10	-	-	6.8 J	-	-	0.572 J	-	-	0.250 J	7.14	200000	
09/04/02	10	-	14	14	-	0.543 J	0.398 J	-	-	0.284	7.16	147000	
09/05/02	10	-	-	6.4	-	0.811 J	-	-	-	0.304 J	7.05	180000	
09/06/02	10	-	-	6.5	-	0.908 J	-	-	-	0.344 J	7.09	96000	
09/07/02	-	-	-	-	-	-	-	-	-	-	-	-	
09/08/02	-	-	-	-	-	-	-	-	-	-	-	-	
09/09/02	8	-	-	6.1	-	0.952 J	0.732 J	-	-	0.311	7.07	197000	
09/10/02	8	-	-	11	-	2.85 J	-	-	-	0.394 J	7.31	147000	
09/11/02	8	-	-	6.1	-	3.22 J	-	-	-	0.0272 J	7.18	102000	
09/12/02	8	-	-	8.2	-	-	-	-	-	0.479 J	7.49	92000	
09/13/02	8	-	-	2.4	-	3.50 J	-	-	-	0.341 J	7.31	100000	
09/14/02	-	-	-	-	-	-	-	-	-	-	-	-	
09/15/02	-	-	-	-	-	-	-	-	-	-	-	-	
09/16/02	8	-	-	6.1	-	1.63 J	0.972 J	-	-	0.0219 J	7.27	166000	
09/17/02	8	-	-	12	-	3.58 J	-	-	-	0.513 J	7.3	167000	
09/18/02	8	-	-	6.4	-	3.73 J	-	-	-	0.0524 J	7.3	104000	
09/19/02	-	-	-	5.9	-	2.43 J	-	-	-	0.0241 J		69000	
09/20/02	-	-	-	6.6	-	1.83 J	-	-	-	0.519 J		99000	
09/21/02	-	-	-	-	-	-	-	-	-	-		0	
09/22/02	-	-	-	-	-	-	-	-	-	-		0	
09/23/02	-	-	-	1.2 U	-	-	-	0.761 J	0.305 J	0.005 UJ		201000	
09/24/02	-	-	-	7.0	-	-	-	1.88 J	-	0.005 UJ		177000	
09/25/02	-	-	-	1.1	-	-	-	2.25 J	-	0.005 UJ		48000	
09/26/02	-	-	-	1.3	-	-	-	-	-	0.262 J		126000	
09/27/02	-	-	-	1.4	-	-	-	1.42 J	-	0.00648 J		106000	
09/28/02	-	-	-	-	-	-	-	-	-	-		0	
09/29/02	-	-	-	-	-	-	-	-	-	-		0	
09/30/02	8	-	-	1.0 U	-	-	-	1.48 J	1.55 J	0.005 UJ	7.11	207000	

Notes:

- J - Estimated.
 U - Non-detect at the Associated Value.
 TOC - Total Organic Carbon.

TABLE 5.2

**WEEKLY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Parameter</i>	<i>Units</i>	<i>Treatment</i>	<i>07/05/02</i>	<i>07/12/02</i>	<i>07/19/02</i>	<i>07/26/02</i>	<i>07/31/02</i>	<i>08/02/02</i>	<i>08/09/02</i>
		<i>Level</i>							
2-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
3-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
4-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Chlorobenzene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
m-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
o-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
p-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Tetrachloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

<i>Parameter</i>	<i>Units</i>	<i>Treatment</i>	<i>08/23/02</i>	<i>08/30/02</i>	<i>09/06/02</i>	<i>09/13/02</i>	<i>09/20/02</i>	<i>09/27/02</i>	<i>09/30/02</i>
		<i>Level</i>							
2-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
3-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
4-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Chlorobenzene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
m-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
o-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
p-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Tetrachloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Notes:

- Not Available / Not Applicable.
- J Associated Value is Estimated.
- U Non-detect at Associated Value.

TABLE 5.2

**WEEKLY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

08/16/02

3.00 U
3.00 U
3.00 U
10.0 U
3.00 U
3.00 U
3.00 U
10.0 U
10.0 U

TABLE 5.3

**MONTHLY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
THIRD QUARTER 2002
HYDE PARK RRT PROGRAM**

Parameter	Units	Treatment	July 2002	August 2002	September 2002
		Level			
1,2,3,4-Tetrachlorobenzene	µg/L	10	5.00 U	5.00 U	5.00 U
1,2,3-Trichlorobenzene	µg/L	10	3.00 U	3.00 U	3.00 U
1,2,4,5-Tetrachlorobenzene	µg/L	10	5.00 U	5.00 U	5.00 U
1,2,4-Trichlorobenzene	µg/L	10	3.00 U	3.00 U	3.00 U
1,3,5-Trichlorobenzene	µg/L	10	3.00 U	3.00 U	3.00 U
2,4,5-Trichlorophenol	µg/L	10	10.0 U	10.0 U	10.0 U
Hexachlorobenzene	µg/L	10	3.00 U	3.00 U	3.00 U
Hexachlorobutadiene	µg/L	10	10.0 U	10.0 U	10.0 U
Hexachlorocyclopentadiene	µg/L	10	10.0 U	10.0 U	10.0 U
Octachlorocyclopentene	µg/L				
Pesticides					
alpha-BHC	µg/L	10	2.50 U	2.50 U	2.50 U
beta-BHC	µg/L	10	2.50 U	2.50 U	2.50 U
delta-BHC	µg/L	10	2.50 U	2.50 U	2.50 U
gamma-BHC (Lindane)	µg/L	10	2.50 U	2.50 U	2.50 U

Notes:

- Not Available / Not Applicable.
- J Associated Value is Estimated.
- U Non-detect at Associated Value.
- µg/L Micrograms per Liter.

TABLE 6.1
MONTHLY NAPL ACCUMULATION
HYDE PARK RRT PROGRAM

	<i>NAPL Volume Per Decanter</i>			<i>Manually Recovered NAPL (Gallons)</i>	<i>NAPL Removed Decanter</i>			<i>Total</i>	<i>Disposed Total Shipped (Gallons)</i>
	<i>1</i>	<i>2</i>	<i>3</i>		<i>1</i>	<i>2</i>	<i>3</i>		
	<i>(Gallons)</i>				<i>(Gallons)</i>				
Dec-01	0	1628	1252						
Jan-02	752	1,880	1,504	25	0	0	0	0	0
Feb-02	752	3,132	1,316	23	0	0	0	0	0
Mar-02	752	3,132	1,504	44	0	0	0	0	0
1st Quarter	752	1,504	252	92	0	0	0	0	0
Apr-02	0	3,102	1,567	0	752	0	0	0	0
May-02	0	2,860	1,762	32	0	0	0	0	0
Jun-02	0	3,169	1,853	22	0	0	0	0	0
2nd Quarter	0	37	349	54	752	0	0	0	0
Jul-02	0	1,015	1,925	28	0	0	0	0	3,960
Aug-02	0	1901	1167	27	0	0	0	0	3,374
Sep-02	0	2283	1313	25	0	0	0	0	0
3rd Quarter	0	2,246	964	80	0	0	0	0	7,334
Oct-02	-	-	-	-	-	-	-	-	-
Nov-02	-	-	-	-	-	-	-	-	-
Dec-02	-	-	-	-	-	-	-	-	-
4th Quarter	-	-	-	0	0	0	0	0	0
<i>Year to Date:</i>				226	752	0	0	0	7,334

Notes:

Manual Recoveries:

- (1) January 11: PMW-3U 25.0 gallons.
- (2) February 7: CD1U 3.0 gallons and PMW-3U 20.0 gallons.
- (3) March 8: PMW-3M 4.0 gals and PMW-3U 22.0 gals.
March 28: PMW-3U 18 gallons.
- (4) May 9: PMW3U 12.0 gallons; May 29: CD1U 5.0 gallons and PMW3U 15.0 gallons.
- (5) June 28: PMW3U 22.0 gallons.
- (6) Decanter #1 out of service in April 2002 for maintenace, bedrock wells rerouted to #3 Decanter.
- (7) PMW3U: July 28, 28 gallons; August 2, 27 gallons; September 3, 25 gallons.