ATTACHMENT B

GROUNDWATER SAMPLING LOGS

GROUNDWATER SAMPLING LOGS

MAY 2011

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 2-May-11
Weather: 55^{0}F / Cloudy

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-3-01
Well Permit #: E201014388

Well Depth (ft): 13.00
Well Diameter (in): 4

Screened/Open Interval (ft): 3.0 to 13.0

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 8.0 ft below TOC

Depth to Water Before Pump Installation: 5.59 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1530	X		7.71	NA	1.05	NA	-117	NA	0.58	NA	64.3	NA	12.38	NA	250	5.71
1535	X		7.77	0.06	1.13	0.08	-136	-19	0.00	-0.58	61.1	-3.2	13.68	1.3	250	5.76
1540	X		7.78	0.01	1.13	0.00	-141	-5	0.00	0	60.5	-0.6	12.87	-0.81	250	5.83
1545	X		7.79	0.01	1.13	0.00	-145	-4	0.00	0	60.1	-0.4	12.94	0.07	250	5.88
1550	X		7.7	-0.09	1.13	0.00	-141	4	0.00	0	59.9	-0.2	13.04	0.1	250	5.93
1555	X		7.69	-0.01	1.13	0.00	-141	0	0.00	0	60.2	0.3	13.07	0.03	250	5.99
1600	X		7.7	0.01	1.13	0.00	-143	-2	0.00	0	59.9	-0.3	13.10	0.03	250	6.02
1605		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Purged 2.0 gallons of groundwater
Clear with no odor and no sheen

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 3-May-11
Weather: 70^{0}F / Cloudy/Sunny

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-3-02
Well Permit #: E201014389

Well Depth (ft): 13.0
Well Diameter (in): 4

Screened/Open Interval (ft): 3 to 13

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 8.5 ft below TOC

Depth to Water Before Pump Installation: 6.68 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1010	X		6.82	NA	99.90	NA	-148	NA	2.45	NA	139.0	NA	13.44	NA	250	6.84
1015	X		6.42	-0.4	99.90	0.00	-136	12	4.44	1.99	50.4	-88.6	13.10	-0.34	250	6.88
1020	X		6.49	0.07	99.90	0.00	-136	0	4.72	0.28	26.8	-23.6	13.52	0.42	250	6.88
1025	X		6.49	0	99.90	0.00	-138	-2	4.46	-0.26	36.5	9.7	14.22	0.7	250	6.86
1030	X		6.61	0.12	99.90	0.00	-152	-14	0.00	-4.46	20.2	-16.3	14.49	0.27	250	6.86
1035	X		6.83	0.22	99.90	0.00	-163	-11	0.00	0	19.9	-0.3	14.17	-0.32	250	6.90
1040	X		6.84	0.01	99.90	0.00	-167	-4	0.00	0	22.1	2.2	14.21	0.04	250	6.87
1045		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 2.0 gallons of groundwater
No odor and no sheen
Slightly yellow in color

LOW FLOW SAMPLING
DATA SHEET

Sheet 3 of 11

Site: JCRA Morris Canal
Date: 3-May-11
Weather: 75^{0}F / Sunny

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-4-01
Well Permit #: P201000653

Well Depth (ft): 12.75
Well Diameter (in): 4

Screened/Open Interval (ft): 2-12

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 6.5 ft below TOC

Depth to Water Before Pump Installation: 3.9 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1145	X		6.94	NA	2.11	NA	-110	NA	0.41	NA	47.6	NA	12.68	NA	180	3.97
1150	X		6.84	-0.1	2.07	-0.04	-102	8	0.00	-0.41	51.4	3.8	13.95	1.27	180	3.94
1155	X		6.81	-0.03	2.10	0.03	-98	4	0.14	0.14	38.6	-12.8	13.60	-0.35	180	3.93
1200	X		6.81	0	2.08	-0.02	-102	-4	0.00	-0.14	31.9	-6.7	13.59	-0.01	180	3.93
1205	X		6.83	0.02	2.06	-0.02	-106	-4	0.00	0	31.7	-0.2	14.01	0.42	180	3.93
1210	X		6.87	0.04	2.04	-0.02	-112	-6	0.00	0	32.0	0.3	14.15	0.14	180	3.94
1215	X		6.91	0.04	2.04	0.00	-115	-3	0.00	0	32.0	0	14.29	0.14	180	3.94
1220	X		6.95	0.04	2.04	0.00	-122	-7	0.00	0	31.6	-0.4	14.35	0.06	180	3.94
1225	X		6.98	0.03	2.04	0.00	-123	-1	0.00	0	31.1	-0.5	14.45	0.1	180	3.94
1230		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:

Purged 2.0 gallons of groundwater
No odor and no sheen
Cloudy with yellow color

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 3-May-11
Weather: 70^{0}F / Cloudy/Sunny

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-5-01
Well Permit #: P2010000650

Well Depth (ft): 8.78
Well Diameter (in): 4

Screened/Open Interval (ft): 2 to 12

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 6.0 ft below TOC

Depth to Water Before Pump Installation: 2.42 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1020	X		7.76	NA	1.04	NA	-154	NA	0.47	NA	0.0	NA	12.80	NA	200	2.59
1025	X		7.27	-0.49	1.08	0.04	-146	8	0.00	-0.47	0.0	0	13.72	0.92	200	2.69
1030	X		7.40	0.13	1.09	0.01	-153	-7	0.00	0	0.0	0	14.52	0.8	200	2.77
1035	X		7.65	0.25	1.08	-0.01	-167	-14	0.00	0	0.0	0	13.87	-0.65	200	2.89
1040	X		7.64	-0.01	1.08	0.00	-167	0	0.00	0	0.0	0	14.24	0.37	200	2.95
1045	X		7.62	-0.02	1.07	-0.01	-167	0	0.00	0	0.0	0	14.31	0.07	200	3.10
1050	X		7.66	0.04	1.07	0.00	-162	5	0.00	0	0.0	0	14.39	0.08	200	3.15
1055		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Purged 1.6 gallons of groundwater
Clear, slight odor / sheen - petrol?

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 3-May-11
Weather: 75°F / Sunny

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-5-02
Well Permit #: P2010000551
Well Depth (ft): 12.00
Well Diameter (in): 4
Screened/Open Interval (ft): 2 to 12

PID/FID Readings (ppm):
Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 1.10

Pump Intake Depth: 4.5 ft below TOC
Depth to Water Before Pump Installation: 1.84 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1250	X		9.9	NA	99.90	NA	-143	NA	7.87	NA	16.7	NA	15.11	NA	160	2.07
1255	X		9.02	-0.88	99.90	0.00	-109	34	5.34	-2.53	6.7	-10	14.96	-0.15	160	2.24
1300	X		9.05	0.03	99.90	0.00	-107	2	4.81	-0.53	3.8	-2.9	15.50	0.54	160	2.30
1305	X		9.17	0.12	99.90	0.00	-111	-4	4.63	-0.18	3.9	0.1	16.52	1.02	160	2.34
1310	X		9.36	0.19	99.90	0.00	-121	-10	4.13	-0.5	4.6	0.7	17.12	0.6	160	2.37
1315	X		9.54	0.18	99.90	0.00	-126	-5	4.13	0	3.1	-1.5	17.84	0.72	160	2.42
1320	X		9.53	-0.01	99.90	0.00	-126	0	4.10	-0.03	5.3	2.2	16.95	-0.89	160	2.49
1325	X		9.28	-0.25	99.90	0.00	-119	7	3.78	-0.32	6.9	1.6	15.86	-1.09	160	2.66
1330		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 1.5 gallons of groundwater
Clear with yellow color
No odor or sheen

LOW FLOW SAMPLING
DATA SHEET

Sheet 6 of 11

Site: JCRA Morris Canal
Date: 3-May-11
Weather: 70^{0}F / Cloudy/Sunny

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-6-01
Well Permit #: E201014397

Well Depth (ft): 13.0
Well Diameter (in): 4

Screened/Open Interval (ft): 3-13

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 6.5 ft below TOC

Depth to Water Before Pump Installation: 4.78 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1145	X		7.11	NA	1.74	NA	75	NA	9.92	NA	150.0	NA	15.07	NA	250	4.84
1150	X		6.41	-0.7	99.90	98.16	101	26	11.27	1.35	11.6	-138.4	14.07	-1	250	4.84
1155	X		6.34	-0.07	99.90	0.00	103	2	10.96	-0.31	6.1	-5.5	13.81	-0.26	250	4.84
1200	X		6.34	0	74.40	-25.50	104	1	10.60	-0.36	4.0	-2.1	13.70	-0.11	250	4.84
1205	X		6.38	0.04	20.90	-53.50	102	-2	10.11	-0.49	2.7	-1.3	13.59	-0.11	250	4.84
1210	X		6.42	0.04	19.10	-1.80	94	-8	9.81	-0.3	1.4	-1.3	13.54	-0.05	250	4.84
1215	X		6.51	0.09	11.40	-7.70	64	-30	9.36	-0.45	0.8	-0.6	13.45	-0.09	250	4.84
1220		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 2.0 gallons of groundwater
Clear with no odor or sheen
Reading of conductivity is incorrect

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 2-May-11
Weather: 55^{0}F / Cloudy

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-7-01
Well Permit #: E201005274

Well Depth (ft): 13.00
Well Diameter (in): 4

Screened/Open Interval (ft): 3-13

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 8.80

Pump Intake Depth: 5.0 ft below TOC

Depth to Water Before Pump Installation: 1.78 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1315	X		6.1	NA	99.90	NA	-52	NA	0.00	NA	9.5	NA	11.33	NA	225	1.82
1320	X		5.74	-0.4	99.90	0.00	-46	6	0.00	0	10.3	0.8	11.81	0.48	225	1.80
1325	X		5.82	0.08	99.90	0.00	-52	-6	0.00	0	7.3	-3	12.80	0.99	225	1.80
1330	X		6.11	0.29	2.34	-97.56	-55	-3	0.00	0	5.1	-2.2	13.19	0.39	225	1.80
1335	X		6.02	-0.09	4.23	1.89	-58	-3	0.00	0	4.9	-0.2	13.20	0.01	225	1.81
1340	X		5.97	-0.05	5.62	1.39	-65	-7	0.00	0	2.2	-2.7	13.22	0.02	225	1.81
1345	X		5.96	-0.01	4.86	-0.76	-67	-2	0.00	0	1.7	-0.5	13.23	0.01	225	1.80
1350	X		5.97	0.01	1.890	-2.97	-69	-2	0.00	0	1.7	0	13.27	0.04	225	1.80
1355	X		5.97	0.00	1.800	-0.09	-68	1	0.00	0	2	0.3	13.27	0	225	1.80
1400	X		5.98	0.01	1.82	0.020	-69	-1	0.00	0	1.8	-0.2	13.3	0.03	225	1.80
1405		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 2.5 gallons of groundwater
Clear with no odor and no sheen

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 2-May-11
Weather: 55^{0}F / Cloudy

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-7-02
Well Permit #: E201005275

Well Depth (ft): 15.37
Well Diameter (in): 4

Screened/Open Interval (ft): 5-15

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 101.00

Pump Intake Depth: 7.0 ft below TOC

Depth to Water Before Pump Installation: 5.3 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1445	X		6.68	NA	99.90	NA	-109	NA	0.38	NA	13.4	NA	14.13	NA	225	5.30
1450	X		6.53	-0.15	0.94	-98.96	-106	3	0.00	-0.38	13.0	-0.4	13.92	-0.21	225	5.49
1455	X		6.35	-0.18	29.20	28.26	-113	-7	0.00	0	13.4	0.4	14.43	0.51	225	5.56
1500	X		6.38	0.03	18.80	-10.40	-121	-8	0.00	0	13.1	-0.3	14.73	0.3	225	5.60
1505	X		6.41	0.03	17.40	-1.40	-122	-1	0.00	0	13.2	0.1	14.60	-0.13	225	5.61
1510	X		6.46	0.05	1.01	-16.39	-123	-1	0.00	0	12.6	-0.6	14.50	-0.1	225	5.69
1515	X		6.47	0.01	1.08	0.07	-127	-4	0.00	0	13.0	0.4	14.33	-0.17	225	5.75
1520	X		6.53	0.06	0.990	-0.09	-131	-4	0.00	0	11.9	-1.1	14.09	-0.24	225	5.77
1525		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 2.0 gallons of groundwater
Slight petrol odor
Clear grey color

LOW FLOW SAMPLING
DATA SHEET

Sheet 9 of 11

Site: JCRA Morris Canal
Date: 2-May-11
Weather: 55^{0}F / Cloudy

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-8-01
Well Permit #: P201000649

Well Depth (ft): 12.85
Well Diameter (in): 4

Screened/Open Interval (ft): 3.0 to 13.0

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 6.5 ft below TOC

Depth to Water Before Pump Installation: 4.47 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1050	X		6.21	NA	99.90	NA	181	NA	1.88	NA	36.6	NA	13.47	NA	150	4.58
1055	X		6.46	0.25	99.90	0.00	162	-19	0.56	-1.32	35.1	-1.5	13.60	0.13	150	4.61
1100	X		6.54	0.08	99.90	0.00	142	-20	0.00	-0.56	24.4	-10.7	14.07	0.47	150	4.66
1105	X		6.71	0.17	99.90	0.00	122	-20	0.00	0	12.5	-11.9	14.59	0.52	150	4.71
1110	X		6.76	0.05	99.90	0.00	115	-7	0.00	0	9.3	-3.2	14.76	0.17	150	4.73
1115	X		6.80	0.04	99.90	0.00	105	-10	0.00	0	9.1	-0.2	14.91	0.15	150	4.73
1120	X		6.88	0.08	99.90	0.00	97	-8	0.00	0	7.8	-1.3	15.13	0.22	150	4.73
1125	X		6.95	0.07	34.300	-65.60	90	-7	0.00	0	7.1	-0.7	15.19	0.06	150	4.74
1130	X		7.05	0.10	2.200	-32.100	84	-6	0.00	0	5.8	-1.3	15.24	0.05	150	4.74
1135	X		7.11	0.06	1.26	-0.940	79	-5	0.00	0	5.4	-0.4	15.31	0.07	150	4.74
1140	X		7.13	0.02	1.15	-0.11	77	-2	0.00	0	5.9	0.5	15.36	0.05	150	4.74
1145	X		7.17	0.04	0.97	-0.18	69	-8	0.00	0	5.2	-0.7	15.4	0.04	150	4.75
1155		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Purged 2.0 gallons of groundwater
Clear with no odor and no sheen

LOW FLOW SAMPLING
DATA SHEET

Sheet 10 of 11

Site: JCRA Morris Canal
Date: 3-May-11
Weather: 75^{0}F / Sunny (Well is inside the building)

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-9-01
Well Permit #: P201000652

Well Depth (ft): 15.0
Well Diameter (in): 4

Screened/Open Interval (ft): 5-15

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 5.4 ft below TOC

Depth to Water Before Pump Installation: 3.41 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1440	X		7.81	NA	99.90	NA	-151	NA	2.85	NA	459.0	NA	14.04	NA	200	3.55
1445	X		6.23	-1.58	99.90	0.00	5	156	3.95	1.1	110.0	-349	13.04	-1	200	3.72
1450	X		5.84	-0.39	99.90	0.00	30	25	2.26	-1.69	112.0	2	13.36	0.32	200	3.77
1455	X		5.62	-0.22	99.90	0.00	39	9	0.72	-1.54	86.1	-25.9	13.57	0.21	200	3.82
1500	X		5.56	-0.06	99.90	0.00	40	1	0.80	0.08	71.6	-14.5	13.71	0.14	200	3.83
1505	X		5.66	0.1	99.90	0.00	33	-7	0.82	0.02	65.6	-6	13.85	0.14	200	3.83
1510	X		5.69	0.03	99.90	0.00	29	-4	0.92	0.1	58.0	-7.6	13.93	0.08	200	3.83
1515	X		5.71	0.02	99.90	0.00	27	-2	0.80	-0.12	51.6	-6.4	14.03	0.1	200	3.81
1520		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 2.0 gallons of groundwater
Slight yellow/orange and cloudy
No odor or sheen

LOW FLOW SAMPLING
DATA SHEET

Sheet 11 of 11

Site: JCRA Morris Canal
Date: 3-May-11
Weather: 75°F / Sunny

Consulting Firm: Dresdner Robin Enviromental Management
Field Personnel: JES/NK/ED

Monitor Well #: MW-12-01
Well Permit #: E201014399

Well Depth (ft): 15.0
Well Diameter (in): 4

Screened/Open Interval (ft): 6-15

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 8.0 ft below TOC

Depth to Water Before Pump Installation: 6.06 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
1510	X		6.39	NA	0.81	NA	79	NA	4.75	NA	104.0	NA	15.78	NA	150	6.17
1515	X		5.75	-0.64	0.79	-0.02	110	31	2.99	-1.76	29.1	-74.9	14.88	-0.9	150	6.24
1520	X		5.60	-0.15	0.78	-0.01	110	0	2.79	-0.2	30.2	1.1	16.16	1.28	150	6.36
1525	X		5.59	-0.01	0.78	0.00	105	-5	2.76	-0.03	23.9	-6.3	17.08	0.92	150	6.41
1530	X		5.57	-0.02	0.78	0.00	83	-22	2.76	0	15.2	-8.7	15.69	-1.39	150	6.64
1535	X		5.54	-0.03	0.78	0.00	78	-5	2.74	-0.02	14.5	-0.7	15.38	-0.31	150	6.76
1540	X		5.52	-0.02	0.78	0.00	75	-3	2.70	-0.04	14.0	-0.5	15.61	0.23	150	6.83
1545		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 1.25 gallons of groundwater
Clear with slight yellow color
No odor or sheen

GROUNDWATER SAMPLING LOGS

JUNE 2011

LOW FLOW SAMPLING
DATA SHEET

Sheet 1 of 12

Site: JCRA Morris Canal
Date: 14-Jun-11
Weather: 70^{0}F, Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK/ED

Monitor Well #: MW-3-01
Well Permit #: E201014388

Well Depth (ft): 13.0
Well Diameter (in): 4

Screened/Open Interval (ft): 3 to 13

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 9.5 ft below TOC

Depth to Water Before Pump Installation: 6.42 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
9:00	X		7.25	N/A	1.25	N/A	-182	N/A	0.98	N/A	14.8	N/A	15.10	N/A	450	6.46
9:05	X		7.19	-0.06	1.14	-0.11	-180	2.00	0.55	-0.43	10.6	-4.20	15.40	0.30	450	6.48
9:10	X		7.04	-0.15	1.10	-0.04	-176	4.00	0.14	-0.41	8.5	-2.10	16.70	1.30	450	6.55
9:15	X		6.99	-0.05	1.08	-0.02	-177	-1.00	0.00	-0.14	6.5	-2.00	17.60	0.90	450	6.58
9:20	X		7.00	0.01	1.08	0.00	-179	-2.00	0.00	0.00	7.4	0.90	17.80	0.20	450	6.62
9:25	X		7.01	0.01	1.09	0.01	-186	-7.00	0.00	0.00	4.8	-2.60	17.90	0.10	450	6.65
9:30		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Purged 3.0 gallons of groundwater
Clear, strong organic/fuel odor

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 13-Jun-11
Weather: 75 - sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-3-02
Well Permit #: E201014389

Well Depth (ft): 13.0
Well Diameter (in): 4

Screened/Open Interval (ft): 3 to 13

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 10.0 ft below TOC

Depth to Water Before Pump Installation: 7.21 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
11:00	X		7.07	N/A	1.09	N/A	-125	N/A	1.33	N/A	175.0	N/A	17.28	N/A	283	7.28
11:05	X		7.08	0.01	1.08	-0.01	-120	5.00	0.81	-0.52	161.0	-14.00	17.36	0.08	283	7.31
11:10	X		6.75	-0.33	1.05	-0.03	-114	6.00	0.16	-0.65	141.0	-20.00	17.42	0.06	283	8.74
11:15	X		6.61	-0.14	1.04	-0.01	-111	3.00	0.00	-0.16	120.0	-21.00	17.61	0.19	283	8.72
11:20	X		6.62	0.01	1.03	-0.01	-116	-5.00	0.00	0.00	122.0	2.00	17.66	0.05	283	8.73
11:25	X		6.64	0.02	1.01	-0.02	-117	-1.00	0.00	0.00	117.0	-5.00	17.68	0.02	283	8.74
11:30		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Water turbid, no fuel odor
Slight green-gray color
Purged 2.25 gallons

LOW FLOW SAMPLING
DATA SHEET

Sheet 3 of 12

Site: JCRA Morris Canal
Date: 13-Jun-11
Weather: 75-sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-5-01
Well Permit #: P2010000650

Well Depth (ft): 12.10
Well Diameter (in): 4

Screened/Open Interval (ft): 2 to 12

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 6.0 ft below TOC

Depth to Water Before Pump Installation: 2.85 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
12:35	X		7.36	N/A	1.18	N/A	-135	N/A	0.44	N/A	0.7	N/A	19.25	N/A	375	2.90
12:40	X		6.97	-0.39	1.17	-0.01	-126	9.00	0.07	-0.37	2.6	1.90	20.01	0.76	375	2.98
12:45	X		6.94	-0.03	1.16	-0.01	-118	8.00	0.04	-0.03	5.1	2.50	20.92	0.91	375	3.17
12:50	X		6.91	-0.03	1.15	-0.01	-119	-1.00	0.00	-0.04	4.8	-0.30	21.32	0.40	375	3.19
12:55	X		6.92	0.01	1.16	0.01	-118	1.00	0.00	0.00	5.4	0.60	21.20	-0.12	375	3.19
13:00		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Clear water, slight gray tone; no odor

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 14-Jun-11
Weather: 70^{0}F, Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK/ED

Monitor Well #: MW-5-02
Well Permit #: P2010000551

Well Depth (ft): 12.00
Well Diameter (in): 4

Screened/Open Interval (ft): 2 to 12

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 5.5 ft below TOC

Depth to Water Before Pump Installation: 2.89 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
10:35	X		12.78	N/A	8.75	N/A	-152	N/A	2.65	N/A	8.4	N/A	17.20	N/A	210	3.06
10:40	X		12.47	-0.31	9.69	0.94	-135	17.00	1.67	-0.98	3.8	-4.60	18.00	0.80	210	3.24
10:45	X		12.50	0.03	9.64	-0.05	-130	5.00	1.68	0.01	4.0	0.20	17.90	-0.10	210	3.37
10:50	X		12.48	-0.02	8.66	-0.98	-128	2.00	1.69	0.01	2.6	-1.40	19.00	1.10	210	3.48
10:55	X		12.54	0.06	6.51	-2.15	-133	-5.00	5.07	3.38	2.4	-0.20	20.20	1.20	210	3.54
11:00	X		12.55	0.01	5.87	-0.64	-131	2.00	5.08	0.01	2.6	0.20	19.80	-0.40	210	3.61
11:05	X		12.48	-0.07	5.25	-0.62	-128	3.00	4.78	-0.30	2.5	-0.10	19.80	0.00	210	3.65
11:10	X		12.37	-0.11	3.83	-1.42	-122	6.00	4.47	-0.31	3.1	0.60	19.70	-0.10	210	3.69
11:15	X		12.31	-0.06	3.53	-0.30	-119	3.00	4.03	-0.44	3.2	0.10	20.00	0.30	210	3.71
11:20	X		12.31	0.00	3.60	0.07	-119	0.00	3.92	-0.11	3.4	0.20	20.20	0.20	210	3.72
11:25		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:

Purged 2.5 gallons of groundwater
No odor, slight sheen
Clear, green color

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 14-Jun-11
Weather: 65^{0}F / Clear, Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK/ED

Monitor Well #: MW-7-01
Well Permit #: E201005274

Well Depth (ft): 13.0
Well Diameter (in): 4

Screened/Open Interval (ft): 3.0 to 13.0

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 4.50

Pump Intake Depth: 6.0 ft below TOC

Depth to Water Before Pump Installation: 3.1 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
8:35	X		7.00	N/A	0.62	N/A	-65	N/A	0.18	N/A	10.6	N/A	15.83	N/A	290	3.11
8:40	X		6.73	-0.27	0.60	-0.02	-54	11.00	0.00	-0.18	7.0	-3.60	16.65	0.82	290	3.11
8:45	X		6.83	0.10	0.60	0.00	-59	-5.00	0.00	0.00	6.1	-0.90	16.97	0.32	290	3.11
8:50	X		6.89	0.06	0.62	0.02	-66	-7.00	0.00	0.00	5.5	-0.60	17.32	0.35	290	3.12
8:55	X		6.92	0.03	0.68	0.06	-70	-4.00	0.00	0.00	5.2	-0.30	17.76	0.44	290	3.12
9:00	X		6.92	0.00	0.69	0.01	-70	0.00	0.00	0.00	4.3	-0.90	17.90	0.14	290	3.12
9:05	X		6.92	0.00	0.71	0.02	-72	-2.00	0.00	0.00	4.6	0.30	18.12	0.22	290	3.12
9:10		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 2.3 gallons of groundwater
No odor and no sheen
Clear, slightly yellow color

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 14-Jun-11
Weather: 75-Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-6-01
Well Permit #: E201014397

Well Depth (ft): 13.0
Well Diameter (in): 4

Screened/Open Interval (ft): 3.0 to 13.0

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 8.0 ft below TOC

Depth to Water Before Pump Installation: 5.52 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
11:00	X		6.81	N/A	0.695	N/A	-12	N/A	0.31	N/A	39.5	N/A	17.33	N/A	216	5.58
11:05	X		6.68	-0.13	0.690	-0.01	-16	-4.00	0.22	-0.09	37.1	-2.40	17.72	0.39	216	5.65
11:10	X		6.66	-0.02	0.690	0.00	-17	-1.00	0.20	-0.02	36.8	-0.30	17.84	0.12	216	5.65
11:15	X		6.65	-0.01	0.689	0.00	-18	-1.00	0.16	-0.04	36.3	-0.50	17.93	0.09	216	5.65
11:20	X		6.61	-0.04	0.690	0.00	-25	-7.00	0.00	-0.16	35.2	-1.10	17.83	-0.10	216	5.65
11:25	X		6.60	-0.01	0.692	0.00	-35	-10.00	0.00	0.00	25.8	-9.40	17.51	-0.32	216	5.65
11:30	X		6.57	-0.03	0.691	0.00	-31	4.00	0.00	0.00	16.2	-9.60	17.32	-0.19	216	5.65
11:35		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: No strong distinctive odor. Good recharge.
Purged 2.0 gallons.

LOW FLOW SAMPLING
DATA SHEET

Sheet 7 of 12

Site: JCRA Morris Canal
Date: 10-Jun-11
Weather: Sun, slight clouds, 86^{0}F

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-7-02
Well Permit #: E201005275

Well Depth (ft): 12.78
Well Diameter (in): 4

Screened/Open Interval (ft): 3 to 12.78

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 159.00

Pump Intake Depth: 9.0 ft below TOC

Depth to Water Before Pump Installation: 6.29 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
12:25	X		6.71	N/A	1.12	N/A	-158	N/A	0.20	N/A	26.1	N/A	18.83	N/A	315	6.48
12:30	X		6.17	-0.54	1.07	-0.05	-167	-9.00	0.00	-0.20	39.7	13.60	19.55	0.72	315	6.61
12:35	X		6.13	-0.04	1.06	-0.01	-164	3.00	0.00	0.00	34.8	-4.90	20.41	0.86	315	6.61
12:40	X		6.16	0.03	1.06	0.00	-157	7.00	0.00	0.00	29.9	-4.90	21.76	1.35	315	6.61
12:45	X		6.19	0.03	1.05	-0.01	-162	-5.00	0.00	0.00	32.1	2.20	22.03	0.27	315	6.61
12:50	X		6.18	-0.01	1.05	0.00	-160	2.00	0.00	0.00	28.0	-4.10	22.10	0.07	315	6.61
12:55		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Fuel odor, dark brown color which settles.
Purged 2.5 gallons.

LOW FLOW SAMPLING
DATA SHEET

Sheet 8 of 12

Site: JCRA Morris Canal
Date: 10-Jun-11
Weather: 77-Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-8-01
Well Permit #: P201000649

Well Depth (ft): 13.80
Well Diameter (in): 4

Screened/Open Interval (ft): 4 to 14

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 8 to 10 ft below TOC

Depth to Water Before Pump Installation: 5.5 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
10:30	X		9.39	N/A	0.342	N/A	-48	N/A	0.00	N/A	52.6	N/A	16.08	N/A	265	5.42
10:35	X		9.13	-0.26	0.340	0.00	-50	-2.00	0.00	0.00	47.1	-5.50	16.22	0.14	265	5.81
10:40	X		9.52	0.39	0.342	0.00	-99	-49.00	0.00	0.00	35.0	-12.10	17.99	1.77	265	5.87
10:45	X		10.26	0.74	0.363	0.02	-129	-30.00	0.00	0.00	86.1	51.10	18.79	0.80	265	5.93
10:50	X		10.48	0.22	0.396	0.03	-147	-18.00	0.00	0.00	161.0	74.90	19.15	0.36	265	5.93
10:55	X		10.96	0.48	0.460	0.06	-172	-25.00	0.00	0.00	226.0	65.00	19.84	0.69	265	5.94
11:00	X		10.98	0.02	0.588	0.13	-170	2.00	0.00	0.00	181.0	-45.00	19.85	0.01	265	5.95
11:05	X		10.96	-0.02	0.601	0.01	-175	-5.00	0.00	0.00	178	-3.00	19.92	0.07	265	5.95
11:10	X		10.98	0.02	0.600	0.00	-170	5.00	0.00	0.00	179	1.00	20.01	0.09	265	5.97
11:15	X		10.96	-0.02	0.599	0.00	-165	5.00	0.00	0.00	176	-3.00	20.08	0.07	265	6.00
11:20		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Water is clean, no odor. Become turbid, pump then raised but water did not clear
Purged 3.5 gallons.

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 13-Jun-11
Weather: 78-Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-9-01
Well Permit #: P201000652

Well Depth (ft): 15.0
Well Diameter (in): 4

Screened/Open Interval (ft): 5-15

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 6.0 ft below TOC

Depth to Water Before Pump Installation: 4.05 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
14:40	X		6.44	N/A	0.600	N/A	-20	N/A	1.03	N/A	280.0	N/A	15.32	N/A	290	4.02
14:45	X		6.02	-0.42	0.585	-0.02	12	32.00	0.04	-0.99	260.0	-20.00	15.23	-0.09	290	4.20
14:50	X		5.80	-0.22	0.562	-0.02	20	8.00	0.27	0.23	203.0	-57.00	15.41	0.18	290	4.28
14:55	X		5.78	-0.02	0.563	0.00	20	0.00	0.00	-0.27	189.0	-14.00	15.78	0.37	290	4.35
15:00	X		5.81	0.03	0.560	0.00	18	-2.00	0.00	0.00	195.0	6.00	15.90	0.12	290	4.43
15:05	X		5.80	-0.01	0.559	0.00	17	-1.00	0.00	0.00	188.0	-7.00	16.05	0.15	290	4.50
15:10		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: Purged 2.3 gallons of groundwater
No odor, slight brown color

LOW FLOW SAMPLING
DATA SHEET

Sheet 10 of 12

Site: JCRA Morris Canal
Date: 10-Jun-11
Weather: 82-Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-10-01
Well Permit #: E201105768

Well Depth (ft): 11.0
Well Diameter (in): 4

Screened/Open Interval (ft): 1-11

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 4.00
Beneath Inner Cap: 147.90

Pump Intake Depth: 7.0 ft below TOC

Depth to Water Before Pump Installation: 3.18 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
14:05	X		6.76	N/A	0.893	N/A	-128	N/A	0.00	N/A	9.0	N/A	19.69	N/A	320	3.15
14:10	X		6.40	-0.36	0.879	-0.01	-120	8.00	0.00	0.00	10.1	1.10	19.03	-0.66	320	3.18
14:15	X		6.42	0.02	0.877	0.00	-119	1.00	0.00	0.00	7.9	-2.20	18.91	-0.12	320	3.18
14:20	X		6.44	0.02	0.880	0.00	-110	9.00	0.00	0.00	6.5	-1.40	18.41	-0.50	320	3.18
14:25	X		6.45	0.01	0.866	-0.01	-105	5.00	0.00	0.00	5.1	-1.40	18.72	0.31	320	3.18
14:30	X		6.49	0.04	0.869	0.00	-103	2.00	0.00	0.00	4.0	-1.10	18.81	0.09	320	3.18
14:35	X		6.51	0.02	0.872	0.00	-108	-5.00	0.00	0.00	2.0	-2.00	18.95	0.14	320	3.18
14:40		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments: 147.9 ppm, fuel odor, yellow fluorescent tint on interface probe tape
Cloudy water. Purged 3 gallons.

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 13-Jun-11
Weather: 78-Sunny

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK

Monitor Well #: MW-10-01
Well Permit #: E201105768

Well Depth (ft): 11.00
Well Diameter (in): 4

Screened/Open Interval (ft): 1-11

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 2.00
Beneath Inner Cap: 32.80

Pump Intake Depth: 10.0 ft below TOC

Depth to Water Before Pump Installation: 3.16 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
9:35	X		7.16	N/A	1.15	N/A	-155	N/A	1.25	N/A	77.9	N/A	14.61	N/A	210	3.13
9:40	X		7.01	-0.15	1.14	-0.01	-153	2.00	1.01	-0.24	61.4	-16.50	14.82	0.21	210	3.13
9:45	X		6.61	-0.40	1.10	-0.04	-142	11.00	0.15	-0.86	38.2	-23.20	15.21	0.39	210	3.13
9:50	X		6.52	-0.09	1.07	-0.03	-134	8.00	0.00	-0.15	31.4	-6.80	15.43	0.22	210	3.13
9:55	X		6.76	0.24	1.04	-0.03	-135	-1.00	0.00	0.00	12.3	-19.10	15.65	0.22	210	3.13
10:00	X		6.81	0.05	1.01	-0.03	-140	-5.00	0.00	0.00	5.7	-6.60	16.07	0.42	210	3.13
10:05	X		6.84	0.03	0.99	-0.02	-148	-8.00	0.00	0.00	4.9	-0.80	16.31	0.24	210	3.13
10:10	X		6.84	0.00	0.99	0.00	-150	-2.00	0.00	0.00	1.6	-3.30	16.42	0.11	210	3.13
10:15		X														
10:20		X														
10:25		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Green oily substance at surface of water; not detected by interface probe
Purging clear water, strong fuel-type odor. Purged 2.75 gallons.
Finished sampling at 10:25.

LOW FLOW SAMPLING
DATA SHEET

Site: JCRA Morris Canal
Date: 14-Jun-11
Weather: 65^{0}F / Cloudy, Rain

Consulting Firm: Dresdner Robin Environmental Management
Field Personnel: NK/ED

Monitor Well #: MW-12-01
Well Permit #: E201014399

Well Depth (ft): 15.0
Well Diameter (in): 4

Screened/Open Interval (ft): 6 to 15

PID/FID Readings (ppm):

Background: 0.00
Beneath Outer Cap: 0.00
Beneath Inner Cap: 0.00

Pump Intake Depth: 9.5 ft below TOC

Depth to Water Before Pump Installation: 7.22 ft below TOC

Time	Purging	Sampling	pH (su)		Specific Conductivity (mS/cm)		REDOX Potential (mv)		Dissolved O2 (mg/L)		Turbidity (NTU)		Temperature (Degrees C)		Pump Rate (ml/min)	Depth to Water (Ft below TOC)
			Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change	Reading	Change		
14:10	X		6.59	N/A	0.79	N/A	-53	N/A	0.00	N/A	69.7	N/A	16.20	N/A	150	7.38
14:15	X		6.11	-0.48	0.78	-0.01	-32	21.00	0.00	0.00	62.8	-6.90	17.00	0.80	150	7.54
14:20	X		6.09	-0.02	0.78	0.00	-29	3.00	0.00	0.00	50.5	-12.30	17.40	0.40	150	7.58
14:25	X		6.11	0.02	0.78	0.00	-30	-1.00	0.00	0.00	29.7	-20.80	17.50	0.10	150	7.62
14:30	X		6.12	0.01	0.79	0.01	-33	-3.00	0.00	0.00	25.8	-3.90	17.70	0.20	150	7.65
14:35	X		6.22	0.10	0.76	-0.03	-37	-4.00	0.00	0.00	21.4	-4.40	18.00	0.30	150	7.72
14:40		X														

Indicator Parameters stabilize when 3 consecutive readings are within:

+/- 0.1	+/- 3%	+/- 10	+/- 10%	+/- 10%	+/- 3%

Comments:
Purged 1.0 gallon of groundwater
No odor, no sheen
Clear, slightly yellow color