"Rite in the Rain"®

ALL-WEATHER

FIELD

No. 351

"Rite in the Rain®"
ALL-WEATHER WRITING PAPER

Name Mr. C's Dry Cleaners
NYSDEC Site 9-15-157
Address 586 Main St.
EAST AURORA, NY
Phone NA

Project Mr. C's Dry Cleaners
Bioremediation Pilot
Study Baseline &
Performance Monitoring

EN-003229-0001-06TTO

RM

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook.
Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation.

CONTENTS

Personnel	Signature	Initials
Rachael Moxley	Rachael Moxley	RM
Lawrence Roodl	Lawrence Roodl	LR

November 1, 2012 00 EN-003229-0001-06TTO

Weather Rain 44°

Scope Sample 4 monitoring wells

Bioremediation pilot Study

personnel L Roedl, T. Dillon

6:00 LR went to pick up Rental car

met T.D at LS-3 loaded mini-van

went to Site.

7:30 LR Held Safety Meeting with

T.D. Contaminants of Site PCE, TCE

Vinyl chloride Level D.

water level 26818, Heron dipper T

La motte 2020, SN, 1361-3711

0.0 NTU Lot # C144774

1.0 NTU no Lot #

10.0 NTU no Lot #

calibration Check

0.0 NTU, reading 0.0

1.0 NTU, " 1.06

10.0 NTU, " 10.01

YSI PRO2030

pH 4.00 Reading 4.00

" 10.00 " 10.00

7.0 mS/cm " 6.99 mS/cm

DO was calibrati rate 101.2 %

8:30 L.R, T.D. Started to Set up on MW08
Started to purge low Flow with a Flow Thru cell
9:30 the purging of the monitor well MW08 was Completed
and then was Sampled at 09:37. MW8-BS-NOV12
the Ferrous Iron and Ferric Iron were sent to
Test American, the Rest of the Samples were Sent
to Spectrum. this was done For all 4
Location. Decon of the pump was Completed
then moved to next Location mpI-6S, at 11:05
the purge water for all the Monitoring well
were poured into the Treatment System.
12:15 purging was completed at this time.
Samples were collected MpI6S BS-NOV12,
this also was the MS/MSD Sample. Decon
of the pump was done with Alconox
and DI water.
12:55 L.R, T.D Started MW07, after purging was
Completed a Sample was taken MW7-BS-NOV12
this was the Location of the Dupe Sample
MW7-BS-NOV12Q
13:26 Dave S. Lee NYSDEC was on Site
14:45 L.R, T.D Started purging mpI-4I, at 150
the pump Stopped Running- after L.R and
T.D Fix the problem (it was a dead Battery)

Laura Reed 4-1/12

November 1, 2012

16:10 the MpI4I was Sampled at 16:13
MpI4I-BS-NOV12 after the Sample was
Collected. L.R, T.D Started to install
B.O Trap for Sampler.
they were installed at
MpI4I at 16:28 Depth of 40 Feet.
MW07 at 16:35 Depth of 13 Feet
MW08 at 16:45 Depth of 13 Feet
Mp168 at 16:52 Depth of 21 Feet.
All B.O Trap were Set into Screened
Area and Approx 1-2 off the Bottom of the
well
17:00 Sample were packaged up and the
Cooler was Taken to Fedexpress. Airbill #
8006939826 40.
L.R called R Merkey to give him a update
on the Site.
19:30 L.R arrived At the Site E-3 after the
Ferrous, Ferric Iron were dropped of at Test
America, L.R onload the Mobile van and
then Returned the Rental car.
20:30 End of Day. left E-3

Laura Reed 11/1/12

Daily Activity Summary	
Date: November 1 2012	Report No.: 001
Project Name: mrc's	Weather: Rain 40°

Personnel	Hrs.	Affiliation	Personnel	Hrs.	Affiliation
Tim Dillon	12.5	EEEPC			
Larry Roedl	14.5	EEEPC			

Summary of Activities

Equipment	Task	Activities Performed
Water Level Meter	—	to get the water level from the monitor well.
Turbidity meter	—	To take Turbidity measurement during the purging
YSI	—	To take pH, Temp, Orp, cond, DO Reading during the purging of the monitoring Well.

Figure 3-6 Daily Activity Summary Form

Daily Activity Summary	
Date: November 12, 2012	Report No.: 001
Project Name: MV C's	Weather: Rain 40°

Field Tests Performed (Sample's, Field Screening, Chemical testing, Etc.)
With the YSI pH, Temp ORP, Conductivity, DO Turbidity Readings Were Take
Work Delays (Due To Weather, Maintenance, Breakdowns, Waiting For Decisions)
Approxmitly 20 min. down to ~~the Battery~~ Lift A dead Batter
Problems Encountered And Deviations From Work Plan
None
Written And Verbal Instruction By The Government
None
Safety Issues
None
Planned Activities For Next Work Day
None
Remarks: (Visitors, Completion Of field Work At An AOC, Etc.)
Dave S (NYSDEC)

Lawrence Todd — 11/12/12

Site Manager — Date

Figure 3-6 Daily Activity Summary Form (continued)

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's
Well ID: MPI-6S
EEEPC Project No.: EN-003229-0001-06770
Date: 11/1/12

Initial Depth to Water: 10.42 feet TOIC
Total Well Depth: 22.05 feet TOIC
Depth to Pump: 20.05 feet TOIC
Initial Pump Rate: 0.400 (Lpm) / gpm
adjusted to 0.300 at ~~1125~~ 1130
adjusted to 0.406 at 1145

Start Time: 1105
End Time: 1230
☐ Bailer ☒ Pump
Pump Type: Typhoon
Well Diameter: 2 inches
1x Well Volume: 1.90 gallons x3 5.69

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1105	0	7.23	14.2	15.0	3.39	0.88	80.6	10.42
1110	0.5	7.17	14.5	11.8	3.36	0.50	27.7	10.47
1115	1	7.17	15.0	18.6	3.18	0.36	8.45	10.47
1120	2	7.18	15.0	22.7	2.98	0.26	4.01	10.47
1125	3	7.18	15.1	21.7	2.86	0.20	1.73	10.43
1130	3.5	7.17	14.8	24.4	2.85	0.23	1.69	10.42
1135	4	7.17	14.8	27.8	2.86	0.24	1.35	10.43
1140	4.25	7.17	14.6	25.4	2.84	0.27	1.31	10.43
1145	5	7.18	15.0	22.6	2.78	0.26	3.27	10.45
1150	5.75	7.18	15.0	23.7	2.78	0.28	1.55	10.45
1155	6.50	7.18	15.0	24.6	2.73	0.35	1.01	10.45
1200	7.50	7.18	15.1	26.7	2.73	0.44	0.58	10.47
1205	8.25	7.18	15.1	29.0	2.72	0.53	0.39	10.47
1210	9.00	7.17	14.7	28.6	2.72	0.53	0.48	10.45
1215	9.75	7.17	15.1	30.5	2.71	0.56	0.32	10.47
Final Sample Data:		7.17	15.1	30.5	2.71	0.56	0.32	10.47

Sample ID: MPI6S-BS-Nov12
Sample Time: 1218
Duplicate? ☐ Dupe Samp ID:
MS/MSD? ☒ No. of Bottles: 20

Analyses: ☒ VOCs ☐ SVOCs ☐ PCBs ☐ Pest. ☒ Metals/CN ☐ Dioxin
Methods: ☐ CLP ☐ SW846 ☐ EPA/CWA ☐ _____

Comments: Biotrap installed at 21ft time: 1152

Sampler(s): T. Dillon, L. Roedl

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's — Well ID: MW-8

EEEPC Project No.: EN-00322A-0001-0677D — Date: 11/1/12

Initial Depth to Water: 10.58 feet TOIC — Start Time: 0900

Total Well Depth: 14 feet TOIC — End Time: 0937

Depth to Pump: 12 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 0.375 (lpm) gpm — Pump Type: Typhoon

adjusted to: 0.500 at 913 — Well Diameter: 2 inches

adjusted to: _____ at _____ — 1x Well Volume: 0.56 gallons x3 = 1.67

Time	Purge Volume (gallons/liters)	pH ±0.1 (s.u.)	Temp ±1 (°C/°F)	ORP ±10 (mV)	Conductivity ±3% (µS/cm mS/cm)	DO ±10% (mg/L)	Turbidity ±10% (NTU)	Water Level (feet)
0900	0.5	7.21	15.0	145.0	1.11	3.72	9.45	10.70
0910	1	7.30	14.9	179.3	1.18	3.22	1.88	10.70
0915	2	7.31	15.3	176.8	1.19	3.28	1.18	10.70
0920	5	7.33	15.5	173.4	1.19	3.17	1.02	10.70
0925	6	7.33	14.9	173.7	1.20	3.22	0.51	10.70
0930	6	7.31	14.9	175.1	1.18	3.32	0.55	10.70
Final Sample Data:		7.31	14.9	175.1	1.18	3.32	0.55	10.70

Sample ID: MW8-BS-Nov12 — Duplicate? ☐ — Dupe Samp ID: _____

Sample Time: 0937 — MS/MSD? ☐ — No. of Bottles: _____

Analyses: / Methods:

- ☒ VOCs — ☐ CLP
- ☐ SVOCs — ☐ SW846
- ☐ PCBs — ☐ EPA/CWA
- ☐ Pest. — ☐ _____
- ☒ Metals/CN
- ☐ Dioxin

Comments: Biotrap installed at 13ft time: 1645

Sampler(s): T. Dillon L. Roedl

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WELL PURGE & SAMPLE RECORD

Site Name/Location: MW C's
Well ID: MW-7
EEEPC Project No.: EN-003229-0001-0GTO
Date: 11/1/12

Initial Depth to Water: 10.60 feet TOIC
Start Time: 1255
Total Well Depth: 14.43 feet TOIC
End Time: 1340
Depth to Pump: 12.43 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 0.625 (ml) / gpm
Pump Type: Typhoon
adjusted to: 0.425 at 1300
Well Diameter: 2 inches
adjusted to: _____ at _____
1x Well Volume: 0.624 gallons x3 1.87

Time	Purge Volume (gallons/liters)	pH (s.u.) 0.1	Temp. (°C/°F) 5%	ORP (mV) 10	Conductivity (µS/cm mS/cm) 3%	DO (mg/L) 10%	Turbidity (NTU) 10%	Water Level (feet)
1255	0	7.90	14.6	40.1	0.363	9.47	17.1	10.65
1300	1	7.96	14.9	43.5	0.360	8.60	13.5	10.66
1305	1.5	7.98	15.0	52.2	0.360	8.41	5.42	10.65
1310	2	7.99	14.7	59.4	0.361	5.06	3.22	10.65
1315	2.5	7.98	14.9	64.9	0.363	8.33	2.02	10.66
1320	3.5	7.98	14.9	68.7	0.367	8.17	1.59	10.65
Final Sample Data:		7.98	14.9	68.7	0.367	8.17	1.59	10.65

Sample ID: MW7-BS-Nov12
Duplicate? ☒
Dupe Samp ID: MW7-BS-Nov12Q
Sample Time: 1326
MS/MSD? ☐
No. of Bottles: _____

Analyses: ☒ VOCs ☐ SVOCs ☐ PCBs ☐ Pest. ☒ Metals/CN ☐ Dioxin
Methods: ☐ CLP ☐ SW846 ☐ EPA/CWA ☐ _____

Comments: Bio trap installed at 13ft time: 1635

Sampler(s): T. Dillon, L. Reed

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1 of 2

WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's — Well ID: MPI-4I

EEEPC Project No.: EN-003229-0001-06TT0 — Date: November 1 2012

Initial Depth to Water: 10.53 feet TOIC — Start Time: 1445

Total Well Depth: 41.94 feet TOIC — End Time: 1620

Depth to Pump: 39.94 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 0.290 (Lpm) / gpm — Pump Type: Typhoon

adjusted to: 0.350 at 1510 — Well Diameter: ____ inches

adjusted to: ____ at ____ — 1x Well Volume: 5.12 gallons x3 = 15.36

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1445	0	7.20	12.4	-72.7	~~0.29~~ 2.56	0.75	51.4	11.46
1450	1	7.23	12.6	-82.3	2.54	0.56	68.9	11.23
			NO	Flow				
1510	1.5	7.26	12.6	-72.2	2.42	0.46	28.2	11.73
1515	2	7.25	12.6	-74.6	2.43	0.89	24.1	11.73
1520	2.5	7.24	12.6	-86.9	2.52	0.58	12.6	11.68
1525	3	7.23	12.5	-94.6	2.60	0.45	12.6	11.62
1530	3.5	7.23	12.5	-101.6	2.70	0.28	6.74	11.85
1535	4	7.24	12.5	-115.5	2.70	0.24	4.96	11.74
1540	4.5	7.24	12.5	-122.6	2.69	0.24	4.29	11.67
1545	5	7.24	12.5	-127.2	2.69	0.22	4.31	11.67
1550	5.5	7.24	12.4	-132.6	2.71	0.21	2.98	11.68
1555	6	7.24	12.6	-138.0	2.70	0.18	2.59	11.69
1600	6.5	7.25	12.4	-148.2	2.69	0.16	2.32	11.91
Final Sample Data:								

Sample ID: MPI4I-Nov12 — Duplicate? ☐ — Dupe Samp ID: ____

Sample Time: 1613 — MS/MSD? ☐ — No. of Bottles: ____

Analyses:
- ☐ VOCs
- ☐ SVOCs
- ☐ PCBs
- ☐ Pest.
- ☐ Metals/CN
- ☐ Dioxin

Methods:
- ☐ CLP
- ☐ SW846
- ☐ EPA/CWA
- ☐ ____

Comments: Biotrap installed at 40 ft - time: 1628

Sampler(s): L. Roedl, Tim Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's
Well ID: MPI-4I
EEEPC Project No.: EW-009229-0001-06TTO
Date: November 1 2017

Initial Depth to Water: WA feet TOIC
Total Well Depth: WA feet TOIC
Depth to Pump: WA feet TOIC
Initial Pump Rate: _____ Lpm / gpm
adjusted to: _____ at _____
adjusted to: _____ at _____

Start Time: ~~1445~~
End Time: 1620
☐ Bailer ☐ Pump
Pump Type: _____
Well Diameter: _____ inches
1x Well Volume: _____ gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1605	7.25	7.25	12.5	-155.9	2.64	0.16	2.50	11.93
1610	8	7.25	12.4	-162.6	2.64	0.16	2.69	11.93
Final Sample Data:		7.25	12.4	-162.6	2.64	0.16	2.69	11.93

Sample ID: MPI-4I-MS-01Nov17
Sample Time: 1613
Duplicate? ☐ Dupe Samp ID: _____
MS/MSD? ☐ No. of Bottles: _____

Analyses: Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ EPA/CWA
☐ Pest. ☐ _____
☒ Metals/CN
☐ Dioxin

Comments: _____

Sampler(s): L Mynatt Tim Allen