

APPENDIX A

Groundwater Monitoring Well Field Data Sheet

Shaw Environmental & Infrastructure, Inc.



.13 British American Blvd.
Latham, NY 12110
518-783-1996 ext.227
Fax: (518) 783-8397

Fax

To: Tom Mathieson **From:** Robert Adams

Fax: 412-374-1486 **Pages:** 8

Phone: 412-380-6207 **Date:** 10/11/07

RE: Schenectady Army Depot Field Sheets **CC:**

Urgent For Review Please Comment Please Reply Please Recycle

Tom,

Here are the field sheets from 10/11/07 sampling event

If you have any questions please let me know

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Revised 05/02/02

Groundwater Sample Event Form Data Sheet

Project Name:

Project Number:

Water Level Data

Date: 10/10/07 Start Time: 1210 Well ID: MW-1
 Initial Total Casing Length 16.98 (feet) *Volume Factors:
 Depth to Water (from top of casing) 7.17 (feet) 1-inch well = 0.041 gal/ft
 a) Height of Water Column 9.81 (feet) 1.5-inch well = 0.092 gal/ft
 Well Volume ((a) x volume factor *) = 9.81 (feet) x .163 gallons/foot = 1.59 gallons
 2-inch well = 0.163 gal/ft
 3-inch well = 0.367 gal/ft
 4-inch well = 0.653 gal/ft
 6-inch well = 1.468 gal/ft

Purge Data

Date: 10/10/07 Time: 1215 (start) 1227 (finish)

Method: Peristaltic pump
 (Waterra, baller, submersible pump, etc.)

Purge Volume (3 to 5 well volumes): Low Flow Sampling

Time	1215	1217	1219	1221	1223	1225	1227
Volume							
Specific Conductivity	3.10	4.84	5.36	5.52	5.96	5.60	5.63
pH	6.86	6.81	6.80	6.76	6.75	6.74	6.74
Turbidity	118.0	84.3	89.7	106	95.1	130	125
Temperature	13.62	13.69	13.88	14.10	14.18	14.20	14.21
ORP	-129	-132	-132	-136	-132	-131	-132
DO	2.73	0.0	NA	NA	NA	NA	NA

Did well dry out? (If yes, how many times)

Actual Volume Removed _____ (gallons)

Sampling Data

Sample Date: 10/10/07 Sample Time: 1230

Appearance (visual) Cloudy Color Clear Odor Slight

Sampling Method: Lo-flow

Constituents Sampled	Container Description	Perservative
VOCs	40 ml VOA	HE1
SVOCs	12 Amber	-
metals	12 Plastic	HE1
PAHs, pesticides	12 Amber	-

Personnel: R. Adams M. Flanagan

COMMENTS: Area overgrown, cleared w/ machete

Groundwater Sample Event Field Data Sheet

Project Name:

Project Number:

Water Level Data

Date: 10/10/07 Start Time: _____ Well ID: MW-2

Initial Total Casing Length 13.07 (feet) *Volume Factors:
 1-inch well = 0.041 gal/ft
 1.5-inch well = 0.092 gal/ft
 2-inch well = 0.163 gal/ft
 3-inch well = 0.367 gal/ft
 4-inch well = 0.653 gal/ft
 6-inch well = 1.468 gal/ft

Depth to Water (from top of casing) 6.62 (feet)

a) Height of Water Column 6.45 (feet)

Well Volume ((a) x volume factor *) = 6.45 (feet) x .163 gallons/foot = 1.05 gallons

Purge Data

Date: 10/10/07 Time: 1300 (start) 1317 (finish)

Method: Peristaltic pump
 (Waferra, bailer, submersible pump, etc.)

Purge Volume (3 to 5 well volumes): _____ Low Flow Sampling

Time	1300	1302	1304	1306	1308	1310	1312
Volume							
Specific Conductivity	23.7	25.9	24.0	24	23.4	22.3	20.5
pH	6.91	6.86	6.73	6.54	6.01	5.99	5.90
Turbidity	<1000	<1000	520	265	109	73.4	74.2
Temperature	13.50	13.63	13.79	14.03	14.34	14.50	14.55
ORP	-87	-76	-41	36	66	71	80
DO	4.12	2.45	1.69	1.20	1.38	NA	NA

Did well dry out? (If yes, how many times)

Actual Volume Removed _____ (gallons)

Sampling Data

Sample Date: 10/10/07

Sample Time: 1320

Appearance (visual) Cloudy

Color Grayish

Odor no

Sampling Method: Lo-Flow

Constituents Sampled

Container Discription

Perservative

VOCs

40ml

HCl

SVOCs

1L Amber

-

PAH + Pests.

1L Amber

-

metals

1L plastic

HNO₃

Personnel: R Adams M. Plunger

COMMENTS:

360
6207

Project Name: Schenectady Army Depot AOC#2 Project Number: 115215

Water Level Data

Date: 10/10/07 Start Time: ~~1015~~ 1015 Well ID: MW-3
 Initial Total Casing Length 28.25 (feet) *Volume Factors:
 1-inch well = 0.041 gal/ft
 1.5-inch well = 0.092 gal/ft
 Depth to Water (from top of casing) 9.85 (feet) 2-inch well = 0.163 gal/ft
 3-inch well = 0.367 gal/ft
 a) Height of Water Column 18.40 (feet) 4-inch well = 0.653 gal/ft
 6-inch well = 1.468 gal/ft
 Well Volume ((a) x volume factor *) = 18.40 (feet) x .163 gallons/foot = 2.9 gallons

Purge Data

Date: 10/10/07 Time: 1020 (start) 1028 (finish)

Method: Peristaltic pump
(Waterra, bailer, submersible pump, etc.)

Purge Volume (3 to 5 well volumes): Low Flow Sampling

Time	1020	1022	1024	1026	1028
Volume	Initial	-	-	-	-
Specific Conductivity	8.08	8.63	8.58	8.41	8.27
pH	6.78	6.74	6.73	6.72	6.72
Turbidity	41.3	41.7	20.7	19.9	26.1
Temperature	13.83	13.77	13.71	13.66	13.63
ORP	-41	-45	-46	-48	-47
DO	4.21	1.17	0.27	NA	NA

Did well dry out? (if yes, how many times) 0.0 Actual Volume Removed _____ (gallons)

Sampling Data

Sample Date: 10/10/07 Sample Time: 1035

Appearance (visual) Clear Color clear Odor No

Sampling Method: Low flow

Constituents Sampled	Container Description	Perservative
VOCs	Voa 40ml	HCl
Sxocls	1L Amber	-
PAH, PSH	1L "	-
metals	1L Plastic	HNO ₃

Personnel: R Adams, M. Flanagan

COMMENTS: MW-3 Dup

Groundwater Sample Event Field Data Sheet

Project Name: Schenectady Army Depot

Project Number: 115295

Water Level Data

Date: 10-10-07 Start Time: 1120

Well ID: MW-5

Initial Total Casing Length 12.40 (feet)

Depth to Water (from top of casing) 5.38 (feet)

a) Height of Water Column 7.02 (feet)

Well Volume ((a) x volume factor *) = 7.02 (feet) x 1.63 gallons/foot = 1.14 gallons

*Volume Factors:
 1-inch well = 0.041 gal/ft
 1.5-inch well = 0.092 gal/ft
 2-inch well = 0.163 gal/ft
 3-inch well = 0.367 gal/ft
 4-inch well = 0.653 gal/ft
 6-inch well = 1.468 gal/ft

Purge Data

Date: 10/10/07 Time: 1124 (start) 1132 (finish)

Method: Peristaltic pump
(Watterra, bailer, submersible pump, etc.)

Purge Volume (3 to 5 well volumes): Low Flow Sampling

Time	1124	1126	1128	1130	1132	1134	1136
Volume							
Specific Conductivity	8.67	8.16	8.03	7.88	8.33	8.63	
pH	6.99	6.93	6.93	7.00	7.05	7.07	
Turbidity	13.9	41.2	33.2	26.5	32.5	40.4	
Temperature	14.96	15.14	15.21	15.29	15.40	15.44	
ORP	-35	-38	-40	-53	-59	-65	
DO	0.0	0.0 *	NA	NA	NA	NA	

Did well dry out? (If yes, how many times)

Actual Volume Removed _____ (gallons)

Sampling Data

Sample Date: 10/10/07

Sample Time: 1135

Appearance (visual) clear

Color clear

Odor NO

Sampling Method: Lo-flow

Constituents Sampled

VOCs
SVOCs
PAHs, pesticides
metals

Container Description

40 mL VOA
1L Amber
1L "
1L Plastic

Perservative

HCl
-
-
HNO3

Personnel: R. Adams, M. Planagan

COMMENTS:

(last sample bottle SVOC 1L Amber
Turbid)

Groundwater Sample Event Form

Project Name: Sch. Army Depot A0642

Project Number: 115215

Water Level Data

Date: 10/10/07 Start Time: 850 Well ID: MW-7
 Initial Total Casing Length 27.23 (feet) *Volume Factors:
 Depth to Water (from top of casing) 11.09 (feet) 1-inch well = 0.041 gal/ft
 a) Height of Water Column 11.14 (feet) 1.5-inch well = 0.092 gal/ft
 2-inch well = 0.163 gal/ft
 3-inch well = 0.367 gal/ft
 4-inch well = 0.653 gal/ft
 6-inch well = 1.468 gal/ft
 Well Volume ((a) x volume factor *) = 11.14 (feet) x .163 gallons/foot = 1.8 gallons

Purge Data

Date: 10/10/07 Time: 855 (start) 913 (finish)

Method: Peristaltic pump
 (Watera, baller, submersible pump, etc.)

Purge Volume (3 to 5 well volumes): Low Flow Sampling

Time	859	905	907	909	911	913
Volume	initial	NA	NA	NA	NA	NA
Specific Conductivity	8.74	9.46	9.07	8.79	8.25	6.2756
pH	7.18	6.80	6.80	6.80	6.80	6.80
Turbidity	593	159	198	111	62.0	47.4
Temperature	13.95	13.75	13.83	13.86	13.89	13.89
ORP	23	63	91	122	410	439
DO	9.05	6.85	6.83	2.34	NA	NA

Did well dry out? (If yes, how many times) _____ Actual Volume Removed NA (gallons)

Sampling Data

Sample Date: 10/10/07 Sample Time: 915

Appearance (visual) Clear Color Clear Odor No

Sampling Method: Lo-Flow

Constituents Sampled	Container Description	Perservative
VOCs	40 ml	HCL
Silicates	1L Amber	NA
metals	1 L Plastic	HNO3
pH	1L Amber	NA
Pesticides	1L Amber	NA

Personnel: R. Adams, M. Flanagan

COMMENTS:

Hard Bottom
MS/MST



JOB SAFETY ANALYSIS

DATE: 10/10/07
JOB#: 115215
PERMIT#:
ISSUED BY:

Location of Job (Unit/Location on Project): Former Schenectady Army Depot AOC #2		
Required PPE: Mod-level D Safety shoes, glasses	Safety Access/ Location	Supervisor of Work:
	Safe Haven: Beginning of Gravel Road Wind Direction: N/A	JSA Prepared By: Robert Adams
Pre-Job Preparation 1. Fill out JSA 2. Review JSA (EVERYONE) 3. Sign JSA (EVERYONE)	Evacuation Route: Follow Gravel Rd.	Are other crews in area? NO
	Assembly Point: at Depot Rd. / Front of Mr. Burns HOME	New:
		Revised:
Job Task (What are You Doing)		Audit the Job Audit Time:
Groundwater Sampling of 5 monitoring wells, and surface water sample at adjacent stream		
Potential Hazards		Supervisors Comments
insects slip/trip/fall on uneven terrain Poison Ivy		
Recommended Action or Procedure		Su
Bug spray if needed Use caution on uneven terrain		
Crew Name Signatures:		
Robert Adams		