APPENDIX A
Field Notes

CONTENTS

PAGE	REFERENCE	DATE
	Test America	
	301 Alpha Drive	
	Pittsburg, PA 15238	
	Test America	
	10 Hazelwood Drive Ste. 106	
	Amherst, NY 14228	
	716-691-2600	
	(304) 523-3533-4	
	6010B-TAL Metals & 7471-Mercury & Moisture	

Location: Former Sperry Remington Elmira, NY Date: 7/23/12

Project / Client: Unisys

Onsite @ 0800 (Bob, Megan, Frank, Jim)
Weather: partly sunny, 80°F
High of 90°F, no rain

0830 - Mark out all surface water, sediment, and soil sampling locations*

- Locations marked w/ orange pin flags. Trails marked w/ pink flagging.

1200 - Mark-out complete. Cleared access to culvert from railroad tracks and to old man-hole south of railroad tracks

- organized sample containers for collection on 7/24/12

* Low flow rates observed in Cold Brook Creek east of culvert from Miller Pond. Increased flows east of wetland area (though still reduced due to drought cond.)

Location Former Sperry Remington, Elmira Date 7/23/12

Project / Client Unisys

- Most sample locations within wetland area are not w/in standing water. Moisture still evident.

Location ~~Former Sperry Rem.~~ Elmira, NY Date 7/24/12

Project / Client Unisys - Geosyntec

Onsite @ 0710 to load equipment & supplies

PID - Pine 5209

WA-005-LL

- Begin sampling w/ macrocore at 0850
- Switched to hand auger to improve recovery

WA-005-LL-SED-A @ 0939
WA-005-LL-SED-B @ 0942
WA-005-LL-SED-C @ 0955
WA-005-LL-SED-D @ 1012

WA-013-L

- Begin sampling w/ hand auger at 1025

WA-013-L-SED-A @ 1033
WA-013-L-SED-B @ 1041

- Switched to macrocore sampler for SED-C and SED-D

Location Former Sperry Rem. Elmira Date 7/24/12

Project / Client Unisys - Geosyntec

WA-013-L-SED-C @ 1100*

WA-013-L-SED-D @ 1105

* Duplicate collected @ SED-C
WA-DUP-01-SED-C

WA-014-L - Hand auger @ 1145

WA-014-L-SED-A @ 1150

WA-014-L-SED-B @ 1154

WA-014-L-SED-C @ 1201

WA-014-L-SED-D @ 1214

WA-015 - Hand auger @ 1325

WA-015-SED-A @ 1327

WA-015-SED-B @ 1334

WA-015-SED-C @ 1343

WA-015-SED-D @ 1346

Location Former Sperry Remington, Elmira Date 7/24/12

Project / Client Unisys - Geosyntec

WA-006-LL ~~SED~~ GP - ~~Hand auger~~

WA-006-LL-SED-A @ 1405

- Sample was dry. Sampled adjacent to wetland vegetation (i.e. cattail)

WA-006-LL-SED-B @ 1412

WA-006-LL-SED-C @ 1422

WA-006-LL-SED-D @ 1430

WA-007-LL - Macrocore @ 1500

WA-007-LL-SED-A @ 1524

WA-007-LL-SED-B @ 1528

WA-007-LL-SED-C @ 1531

- MS/MSD collected @ 1531
  WA-007-LL-SED-C-MS
  WA-007-LL-SED-C-MSD

WA-007-LL-SED-D @ 1540

WA-006-RR - ~~Macro~~ GP Hand auger @ 1555

WA-006-RR-SED-A @ 1606

WA-006-RR-SED-B @ 1609

WA-006-RR-SED-C @ 1623

WA-006-RR-SED-D @ 1625

strong odor of PAH at 1'-2' 3 2-3'

Location FMR Sperry Remington Blvd Date 7/24/12

Project / Client UNI-Sys - Geosyntec

Equipment Blanks

Hand Auger - EB-01-RI-072412
collected at 17:30

Slide Hammer
EB-02-RI-072412
collected @ 17:45

All samples collected on 7/24/12 were submitted for analysis by EPA 8082 LL TCL PCB's & Moisture

Location FMR Sperry Remington Elm. Date 7/25/12

Project / Client Unisys - Geosyntec

Arrive onsite at WA-002-RR

WA-002-RR - Hand auger @ 0815

MS/MSD { WA-002-RR-SED-A @ 0823
WA-002-RR-SED-A-MS @ 0823
WA-002-RR-SED-A-MSD @ 0823

WA-002-RR-SED-B @ 0831
WA-002-RR-SED-C @ 0840
WA-002-RR-SED-D @ 0847

- All samples exhibited PAH odor

WA-010-R - Hand auger @ 9:03

DRC WA-010-R-SED-A @ 9:10
WA-Dup-02-SED-A @ 9:10

WA-010-R-SED-B @ 9:18
WA-010-R-SED-C @ 9:22
WA-010-R-SED-D @ 9:33
- Samples exhibited PAH odor

Location Fmr Sperry Rem. Elmira Date 7/25/12

Project / Client Unisys - Geosyntec

DS-006-L - Hand auger @ 1030

DS-006-L-SED-A @ 1036
DS-006-L-SED-B @ 1043
DS-006-L-SED-C @ 10:53
DS-006-L-SED-D @ 10:58

CBL-1670-Sed hand driven macro core #1 cut 12:20

Drove macro core 3 feet. Upon recovery 18" of core was noted, nearly due to compression of fines when driving macro core. Due to this ~~[illegible]~~ the first 6" was split into 0-0.5' and 0.5-1'. The second 6" was split into the 1'-2' interval and the third 6" was split into the 2'-3' interval.

Location Fmr Sperry Rem. Elmira Date 7/25/12

Project / Client Unisys - Geosyntec

CBC-1670-SED-A @ 1245
CBC-1670-SED-B @ 1250
CBC-1670-SED-C @ 1252
CBC-1670-SED-D @ 1254

CBC-1470-SED - hand driven macro-core @ 1300.

- Used same technique to collect individual samples as CBC-1670.

CBC-1470-SED-A @ 1320
CBC-1470-SED-B @ 1323
CBC-1470-SED-C @ 1327
*CBC-1470-SED-D @ 1330

* CBC-1470-SED-D submitted for analysis by EPA 8260B-(MOD) TCL 4.2 Volatiles in addition to EPA 8082 LL TCL PCBs

Location Fmr Sperry Rem. Elmira Date 7/25/12

Project / Client Unisys - Geosyntec

CBC-1270-SED - Hand driven macro-core @ 1343

CBC-1270-SED-A @ 1407
CBC-1270-SED-B @ 1410
*CBC-1270-SED-C @ 1412
CBC-1270-SED-D @ 1415

* MS/MSD collected @ CBC-1270-SED-C

CBC-40400-SED - Hand driven macro core @ 1455

CBC-40400-SEDA @ 14:58
CBC-40400-SED-B @ 15:15
CBC-40400-SED-C @ 15:12
CBC-40400-SED-D @ 15:18

CBC-Dup-01-SED-D @ 15:18
-Full suite

Location Fmr Sperry Rem. Elmira Date 7/25/12

Project / Client Unisys - Geosyntec

CBC-40200-SED-~~B~~ hand driven macro core @ 15:38

CBC-40200-SED-A @ 15:53
CBC-40200-SED-B @ 15:55
CBC-40200-SED-C @ 15:58
CBC-40200-SED-D @ 16:04

ms/msd collected @ sed-C

CBC-Dup-02-SED-C @ 15:58
↳ PCB's 3 moisture only

Location Fmr Sperry Rem. Elmira Date 7/26/12

Project / Client Unisys - Geosyntec

Equipment blank from 7/25/12

Hand auger collected @ 0730 on 7/26/12 before work to be analyzed for PCBs

EB-02-RI-072612 @ 0730

CBC-1440-W - slide hammer macro-core at 0915 end @ 0940

CBC-1440-W-SS-A @ 0948
CBC-1440-W-SUB-C @ 0952
CBC-1440-W-SUB-D @ 0955

Surface conditions - Top soil
Weather - light rain
Temp - 80F

Ambient PID - 0.5

Location Fmr Sperry Rem. Elmira Date 7/26/12

Project / Client Unisys - Geosyntec

Set up/down PID

[redacted]

2/2
1/1

0 - 0.5 Top soil with organics, dry, 0.5
0.5 - 1 Brown silt w/some small gravel, dry, PID = 0.5
1 - 1.5 Brown silt w/some small gravel, PID = 0.4
1.5 - 2 Brown silt, dry, PID = 0.5
2 - 2.5 Brown silt and some clay, slight moisture, PID = 1.4
2.5 - 3 Brown to gray silt and clay, moist, PAH odor, PID = 5.0

Location Fmr Sperry Rem. Elmira Date 7/26/12

Project / Client Unisys - Geosyntec

CBC-0720-W - slide hammer macro-core @ 1030 to 1105

- location was near power lines

CBC-0720-W SS-A @ 1110
CBC-0720-W-SS-A-MS @ 1110
CBC-0720-W-SS-A-MSD @ 1110
CBC-0720-W-SUB-C @ 11:15
CBC-0720-W-SUB-D @ 11:22

Surface conditions - top soil
Weather - overcast
Temp - 85F
Ambient PID - 0.3

ft drvn/ft rcvd	
2/2	0-0.5 Top soil w/ organics, dark brown, dry, PID-0.5
1/1	0.5-1 Dark brown to brown silt w/ some organics, PID-0.5
	1-1.5 Brown silt and gravel, dry, PID-0.3
	1.5-2 Brown silt and gravel, dry, PID-0.3

Location Fmr Sperry Rem. Elmira Date 7/26/12

Project / Client Unisys - Geosyntec

2-2.5 Dark brown silt and gravel, moist, PID-0.4
2.5-3 Dark brown silt and gravel, moist, PID-0.4

CBC-0720-W 1145-1200

Surface conditions - topsoil
weather - sunny - humid
Temp - 90°
Ambient PID = 0.1

ft drvn/ft rcvd	
2/2	0-0.5 - topsoil dk brown/blk w/ organics PID 0.3
1/1	0.5-1 - ~~dark/ft~~ Brown silt some organics 0.4
	1-1.5 - Brown silt/gravel PID-0.4
	1.5-2 - pr Brown silt dry wood chips PID 0.3

Location Fmr Spenny Rem. Date 7/26/12

Project / Client Unisys - Geosyntec

CBC-1270-W cont

2'-2.5' - Dk brown silt some gravel PID -0.3

2.5'-3.0' - Dk brown to black silt PID = 0.4

CBC-1270-W-SS-A @ 1205

CBC-1270-W-Sub-C @ 12:10

CBC-1270-W-Sub-D @ 12:18

CBC-Dup-01-SS-A @ 1208

CBC-1270-W-SS-A-MS @ 1208

CBC-1270-W-SS-A-MSD 1208

~~CBC-0200-EE-SS~~ Equip blank hammer macro core @ 14:10 14:30

Surface conditions - Topsoil/humus

weather - ptly cloudy humid

Temp - 90°

Ambient PID - 0.0

Location Fmr. Spenny Rem. - Elmira Date 7/26/12

Project / Client Unisys - Geosyntec

2/2

1/1

0-0.5' - Dk Brown silt - Dry PID - 0.0

0.5-1' same as 0-0.5' PID - 0.0

1'-1.5' ~~Dk~~ Brown to light brown silt PID = 0.0

1.5'-2' Brown to light brown silt PID 0.0

2'-2.5' light brown silt PID = 0.0

2.5-3' PID = 0.0

CBC-0200-EE-SS-A @ 14:38

CBC-0200-EE-SUB-C @ 14:25

CBC-0200-EE-SUB-D @ 14:40

CBC-Dup-02-SS-A @ 14:38

Location Fmr Sperry Rem - Elmira Date 7/26/14

Project / Client Unisys - Geosyntec

CBC-0550-EE - Macro core @ 1515-1535

CBC-0550-EE-SS-A @ 15:40
CBC-0550-EE-SUB-C @ 15:49
CBC-0550-EE-SUB-D @ 15:52

ft/Rec - Pt/rcvd
2/2
1/1

0-0.5 Dark brown top soil, w/ organics, dry, PID 0.0
0.5-1 Brown silt, dry, PID = 0.0
1-1.5 Same as above
1.5-2 Same as above
2-2.5 Same as above
2.5-3 Same as above

Surface conditions - Top soil
Weather - Overcast, humid
Temp - 90

Location Fmr Sperry Rem. Elmira Date 7/27/12

Project / Client Unisys - Geosyntec

Equipment Blank from 7/26/12

Macro-core collected @ 0615 on 7/27/12 before field work, to be analyzed for PCBs, Metals, & Mercury.

EB-03-RI-072712 @ 0615 macro-core tip

WA-006-RR - Resample ~5' to east of original sample w/ hand auger

WA-006-RR-SED-A @ 0811
WA-006-RR-SED-B @ 0814
WA-006-RR-SED-C @ 0817
WA-006-RR-SED-D @ 0820

Location Finr Sperry Rem. Elmira Date 7/27/12

Project / Client Unisys - Geosystec

DS-050-R - slide hammer macro-core from 0930 - 0945

DS-050-R-SS-A @ 0952
DS-050-R-SUB-C @ 1002
DS-050-R-SUB-D @ 1004

DS-000-RR slide hammer macro-core from 10:00 - 10:18

DS-000-RR-SS-A @ 10:45
DS-000-RR-sub-C @ 10:30
DS-000-RR-sub-D @ 10:35

DS-DUP-01-SS-A @ 10:45
DS-000-RR-SS-A-MS @ 10:45
DS-000-RR-SS-A-MSD @ 10:45

Location Finr Sperry Rem. Elmira Date 7/27/12

Project / Client Unisys - Geosystec

DS-100-RR - slide hammer macro-core 1025 - 1054

DS-100-RR-SS-A @ 1100
DS-100-RR-SUB-C @ 1104
DS-100-RR-SUB-D @ 1112

DS-190-RR - slide hammer macro-core 1115 - 1141

DS-190-RR-SS-A @ 1145
DS-190-RR-SUB-C @ 1147
DS-190-RR-SUB-D @ 1150

DS-290-RR - slide hammer macro-core 1200 - 1225

DS-290-RR-SS-A @ 1227
DS-290-RR-SUB-C @ 1229
DS-290-RR-SUB-D @ 1232

Equipment Blanks
EB-04-RI-072712 @ 12:25 macrocore tip
EB-05-RI 072712 @ 12:35 hand auger
-PCBs

Location FMR Sperry Rem. Elmira Date 7/27/12

Project / Client Unisys - Geosyntec

Equipment Blanks

EB-06-RI-072712 @ 1500
- PCBs, Metals, & Mercury for bowls used on 7/25/12 (Wed).

EB-07-RI-072712 @ 1512
- PCBs, Metals, & Mercury for bowls used on 7/26/12 (Thurs.)

EB-08-RI-072712 @ 1519
- PCBs for bowls used on 7/27/12 (Fri.)

Location Fmr Sperry Rem. Elmira Date 7/30/12

Project / Client Unisys - Geosyntec

DS-004-L - slide hammer macro-core 0835-0847

DS-004-L-SS-A @ 0852
DS-004-L-SUB-C @ 0858
DS-004-L-SUB-D @ 0903

DS-004-L-SS-A-MS @ 0852
DS-004-L-SS-A-MSD @ 0852

DS-000LL - slide hammer macro-core @ 7:00 - 9:27

DS-000-LL-SS-A @ 9:37
DS-000-LL-Sub-C @ 9:35
DS-000-LL-Sub D @ 9:43

DS-Dup-02-SS-A @ 9:37

Location Fmr Sperry Rem. Elmira Date 7/30/12

Project / Client Unisys - Geosyntec

Horiba U-52 calibration

Before: pH 3.48
cond. 5.31
turb. 0.0
DO 10.40

After: pH 4.00
cond. 4.49
turb. 0.1
DO 8.71

Solution: pH 4.0
cond. 4.49
turb. 0

CBC-1670-SW @ 1017

Temp 15.33 Turb 0.0
pH 7.59 DO 8.80
ORP 95 TDS .249
Cond. .383

Location Fmr Sperry Remington Elmira Date 7/30/12

Project / Client Unisys - Geosyntec

CBC-1470-SW @ 1030

Temp 15.54 Turb 6.2
pH 7.80 DO 5.13
ORP 86 TDS .256
Cond. .393

CBC-1270-SW @ 10:45

Temp 15.88 Turb 11.2
pH 7.86 DO 4.79
ORP 70 TDS .256
Cond .393

CBC-1070-SW @ 1123

Temp 17.32 Turb 0.8
pH 8.10 DO 7.49
ORP 94 TDS .255
Cond. .394

Location Fmr Sperry Rem. Elmira Date 7/30/12

Project / Client Unisys - Geosyntec

CBC-05+90-SW @ 1157

Temp	18.19	Turb	0.0
pH	7.86	DO	4.20
ORP	70	TDS	.259
Cond.	.398		

CBC-U0200-SW @ 13:50

Temp	19.47	Turb	0.0
pH	8.21	DO	5.82
ORP	46	TDS	.256
Cond	.394		

CBC-U0400-SW @ 1432

Temp	20.23	Turb	0.0
pH	8.16	DO	4.16
ORP	89	TDS	.259
Cond.	.399		

CBC-DUP-01-SW @ 14:32

CBC-U0400-SW-MS @ 14:32

CBC-U0400-SW-MSD @ 14:32

Location Fmr Sperry Rem. Elmira Date 7/30/12

Project / Client Unisys - Geosyntec

CBC-U0550-SW @ 1515

Temp	26.23	Turb	10.1
pH	8.55	DO	5.40
ORP	97	TDS	.298
Cond.	.463		

Fmr Sperry Rem. Elmira 7/31/12

Unisys - Geosyntec

Equipment Blank from 7/30/12

EB-09-RI-073112

- macrocore collected @ 0730 on 7/31/12 before field work to be analyzed for PCBs

Location Fmr Sperry Rem. Elm. Date 7/31/12

Project / Client Unisys - Geosyntec

Horiba U52 calibrations

pH	7.01	Before
cond.	2.15	
turb	0.4	
DO	8.87	
pH	4.01	After
cond	4.49	
turb	0.0	
DO	8.01	

WA-007-SW @ 0730

Temp	17.03	Turb	0.0.
pH	5.35	DO	1.54
ORP	39	TDS	.225
Cond.	.348		

Approximately three inches of water available for sampling.

Location Fmr Sperry Rem. Elmira Date 7/31/12

Project / Client Unisys - Geosyntec

WA-003-SW @ 0752

Temp	16.35	Turb	8.4
pH	5.75	DO	5.49
ORP	-12	TDS	.215
Cond.	.332		

Collected sample to the west of proposed sampling location. Insufficient water to sample original proposed location.

CBC-00+20-SW @ 0807

Temp	18.86	Turb	34.4
pH	5.95	DO	3.08
ORP	-4	TDS	.260
Cond.	.401		

Location Fmr Sperry Rem. Elmira Date 7/31/12

Project / Client Unisys - Geosyntec

CBC-00-20-SW @ 0812

Temp	19.30	Turb	11.7
pH	6.12	DO	2.64
ORP	29	TDS	.272
Cond	.419		

DS-5+~~00~~-SW @ 0824

Temp	17.18	Turb	0.0
pH	6.50	DO	4.38
ORP	42	TDS	.255
Cond	.392		

DS-0+00-SW @ 0843

Temp	16.49	Turb	0.0
pH	6.45	DO	6.25
ORP	-11	TDS	.240
Cond	.369		

Location Fmr Sperry Rem. Elmira Date 7/31/12

Project / Client Unisys - Geosyntec

~~DS-0+00-SW~~ 9/5

RR-U0100 slide hammer 1100-1116

RR-U0100-SS-A @ 1130
RR-U0100-SUB-C @ 1135
RR-U0100-SUB-D @ 1142

RR-050 slide hammer 1130-1147

RR-050-SS-A @ 1150
RR-050-SUB-C @ 1154
RR-050-SUB-D @ 1159

RR-350 Slide hammer 12:00-12:13

RR-350-SS-A @ 12:20
RR-350-SUB-C @ 12:26
RR-350-SUB-D @ 12:30

Location Far Sperry Remington Site Date 7/31/12

Project / Client Geosyntec - Chevron

RR-650 Slide hammer macro core
12:26 - 12:53

RR-650-SS-A @ 12:57
RR-650-SUB-C @ 13:03
RR-650-SUB-D @ 13:10

~~RR-DUP-01-SS-A @ 12:55~~ FOUR
~~RR-650-SS-A-MS @ 12:57~~ FOUR
~~RR-650-SS-A-MSD @ 12:57~~ FOUR

RR-650-SUB-C-MS @ 13:03
RR-650-SUB-C-MSD @ 13:03
RR-~~650~~ FOUR -~~DUP~~-01-SUB-C @ 13:03

CBC-40550-SED Hand driven macro-core @ 14:20 - 14:25

refusal at ~1' due to thick clay layer - water >4.5' deep

Location Far Sperry Remington Site Date 7/31/12

Project / Client Geosyntec Chevron

only collected sed A & sed B

CBC-40550-SED-A @ 14:30
CBC-40550-SED-B @ 14:40

EB-10-RI-073112 @ 15:35
macro-core tip for soil samples collected on 7/31/12
PCBs, SVOCs, Pesticides, metals & mercury, chromium & cyanide