January 19, 2007

Michael J. Hinton, P.E.
Division of Environmental Remediation
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

Subject: **2006 December Quarterly Report**
Booth Oil Site
North Tonawanda, New York
NYSDEC Site No. 9-32-100

Dear Mr. Hinton:

On behalf of the Booth Oil Site Administrative Group (BOSAG), AMEC Earth and Environmental, Inc. (AMEC) presents this *Quarterly Groundwater Gauging Report* for the above referenced site **(Figure 1)**. The groundwater gauging event was performed on December 18, 2006. Work was performed according to the approved site Operations and Maintenance Plan. The following sections of this report discuss the observations and activities completed during the gauging event.

GROUNDWATER GAUGING

Shallow overburden monitoring wells MW-101 through MW-104 were gauged for depth-to-water and light non-aqueous phase liquid (LNAPL) during the December 18, 2006 site visit. A summary of the gauging results is presented in **Table 1**. During the gauging event, two of the wells (MW-102, MW-104) exhibited ground water elevations above the top of screen. Three well volumes were purged from each of these two wells using a peristaltic pump, which allowed the aquifer to flush any potential LNAPL into the well.

The depth-to-water results of the gauging event were utilized to develop a groundwater contour map **(Figure 2)**. As illustrated on **Figure 2**, groundwater during the December 2006 monitoring event was projected to flow towards the west.

No LNAPL was observed in any of the wells.

SITE SURFACE CONDITIONS

An inspection of the surface conditions at the Site was conducted during the December 18, 2006 gauging event.

No significant signs of erosion were noted, and the grass was well maintained. A photographic log of the Site conditions has been included as **Attachment 1**.

SURFACE WATER SAMPLING

Surface water runoff was collected and sampled on October 5, 2006. The sample was collected following a rain event and analyzed for polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and total suspended solids (TSS). There were no detections for PAHs, PCBs, or TSS. Samples were analyzed by Severn Trent Laboratories of Amherst, NY. The analytical report has been included as **Attachment 2**.

SUMMARY

The groundwater elevation data indicates groundwater flow is to the west. This is consistent with previous groundwater flow directions which generally range from southwest to northwest. No LNAPL was present in any of the wells gauged. In general, the Site appeared well maintained. During the gauging event, no new erosional features were noted and analytical results for the October 2006 surface water samples from the Site had no detectable concentrations for PAHs, PCBs or TSS.

Should you have any questions or comments concerning this report, please contact Tim Ahrens at (518) 372-0905 or by e-mail at tim.ahrens@amec.com.

Sincerely,
AMEC Earth and Environmental Inc.

Howard G. Miller
Field Engineer

Timothy P. Ahrens
Project Manager

cc: BOSAG Steering Committee
BOSAG Technical Committee
Paul J. Kurzanski, CSXT
Matthew J. Forcucci, NYSDOH

TABLES

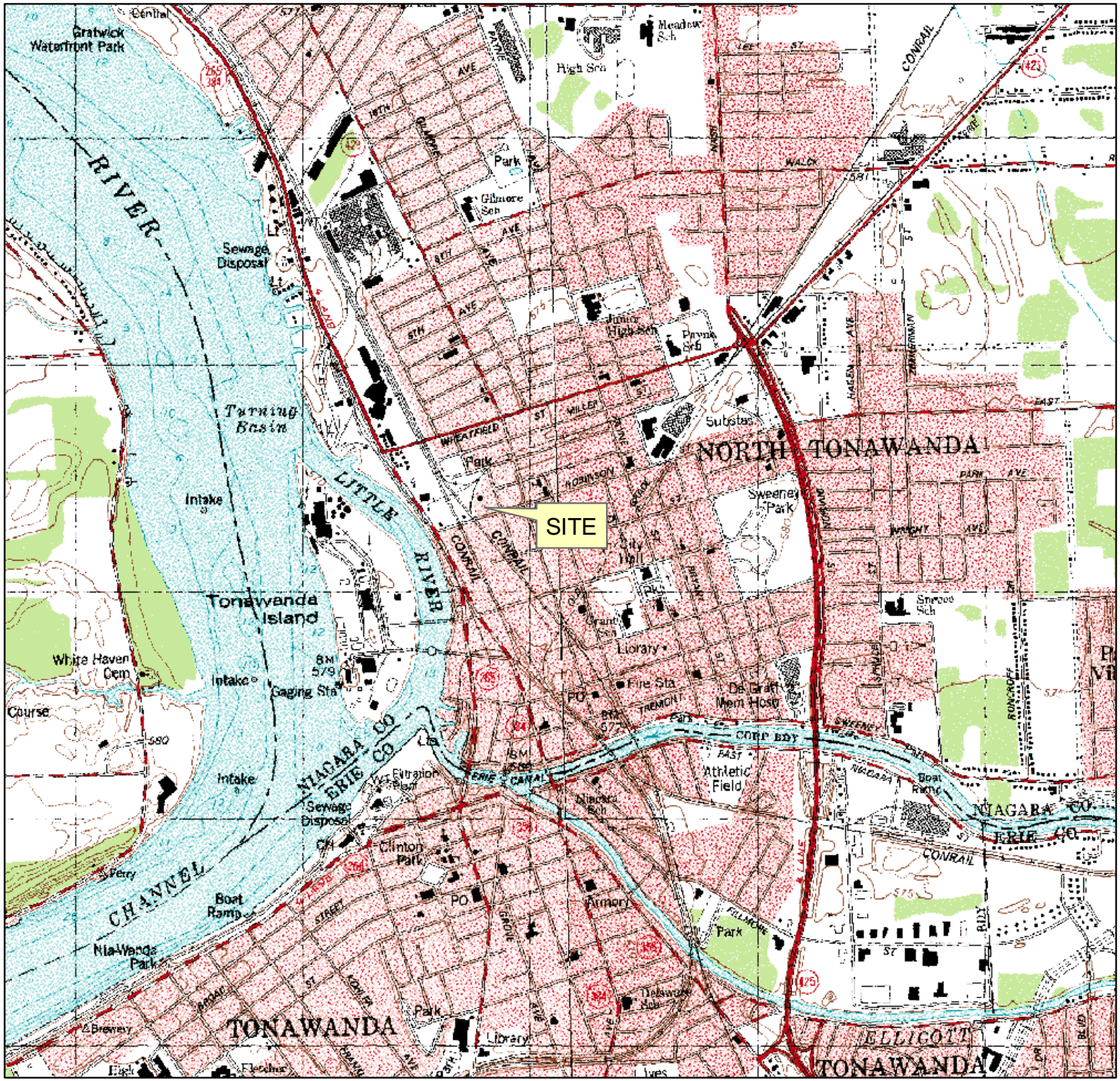
GROUNDWATER GAUGING RESULTS
TABLE 1

	Units	MW-101	MW-102	MW-103	MW-104
Top of Casing Elevation	ft-msl	579.2	579.66	579.84	580.6
Ground Surface Elevation	ft-msl	576.5	576.6	576.9	577.7
Stickup	feet	2.72	3.02	2.9	2.9
Depth to Top of Screen	ft-bgs	2.5	3	4.1	3.7
Top of Screen Elevation	ft-msl	574	573.6	572.8	574
Depth to Top of Clay	ft-bgs	4.9	6	6.5	5.9
Top of Clay Elevation	ft-msl	571.6	570.6	570.4	571.8
Depth to Bottom of Screen	ft-bgs	7.5	8	9.1	8.7
Bottom of Screen Elevation	ft-msl	569	568.6	567.8	569
18-Oct-04					
Depth to Groundwater	ft-toc	Dry	Dry	Dry	Dry
Groundwater Elevation	ft-msl	Dry	Dry	Dry	Dry
Depth to Groundwater	ft-bgs	Dry	Dry	Dry	Dry
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	--	--	--	--
Saturated Thickness above Clay	feet	0	0	0	0
13-Dec-04					
Depth to Groundwater	ft-toc	5.34	10.1	8.48	5.48
Groundwater Elevation	ft-msl	573.86	569.56	571.36	575.12
Depth to Groundwater	ft-bgs	2.62	7.08	5.58	2.58
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	Yes	Yes	Yes	No, High
Saturated Thickness above Clay	feet	2.28	-1.08	0.92	3.32
30-Mar-05					
Depth to Groundwater	ft-toc	4.51	8.39	Dry	Dry
Groundwater Elevation	ft-msl	574.69	571.27	Dry	Dry
Depth to Groundwater	ft-bgs	1.79	5.37	Dry	Dry
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	No, High	Yes	--	--
Saturated Thickness above Clay	feet	3.09	0.67	0	0
22-Jun-05					
Depth to Groundwater	ft-toc	6.77	6.75	8.5	8.59
Groundwater Elevation	ft-msl	572.43	572.91	571.34	572.01
Depth to Groundwater	ft-bgs	4.07	3.69	5.56	5.69
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	Yes	Yes	Yes	Yes
Saturated Thickness above Clay	feet	0.83	2.31	0.94	0.21
14-Sep-05					
Depth to Groundwater	ft-toc	6.69	10.37	8.76	9.63
Groundwater Elevation	ft-msl	572.51	569.29	571.08	570.97
Depth to Groundwater	ft-bgs	3.99	7.31	5.82	6.73
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	Yes	Yes	Yes	Yes
Saturated Thickness above Clay	feet	0.91	-1.31	0.68	-0.83

GROUNDWATER GAUGING RESULTS
TABLE 1

	Units	MW-101	MW-102	MW-103	MW-104
Top of Casing Elevation	ft-msl	579.2	579.66	579.84	580.6
Ground Surface Elevation	ft-msl	576.5	576.6	576.9	577.7
Stickup	feet	2.72	3.02	2.9	2.9
Depth to Top of Screen	ft-bgs	2.5	3	4.1	3.7
Top of Screen Elevation	ft-msl	574	573.6	572.8	574
Depth to Top of Clay	ft-bgs	4.9	6	6.5	5.9
Top of Clay Elevation	ft-msl	571.6	570.6	570.4	571.8
Depth to Bottom of Screen	ft-bgs	7.5	8	9.1	8.7
Bottom of Screen Elevation	ft-msl	569	568.6	567.8	569
01-Dec-05					
Depth to Groundwater	ft-toc	4.55	10.6	8.55	6.35
Groundwater Elevation	ft-msl	574.65	569.06	571.29	574.25
Depth to Groundwater	ft-bgs	1.85	7.54	5.61	3.45
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	No, High	Yes	Yes	No, High
Saturated Thickness above Clay	feet	3.05	-1.54	0.89	2.45
23-Mar-06					
Depth to Groundwater	ft-toc	5.36	6.84	8.49	5.42
Groundwater Elevation	ft-msl	573.84	572.82	571.35	575.18
Depth to Groundwater	ft-bgs	2.66	3.78	5.55	2.52
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	Yes	Yes	Yes	No, High
Saturated Thickness above Clay	feet	2.24	2.22	0.95	3.38
27-Jun-06					
Depth to Groundwater	ft-toc	6.92	7.54	8.59	9.12
Groundwater Elevation	ft-msl	572.28	572.12	571.25	571.48
Depth to Groundwater	ft-bgs	4.22	4.48	5.65	6.22
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	Yes	Yes	Yes	Yes
Saturated Thickness above Clay	feet	0.68	1.52	0.85	-0.32
26-Sep-06					
Depth to Groundwater	ft-toc	4.68	8.62	8.6	5.66
Groundwater Elevation	ft-msl	574.52	571.04	571.24	574.94
Depth to Groundwater	ft-bgs	1.98	5.56	5.66	2.76
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	No, High	Yes	Yes	No, High
Saturated Thickness above Clay	feet	2.92	0.44	0.84	3.14
18-Dec-06					
Depth to Groundwater	ft-toc	5.42	5.42	8.45	5.1
Groundwater Elevation	ft-msl	573.78	574.24	571.39	575.5
Depth to Groundwater	ft-bgs	2.72	2.36	5.51	2.2
Was LNAPL Present?	--	No	No	No	No
Was Groundwater Table within screened interval?	--	Yes	No, High	Yes	No, High
Saturated Thickness above Clay	feet	2.18	3.64	0.99	3.7

FIGURES



CSX TRANSPORTATION

Public Safety & Environment

Booth Oil Site
88 Robinson Street
North Tonawanda, NY
Site Location Map

Niagara County New York

LOCATOR

NOTES & SOURCES

Quadrangle Name: Tonowanda East NY
Map Source Date: 1 July 1995
Source: USGS
Projection: NAD 83 UTM Zone 17N
Map Created: 4 May 2005

0 2,000
Feet

N

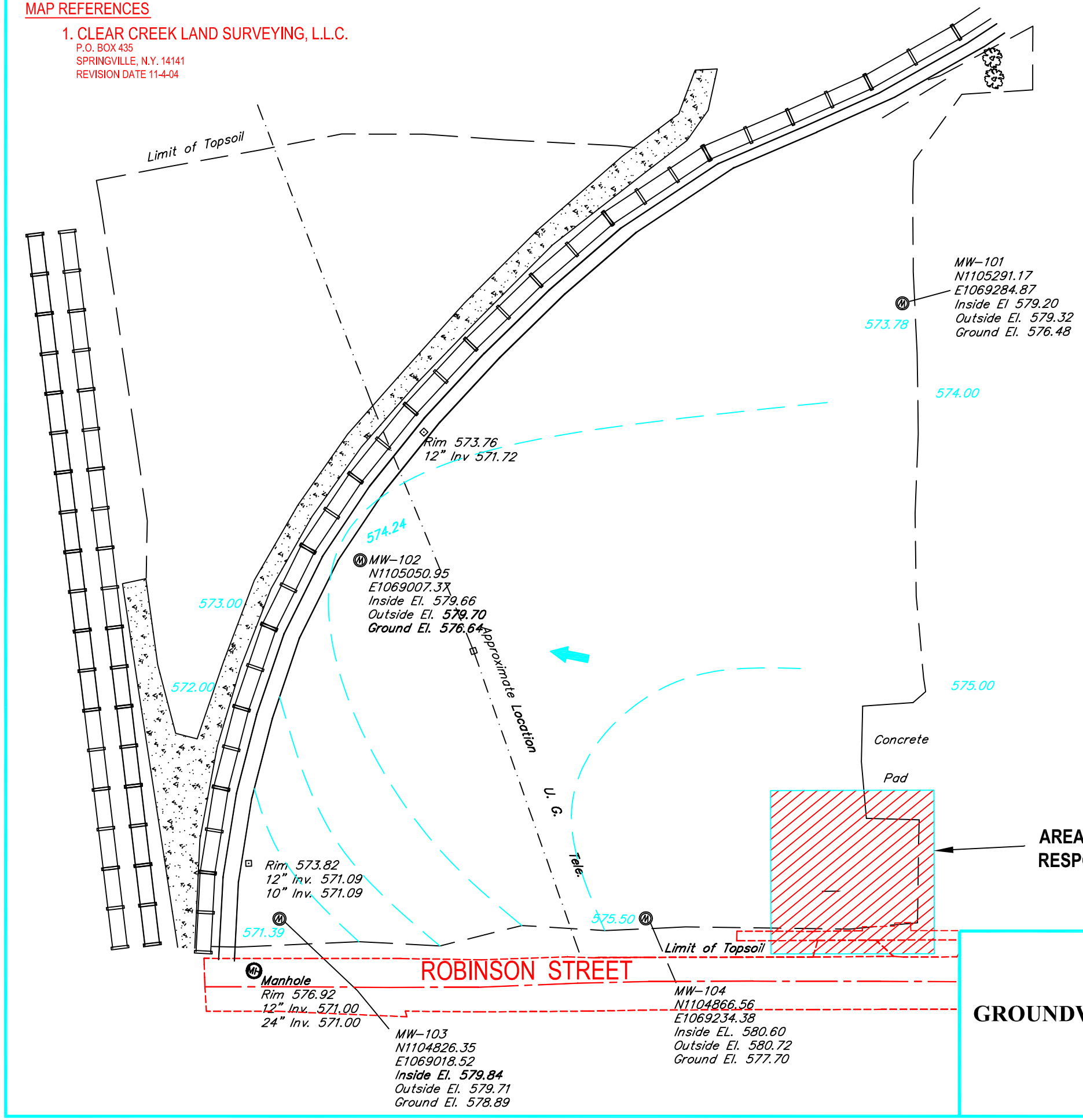
amec

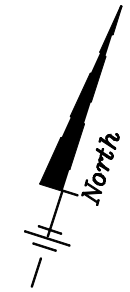
AMEC Earth & Environmental, Inc.
Westford, Massachusetts

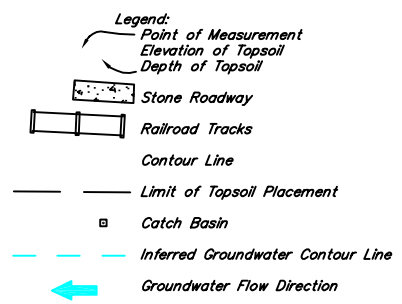
FIGURE
1

MAP REFERENCES

1. CLEAR CREEK LAND SURVEYING, L.L.C.
P.O. BOX 435
SPRINGVILLE, N.Y. 14141
REVISION DATE 11-4-04







~Note~

1. Groundwater contour lines are inferred from four (4) groundwater elevations points documented during the September 26, 2006 quarterly groundwater monitoring event.
2. Elevations shown refer to NAVD 88 vertical datum. Grid shown as provided by contractor. New York State Plane Horizontal Coordinates shown refer to NAD 83 (1984) NYS West Zone.
3. Alterations or additions to a survey bearing a licensed surveyors signature or seal, is illegal.

Groundwater Elevation Historical Data

Gauging Date	Units	MW-101	MW-102	MW-103	MW-104
18-Oct-04	ft-msl	Dry	Dry	Dry	Dry
13-Dec-04	ft-msl	573.86	569.56	571.36	575.12
30-Mar-05	ft-msl	574.69	571.27	Dry	Dry
22-Jun-05	ft-msl	572.43	572.91	571.34	572.01
14-Sep-05	ft-msl	572.51	569.29	571.08	570.97
01-Dec-05	ft-msl	574.65	569.06	571.29	574.25
23-Mar-06	ft-msl	573.84	572.82	571.35	575.18
27-Jun-06	ft-msl	572.28	572.12	571.25	571.48
26-Sep-06	ft-msl	574.52	571.04	571.24	574.94
18-Dec-06	ft-msl	573.78	574.24	571.39	575.50

FIGURE 2

GROUNDWATER CONTOUR MAP

SCALE = 1"=150'
DATE: 12/18/06

QUARTERLY GROUNDWATER GAUGING REPORT
N.Y.S.D.E.C. SPILL NO. 0375504
NORTH TONAWANDA, NEW YORK

amec

Drawing Name: Figure 2.dwg Project Number: 643008553

ATTACHMENTS

Photo 1

Entering the site Heading north toward MW-101

Photo 2

Facing west looking over the site

amec

155 Erie Blvd. Edison Plaza
Schenectady, New York 12305

W.O.	643008553
PROCESSED:	HGM
DATE:	December 2006
PAGE	1

Booth Oil Site
North Tonawanda, NY

CSX Transportation, Inc.
Jacksonville, FL

Photo 3

Facing northeast toward MW-101

Photo 4

Drainage pipe extending southward from the tracks

Photo 5

Facing southwest toward MW-103

Photo 6

Facing east toward MW-104

ANALYTICAL REPORT

Job#: A06-B585

STL Project#: NY3A9047
Site Name: AMEC-CSXT
Task: 9734605/ENV0008922/Booth Oil Site, N.Tonawanda,NY

Tim Ahrens
AMEC
155 Erie Blvd.
Schenectady, NY 12305

STL Buffalo

Candace L. Fox
Project Manager

10/18/2006

STL Buffalo
Current Certifications

As of 9/28/2006

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA,NELAP CWA, RCRA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA,ASP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	NELAP CWA,RCRA	68-00281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A6B58501	BOOTH OIL CB-1	WATER	10/05/2006	09:00	10/05/2006	15:30

METHODS SUMMARY

Job#: A06-B585

STL Project#: NY3A9047
Site Name: AMEC-CSXT

PARAMETER	ANALYTICAL METHOD
METHOD 625 - PAH's	CFR136 625
METHOD 608 - POLYCHLORINATED BIPHENYLS	CFR136 608
Total Suspended Solids	MCAWW 160.2

References:

CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

NON-CONFORMANCE SUMMARY

Job#: A06-B585

STL Project#: NY3A9047
Site Name: AMEC-CSXT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-B585
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Client ID		BOOTH OIL CB-1							
Job No	Lab ID	A06-B585	A6B58501						
Sample Date		10/05/2006							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	9.4	NA		NA		NA	
Acenaphthylene	UG/L	ND	9.4	NA		NA		NA	
Anthracene	UG/L	ND	9.4	NA		NA		NA	
Benzo(a)anthracene	UG/L	ND	9.4	NA		NA		NA	
Benzo(b)fluoranthene	UG/L	ND	9.4	NA		NA		NA	
Benzo(k)fluoranthene	UG/L	ND	9.4	NA		NA		NA	
Benzo(ghi)perylene	UG/L	ND	9.4	NA		NA		NA	
Benzo(a)pyrene	UG/L	ND	9.4	NA		NA		NA	
Chrysene	UG/L	ND	9.4	NA		NA		NA	
Dibenzo(a,h)anthracene	UG/L	ND	9.4	NA		NA		NA	
Fluoranthene	UG/L	ND	9.4	NA		NA		NA	
Fluorene	UG/L	ND	9.4	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/L	ND	9.4	NA		NA		NA	
2-Methylnaphthalene	UG/L	ND	9.4	NA		NA		NA	
Naphthalene	UG/L	ND	9.4	NA		NA		NA	
Phenanthrene	UG/L	ND	9.4	NA		NA		NA	
Pyrene	UG/L	ND	9.4	NA		NA		NA	
IS/SURROGATE(S)									
Phenanthrene-D10	%	102	50-200	NA		NA		NA	
Naphthalene-D8	%	101	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	103	50-200	NA		NA		NA	
Acenaphthene-D10	%	101	50-200	NA		NA		NA	
Chrysene-D12	%	103	50-200	NA		NA		NA	
Perylene-D12	%	112	50-200	NA		NA		NA	
Nitrobenzene-D5	%	72	47-120	NA		NA		NA	
2-Fluorobiphenyl	%	75	45-120	NA		NA		NA	
p-Terphenyl-d14	%	76	36-141	NA		NA		NA	
Phenol-D5	%	26	10-120	NA		NA		NA	
2-Fluorophenol	%	38	19-120	NA		NA		NA	
2,4,6-Tribromophenol	%	78	55-124	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		BOOTH OIL CB-1							
Job No	Lab ID	A06-B585	A6B58501						
Sample Date		10/05/2006							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/L	ND	0.099	NA		NA		NA	
Aroclor 1221	UG/L	ND	0.099	NA		NA		NA	
Aroclor 1232	UG/L	ND	0.099	NA		NA		NA	
Aroclor 1242	UG/L	ND	0.099	NA		NA		NA	
Aroclor 1248	UG/L	ND	0.099	NA		NA		NA	
Aroclor 1254	UG/L	ND	0.099	NA		NA		NA	
Aroclor 1260	UG/L	ND	0.099	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	100	22-132	NA		NA		NA	
Decachlorobiphenyl	%	67	30-135	NA		NA		NA	

8/28

NA = Not Applicable ND = Not Detected

Client ID		BOOTH OIL CB-1							
Job No	Lab ID	A06-B585	A6B58501						
Sample Date		10/05/2006							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Suspended Solids	MG/L	ND	4.0	NA		NA		NA	

9/28

NA = Not Applicable ND = Not Detected

Chronology and QC Summary Package

Client ID		Method Blank							
Job No	Lab ID	A06-B585	A6B2777102						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	10	NA		NA		NA	
Acenaphthylene	UG/L	ND	10	NA		NA		NA	
Anthracene	UG/L	ND	10	NA		NA		NA	
Benzo(a)anthracene	UG/L	ND	10	NA		NA		NA	
Benzo(b)fluoranthene	UG/L	ND	10	NA		NA		NA	
Benzo(k)fluoranthene	UG/L	ND	10	NA		NA		NA	
Benzo(ghi)perylene	UG/L	ND	10	NA		NA		NA	
Benzo(a)pyrene	UG/L	ND	10	NA		NA		NA	
Chrysene	UG/L	ND	10	NA		NA		NA	
Dibenzo(a,h)anthracene	UG/L	ND	10	NA		NA		NA	
Fluoranthene	UG/L	ND	10	NA		NA		NA	
Fluorene	UG/L	ND	10	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/L	ND	10	NA		NA		NA	
2-Methylnaphthalene	UG/L	ND	10	NA		NA		NA	
Naphthalene	UG/L	ND	10	NA		NA		NA	
Phenanthrene	UG/L	ND	10	NA		NA		NA	
Pyrene	UG/L	ND	10	NA		NA		NA	
IS/SURROGATE(S)									
Phenanthrene-D10	%	104	50-200	NA		NA		NA	
Naphthalene-D8	%	100	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	100	50-200	NA		NA		NA	
Acenaphthene-D10	%	102	50-200	NA		NA		NA	
Chrysene-D12	%	102	50-200	NA		NA		NA	
Perylene-D12	%	98	50-200	NA		NA		NA	
Nitrobenzene-D5	%	84	47-120	NA		NA		NA	
2-Fluorobiphenyl	%	88	45-120	NA		NA		NA	
p-Terphenyl-d14	%	90	36-141	NA		NA		NA	
Phenol-D5	%	34	10-120	NA		NA		NA	
2-Fluorophenol	%	46	19-120	NA		NA		NA	
2,4,6-Tribromophenol	%	87	55-124	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Matrix Spike Blank							
Job No	Lab ID	A06-B585	A6B2777101						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	46	10	NA		NA		NA	
Acenaphthylene	UG/L	46	10	NA		NA		NA	
Anthracene	UG/L	48	10	NA		NA		NA	
Benzo(a)anthracene	UG/L	50	10	NA		NA		NA	
Benzo(b)fluoranthene	UG/L	51	10	NA		NA		NA	
Benzo(k)fluoranthene	UG/L	44	10	NA		NA		NA	
Benzo(ghi)perylene	UG/L	52	10	NA		NA		NA	
Benzo(a)pyrene	UG/L	48	10	NA		NA		NA	
Chrysene	UG/L	50	10	NA		NA		NA	
Dibenzo(a,h)anthracene	UG/L	51	10	NA		NA		NA	
Fluoranthene	UG/L	47	10	NA		NA		NA	
Fluorene	UG/L	48	10	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/L	51	10	NA		NA		NA	
2-Methylnaphthalene	UG/L	40	10	NA		NA		NA	
Naphthalene	UG/L	40	10	NA		NA		NA	
Phenanthrene	UG/L	47	10	NA		NA		NA	
Pyrene	UG/L	51	10	NA		NA		NA	
IS/SURROGATE(S)									
Phenanthrene-D10	%	102	50-200	NA		NA		NA	
Naphthalene-D8	%	97	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	96	50-200	NA		NA		NA	
Acenaphthene-D10	%	100	50-200	NA		NA		NA	
Chrysene-D12	%	97	50-200	NA		NA		NA	
Perylene-D12	%	95	50-200	NA		NA		NA	
Nitrobenzene-D5	%	81	47-120	NA		NA		NA	
2-Fluorobiphenyl	%	85	45-120	NA		NA		NA	
p-Terphenyl-d14	%	91	36-141	NA		NA		NA	
Phenol-D5	%	32	10-120	NA		NA		NA	
2-Fluorophenol	%	44	19-120	NA		NA		NA	
2,4,6-Tribromophenol	%	89	55-124	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Lab ID Sample Date		Method Blank A06-B585 A6B2769202							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/L	ND	0.10	NA		NA		NA	
Aroclor 1221	UG/L	ND	0.10	NA		NA		NA	
Aroclor 1232	UG/L	ND	0.10	NA		NA		NA	
Aroclor 1242	UG/L	ND	0.10	NA		NA		NA	
Aroclor 1248	UG/L	ND	0.10	NA		NA		NA	
Aroclor 1254	UG/L	ND	0.10	NA		NA		NA	
Aroclor 1260	UG/L	ND	0.10	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	132	22-132	NA		NA		NA	
Decachlorobiphenyl	%	73	30-135	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Lab ID Sample Date		Matrix Spike Blank A06-B585 A6B2769201		Matrix Spike Blk Dup A06-B585 A6B2769203					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/L	0.58	0.10	0.50	0.10	NA		NA	
Aroclor 1221	UG/L	ND	0.10	ND	0.10	NA		NA	
Aroclor 1232	UG/L	ND	0.10	ND	0.10	NA		NA	
Aroclor 1242	UG/L	ND	0.10	ND	0.10	NA		NA	
Aroclor 1248	UG/L	ND	0.10	ND	0.10	NA		NA	
Aroclor 1254	UG/L	ND	0.10	ND	0.10	NA		NA	
Aroclor 1260	UG/L	0.48	0.10	0.46	0.10	NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	130	22-132	101	22-132	NA		NA	
Decachlorobiphenyl	%	67	30-135	58	30-135	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Lab ID Sample Date		Method Blank A06-B585 A6B2783902							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Suspended Solids	MG/L	ND	4.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		LCS							
Job No	Lab ID	A06-B585	A6B2783901						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Total Suspended Solids	MG/L	649	4.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: Method Blank Matrix Spike Blank
Lab Sample ID: A6B2777102 A6B2777101

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 625 - PAH'S					
Acenaphthene	UG/L	45.9	50.0	92	47-120
Acenaphthylene	UG/L	45.6	50.0	91	35-129
Anthracene	UG/L	48.4	50.0	97	49-133
Benzo(a)anthracene	UG/L	50.0	50.0	100	50-143
Benzo(b)fluoranthene	UG/L	51.1	50.0	102	59-138
Benzo(k)fluoranthene	UG/L	44.4	50.0	89	50-143
Benzo(ghi)perylene	UG/L	51.8	50.0	104	44-153
Benzo(a)pyrene	UG/L	47.6	50.0	95	57-140
Chrysene	UG/L	49.8	50.0	100	55-146
Dibenzo(a,h)anthracene	UG/L	51.2	50.0	102	45-153
Fluoranthene	UG/L	47.1	50.0	94	46-137
Fluorene	UG/L	47.7	50.0	96	59-121
Indeno(1,2,3-cd)pyrene	UG/L	51.2	50.0	102	50-147
Naphthalene	UG/L	39.7	50.0	79	33-120
Phenanthrene	UG/L	47.3	50.0	95	56-120
Pyrene	UG/L	50.8	50.0	102	52-120
2-Methylnaphthalene	UG/L	40.0	50.0	80	40-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A6B2769202 | A6B2769201 | A6B2769203

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
METHOD 608 - POLYCHLORINATED BIPHENYLS											
Aroclor 1260	UG/L	0.475	0.463	0.500	0.500	95	93	94	2	50.0	40-136
Aroclor 1016	UG/L	0.578	0.505	0.500	0.500	116	101	109	14	50.0	38-130

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A6B2783902 A6B2783901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 160.2 - TOTAL SUSPENDED SOLIDS	MG/L	649.0	663.0	98	88-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 625 - PAH'S

Client Sample ID Job No & Lab Sample ID	BOOTH OIL CB-1 A06-B585 A6B58501				
Sample Date	10/05/2006 09:00				
Received Date	10/05/2006 15:30				
Extraction Date	10/08/2006 08:00				
Analysis Date	10/10/2006 21:37				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.06 LITERS				
% Dry					

NA = Not Applicable

METHOD 625 - PAH'S

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A06-B585 A6B2777101				
Sample Date					
Received Date					
Extraction Date	10/08/2006 08:00				
Analysis Date	10/10/2006 16:01				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

METHOD 625 - PAH'S

Client Sample ID Job No & Lab Sample ID	Method Blank A06-B585 A6B2777102				
Sample Date					
Received Date					
Extraction Date	10/08/2006 08:00				
Analysis Date	10/10/2006 16:25				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

METHOD 608 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	BOOTH OIL CB-1 A06-B585 A6B58501				
Sample Date	10/05/2006 09:00				
Received Date	10/05/2006 15:30				
Extraction Date	10/06/2006 14:30				
Analysis Date	10/10/2006 23:05				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.01 LITERS				
% Dry					

NA = Not Applicable

METHOD 608 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A06-B585 A6B2769201	Matrix Spike Blk Dup A06-B585 A6B2769203			
Sample Date					
Received Date					
Extraction Date	10/06/2006 14:30	10/06/2006 14:30			
Analysis Date	10/10/2006 20:32	10/10/2006 20:51			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	WATER	WATER			
Dilution Factor	1.0	1.0			
Sample wt/vol	1.0 LITERS	1.0 LITERS			
% Dry					

NA = Not Applicable

METHOD 608 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	Method Blank A06-B585 A6B2769202				
Sample Date					
Received Date					
Extraction Date	10/06/2006 14:30				
Analysis Date	10/10/2006 21:10				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A6B58501	BOOTH OIL CB-1	MG/L	Total Suspended Solids	160.2	1.00	10/05/2006 09:00	10/05 15:30	NA	NA	10/09 10:00	Yes	WATER

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A6B2783902	Method Blank	MG/L	Total Suspended Solids	160.2	1.00	-	- 15:30	NA	NA	10/09 10:00	Yes	WATER
A6B2783901	LCS	MG/L	Total Suspended Solids	160.2	1.00	-	- 15:30	NA	NA	10/09 10:00	Yes	WATER

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

CSX TRANSPORTATION — CHAIN OF CUSTODY

LABORATORY INFORMATION

- ☐ STL Savannah – 5102 LaRoche Avenue, Savannah, GA 31404 P: 912-354-7858 F: 912-352-0165
- ☐ STL North Canton – 4101 Shuffel Drive NW, North Canton, OH 44720 P: 330-497-9396 F: 330-497-0772
- ☐ STL Tampa – 6712 Benjamin Road, Suite 100, Tampa, FL 33634 P: 813-885-7427 F: 813-885-7049
- ☐ STL Pensacola – 3355 McLemore Drive, Pensacola, FL 32514 P: 850-474-1001 F: 850-478-2671
- ☐ STL Buffalo – 10 Hazelwood Drive, Suite 106, Amherst, NY 14228 P: 716-691-2600 F: 716-691-7991
- ☐ STL Chicago – 2417 Bond Street, University Park, IL 60466 P: 708-534-5200 F: 708-534-5211

COC #

SHIPMENT INFORMATION

Shipment Method:

Shipment Tracking No:

CSXT PROJECT INFORMATION

CSXT Project Number: 9734605

CSXT Project Name: Booth Oil

CSXT Contact: Paul Kurzanski

Proj. State (State of Origin): NY

Proj. City: North Tonawanda

LWON:

CONSULTANT INFORMATION

Company: Anec

Address: 155 Erie Blvd.

City, State, Zip: Schenectady NY 12309

Project #: 643008551

PM: Tim Abrens

Email: tim.abrens@anec.com

Phone: 518-372-0905 Fax: 518-372-1047

Turnaround Time:

- ☐ 1 Day Rush
- ☐ 2 Day Rush
- ☐ 3 Day Rush
- ☐ Standard 6-13 Days — Specify # Days _____
- ☐ Standard 14 Days
- ☐ Other _____

Preservative Codes:

0 = No Preservatives; 1 = Hydrochloric Acid; 2 = Nitric Acid; 3 = Sulfuric Acid; 4 = Sodium Thiosulfate; 5 = Sodium Hydroxide; 6 = Other _____

Deliverables:

- ☐ CSXT Standard (Level II)
- ☐ Level III
- ☐ Level IV
- ☐ Other Deliv: _____
- ☐ EDD Required, Format: _____

Matrix Codes:

GW = Groundwater; WW = Waste Water; SW = Surface Water; SO = Soil; SL = Sludge; OI = Oil; SOL = Other Solid; LIQ = Liquid

SAMPLE INFORMATION

Sample Identification	Containers: Number & Type	Sample Collection: Date	Time	Sampler	Filtered: Y or N	Type: Comp or Grab	Matrix: Code	Note ➡ Pres. Code	METHODS FOR ANALYSIS: PAH (1625)	PCB (608)	TSS (160.2)	COMMENTS	LAB USE
Booth Oil CB-1	2	10/5/06	0900	GLH	N	G	SW		X				
	1	10/5/06	0900	GLH	N	G	SW			X			
	1	10/5/06	0900	GLH	N	G	SW				X		

Relinquished By:	Date/Time: 10/05/06 1530	Received By:	Date/Time: 10/05/06 1530	**Comments & Special Analytical Requirements:** 2.0°C
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Relinquished By:	Date/Time:	Received By:	Date/Time:	
Received By Laboratory:	Date/Time:	Lab Remarks:	LAB USE: Custody Intact ☐ Yes ☐ No	Custody Seal # # / LAB Log Number #

ORIGINAL – RETURN TO LABORATORY WITH SAMPLES — Rev. 5/22/06 — INVOICE MUST BE DELIVERED WITH ORIGINAL COC AND FINAL REPORT TO CONSULTANT