

**Operation, Maintenance and Monitoring Report
September 2009**

**NOW Corporation
Site 3-14-008**

**Work Assignment No.
D004445-4.1**

Prepared for:

**SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233**

Prepared by:

**AECOM Technical Services Northeast, Inc.
40 British American Boulevard
Latham, New York 12110**

November 2009



November 13, 2009

Mr. Carl Hoffman, P.E.
NYSDEC Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

**Re: NOW Corporation - Site #3-14-008
O&M Summary Report: "September" 2009**

Dear Mr. Hoffman:

This monthly summary report describes the operation, monitoring and maintenance (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York, for a 42-day period (**August 17 to September 28, 2009**).

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 598,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 14,200 gallons per day (gpd). During the prior reporting period, the average discharge was 8,100 gpd.

As of the last day of the reporting period, a total of 73,021,000 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on September 28, 2009. **There were no exceedances** of effluent limitations. A copy of the analytical laboratory report is attached. Table 2 summarizes selected operational data recorded on the sampling date.

AECOM made two site visits during the period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and to collect water samples. The August 17 service visit was described in the previous report. Details for the current period follow:

September 2 – Cleaned air stripper; removed scale from inside and drilled out holes in air pipes.

September 28 - Monthly system inspection and water sampling.

Please feel free to contact me at (518) 951-2262 if you have any questions regarding this report or the operation of the treatment system.

Sincerely,
AECOM Technical Services Northeast, Inc.

Stephen R. Choiniere
Project Manager

Table 1
Summary of Influent and Effluent Data
Sampling Date: September 28, 2009
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	
			TW-1	TW-2A	TW-3	(units)	
Quantity treated, per day		14,240				Monitor	gpd
pH	7.1	7.0				6.5 to 8.5	standard units
Oil and Grease	<5.0	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	<10	<10	NA	NA	NA	10	ug/L
TDS	270	260	NA	NA	NA	1000	mg/L
TSS	24	<10	NA	NA	NA	50	mg/L
Aluminum, Total	<200	<200	NA	NA	NA	2000	ug/L
Arsenic, Total	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	83 J	84 J	NA	NA	NA	2000	ug/L
Chromium	0.53 J	0.80 J	NA	NA	NA	100	ug/L
Copper	<25	<25	NA	NA	NA	24	ug/L
Iron	<200	<200	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	140	60	NA	NA	NA	600	ug/L
Nickel	1.6 BJ	1.7 BJ	NA	NA	NA	200	ug/L
Zinc	20 BJ	18 BJ	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	1000	<0.50	4.2	1600	24	5	ug/L
1,1,2-Trichloroethane	<20	<0.50	<2.5	<40	<1.0	1.2	ug/L
1,1-Dichloroethane	350	<0.50	100	510	43	5	ug/L
1,1-Dichloroethene	110	<0.50	76	190	11	0.5	ug/L
1,2-Dichloroethane	<20	<0.50	<2.5	<40	<1.0	1.6	ug/L
Benzene	<20	<0.50	<2.5	<40	<1.0	0.8	ug/L
Chlorobenzene	<20	<0.50	<2.5	<40	<1.0	5	ug/L
Chloroethane	<20	<0.50	<2.5	<40	<1.0	5	ug/L
cis-1,2-Dichloroethene	23	<0.50	4.7	37 J	0.62 J	5	ug/L
Ethylbenzene	<20	<0.50	<2.5	<40	<1.0	5	ug/L
Methyl tert-butyl ether	<20	<0.50	<2.5	<40	<1.0	5	ug/L
o-Xylene	<20	<0.50	<2.5	<40	<1.0	5	ug/L
p&m-Xylene	<20	<0.50	<2.5	<40	<1.0	10	ug/L
Tetrachloroethene	<20	<0.50	<2.5	<40	<1.0	1.4	ug/L
Toluene	<20	<0.50	<2.5	<40	<1.0	5	ug/L
trans-1,2-Dichloroethene	<20	<0.50	<2.5	<40	<1.0	5	ug/L
Trichloroethene	680	<0.50	62	1100	25	5	ug/L
Vinyl Chloride	<20	<0.50	<2.5	<40	<1.0	0.6	ug/L

Notes:

- 1) Detected concentrations are presented in **bold** typeface, and are expressed in the units shown in far right column.
- 2) Effluent concentration boxed in **bold** denotes exceedance of effluent limitations.
- 3) NA indicates not analyzed.
- 4) "J" indicates an estimated concentration below the reporting limit (RL).
- 5) "D" denotes analytical result for a diluted sample.
- 6) "B" denotes metal detected in method blank at concentration below the RL, but above the method detection limit.

Table 2
Summary of September 2009 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:	9/28/09	Units
<i>TW-1</i>		
Pumping Rate	1	GPM
Water Level Above Transducer	43.95	feet
Flow Meter Reading	5,086,400	gallons
Pump Pressure	68	psi
<i>TW-2A</i>		
Pumping Rate	16	GPM
Water Level Above Transducer	19.07	feet
Flow Meter Reading	12,736,100	gallons
Pump Pressure	17	psi
<i>TW-3</i>		
Pumping Rate	3	GPM
Water Level Above Transducer	25.25	feet
Flow Meter Reading	7,237,000	gallons
Pump Pressure	67	psi
<i>Air Stripper</i>		
Stripper Blower Pressure	15	inches H ₂ O
Air Temperature in Stripper	50	°F
Pressure Gauge - Left Leg	0.9	inches H ₂ O
Pressure Gauge - Right Leg	0.1	inches H ₂ O
<i>Effluent Flow</i>		
Effluent Flow this period (calculated)	598,100	gallons
Total Effluent Flow (calculated)	73,020,700	gallons



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

October 22, 2009

Earth Tech - AECOM
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

RE: Client Project: NOW Corp. Site, 94017.02, 09/09
Lab Project #: H1890

Dear Mr. Choiniere:

Enclosed please find the data report for the analyses of samples associated with the above referenced project.

If you have any questions, please do not hesitate to call me.

We appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read "Edward A. Lawler", written in a cursive style.

Edward A. Lawler
Laboratory Operations Manager

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 09/09

Mitkem Work Order ID: H1890

October 22, 2009

Prepared For: AECOM Technical Services
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

Prepared By: Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

Client: AECOM Technical Services

Client Project: NOW Corp, 94017.02, 09/09

Lab Work Order: H1890

Date samples received: 09/29/09

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on September 29, 2009. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

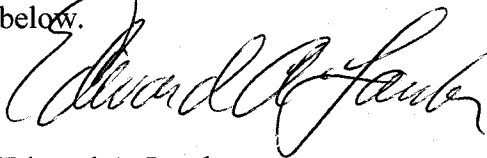
Surrogate recoveries were within the QC limits for volatile organic analyses. Percent recoveries in laboratory control samples were within the QC limits. The following samples were analyzed at dilution: INF92809 (40X), TW-1 (5X), TW-2A (80X), and TW-3 (2X).

Spike recoveries were within the QC limits in the laboratory control samples for metals, total dissolved solids, total suspended solids, cyanide and oil & grease analyses. Trace amount of several metals were detected in method blank MB-46537 at a level below the reporting limits but above the MDL. Where these elements are also detected in a sample, their concentrations are qualified with a "B" on data sheets. Please note that the concentrations in the samples are also below the nominal reporting limit. Duplicate analyses were performed on sample INF92809 for total dissolved solids, total suspended solids, and cyanide. Percent RPDs were within the QC limits. Matrix spike analysis was performed on sample INF92809 for cyanide analysis. Spike recovery was marginally above the QC limit.

No other unusual occurrences were noted during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

This data report has been reviewed and is authorized for release as evidenced by the signature below.



Edward A. Lawler
Laboratory Operations Manager

Mitkem Laboratories

Date: 09-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF92809

Lab ID: H1890-01

Project: NOW Corp. Site

Collection Date: 09/28/09 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Chloroethane	ND		0.50	µg/L	1	10/07/2009 10:00	46602
1,1-Dichloroethene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Methyl tert-butyl ether	ND		0.50	µg/L	1	10/07/2009 10:00	46602
1,1-Dichloroethane	ND		0.50	µg/L	1	10/07/2009 10:00	46602
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
1,1,1-Trichloroethane	ND		0.50	µg/L	1	10/07/2009 10:00	46602
1,2-Dichloroethane	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Benzene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Trichloroethene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Toluene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
1,1,2-Trichloroethane	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Tetrachloroethene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Chlorobenzene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Ethylbenzene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
m,p-Xylene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
o-Xylene	ND		0.50	µg/L	1	10/07/2009 10:00	46602
Surrogate: Dibromofluoromethane	106		88-124	%REC	1	10/07/2009 10:00	46602
Surrogate: 1,2-Dichloroethane-d4	111		79-115	%REC	1	10/07/2009 10:00	46602
Surrogate: Toluene-d8	91.6		80-114	%REC	1	10/07/2009 10:00	46602
Surrogate: Bromofluorobenzene	104		60-123	%REC	1	10/07/2009 10:00	46602

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 09-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF92809

Lab ID: H1890-02

Project: NOW Corp. Site

Collection Date: 09/28/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		20	µg/L	40	10/07/2009 14:24	46602
Chloroethane	ND		20	µg/L	40	10/07/2009 14:24	46602
1,1-Dichloroethene	110		20	µg/L	40	10/07/2009 14:24	46602
trans-1,2-Dichloroethene	ND		20	µg/L	40	10/07/2009 14:24	46602
Methyl tert-butyl ether	ND		20	µg/L	40	10/07/2009 14:24	46602
1,1-Dichloroethane	350		20	µg/L	40	10/07/2009 14:24	46602
cis-1,2-Dichloroethene	23		20	µg/L	40	10/07/2009 14:24	46602
1,1,1-Trichloroethane	1000		20	µg/L	40	10/07/2009 14:24	46602
1,2-Dichloroethane	ND		20	µg/L	40	10/07/2009 14:24	46602
Benzene	ND		20	µg/L	40	10/07/2009 14:24	46602
Trichloroethene	680		20	µg/L	40	10/07/2009 14:24	46602
Toluene	ND		20	µg/L	40	10/07/2009 14:24	46602
1,1,2-Trichloroethane	ND		20	µg/L	40	10/07/2009 14:24	46602
Tetrachloroethene	ND		20	µg/L	40	10/07/2009 14:24	46602
Chlorobenzene	ND		20	µg/L	40	10/07/2009 14:24	46602
Ethylbenzene	ND		20	µg/L	40	10/07/2009 14:24	46602
m,p-Xylene	ND		20	µg/L	40	10/07/2009 14:24	46602
o-Xylene	ND		20	µg/L	40	10/07/2009 14:24	46602
Surrogate: Dibromofluoromethane	107		88-124	%REC	40	10/07/2009 14:24	46602
Surrogate: 1,2-Dichloroethane-d4	106		79-115	%REC	40	10/07/2009 14:24	46602
Surrogate: Toluene-d8	90.9		80-114	%REC	40	10/07/2009 14:24	46602
Surrogate: Bromofluorobenzene	103		60-123	%REC	40	10/07/2009 14:24	46602

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 09-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-1

Lab ID: H1890-03

Project: NOW Corp. Site

Collection Date: 09/28/09 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Chloroethane	ND		2.5	µg/L	5	10/07/2009 14:52	46602
1,1-Dichloroethene	76		2.5	µg/L	5	10/07/2009 14:52	46602
trans-1,2-Dichloroethene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Methyl tert-butyl ether	ND		2.5	µg/L	5	10/07/2009 14:52	46602
1,1-Dichloroethane	100		2.5	µg/L	5	10/07/2009 14:52	46602
cis-1,2-Dichloroethene	4.7		2.5	µg/L	5	10/07/2009 14:52	46602
1,1,1-Trichloroethane	4.2		2.5	µg/L	5	10/07/2009 14:52	46602
1,2-Dichloroethane	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Benzene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Trichloroethene	62		2.5	µg/L	5	10/07/2009 14:52	46602
Toluene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
1,1,2-Trichloroethane	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Tetrachloroethene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Chlorobenzene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Ethylbenzene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
m,p-Xylene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
o-Xylene	ND		2.5	µg/L	5	10/07/2009 14:52	46602
Surrogate: Dibromofluoromethane	105		88-124	%REC	5	10/07/2009 14:52	46602
Surrogate: 1,2-Dichloroethane-d4	109		79-115	%REC	5	10/07/2009 14:52	46602
Surrogate: Toluene-d8	92.3		80-114	%REC	5	10/07/2009 14:52	46602
Surrogate: Bromofluorobenzene	105		60-123	%REC	5	10/07/2009 14:52	46602

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 09-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-2A

Lab ID: H1890-04

Project: NOW Corp. Site

Collection Date: 09/28/09 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		40	µg/L	80	10/07/2009 15:22	46602
Chloroethane	ND		40	µg/L	80	10/07/2009 15:22	46602
1,1-Dichloroethene	190		40	µg/L	80	10/07/2009 15:22	46602
trans-1,2-Dichloroethene	ND		40	µg/L	80	10/07/2009 15:22	46602
Methyl tert-butyl ether	ND		40	µg/L	80	10/07/2009 15:22	46602
1,1-Dichloroethane	510		40	µg/L	80	10/07/2009 15:22	46602
cis-1,2-Dichloroethene	37	J	40	µg/L	80	10/07/2009 15:22	46602
1,1,1-Trichloroethane	1600		40	µg/L	80	10/07/2009 15:22	46602
1,2-Dichloroethane	ND		40	µg/L	80	10/07/2009 15:22	46602
Benzene	ND		40	µg/L	80	10/07/2009 15:22	46602
Trichloroethene	1100		40	µg/L	80	10/07/2009 15:22	46602
Toluene	ND		40	µg/L	80	10/07/2009 15:22	46602
1,1,2-Trichloroethane	ND		40	µg/L	80	10/07/2009 15:22	46602
Tetrachloroethene	ND		40	µg/L	80	10/07/2009 15:22	46602
Chlorobenzene	ND		40	µg/L	80	10/07/2009 15:22	46602
Ethylbenzene	ND		40	µg/L	80	10/07/2009 15:22	46602
m,p-Xylene	ND		40	µg/L	80	10/07/2009 15:22	46602
o-Xylene	ND		40	µg/L	80	10/07/2009 15:22	46602
Surrogate: Dibromofluoromethane	108		88-124	%REC	80	10/07/2009 15:22	46602
Surrogate: 1,2-Dichloroethane-d4	111		79-115	%REC	80	10/07/2009 15:22	46602
Surrogate: Toluene-d8	91.1		80-114	%REC	80	10/07/2009 15:22	46602
Surrogate: Bromofluorobenzene	101		60-123	%REC	80	10/07/2009 15:22	46602

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 09-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TW-3

Project: NOW Corp. Site

Lab ID: H1890-05

Collection Date: 09/28/09 11:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Chloroethane	ND		1.0	µg/L	2	10/07/2009 13:54	46602
1,1-Dichloroethene	11		1.0	µg/L	2	10/07/2009 13:54	46602
trans-1,2-Dichloroethene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Methyl tert-butyl ether	ND		1.0	µg/L	2	10/07/2009 13:54	46602
1,1-Dichloroethane	43		1.0	µg/L	2	10/07/2009 13:54	46602
cis-1,2-Dichloroethene	0.62	J	1.0	µg/L	2	10/07/2009 13:54	46602
1,1,1-Trichloroethane	24		1.0	µg/L	2	10/07/2009 13:54	46602
1,2-Dichloroethane	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Benzene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Trichloroethene	25		1.0	µg/L	2	10/07/2009 13:54	46602
Toluene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
1,1,2-Trichloroethane	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Tetrachloroethene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Chlorobenzene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Ethylbenzene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
m,p-Xylene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
o-Xylene	ND		1.0	µg/L	2	10/07/2009 13:54	46602
Surrogate: Dibromofluoromethane	108		88-124	%REC	2	10/07/2009 13:54	46602
Surrogate: 1,2-Dichloroethane-d4	111		79-115	%REC	2	10/07/2009 13:54	46602
Surrogate: Toluene-d8	89.2		80-114	%REC	2	10/07/2009 13:54	46602
Surrogate: Bromofluorobenzene	102		60-123	%REC	2	10/07/2009 13:54	46602

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 09-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: TRIP BLANK

Lab ID: H1890-06

Project: NOW Corp. Site

Collection Date: 09/28/09 0:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 8260 -- VOC by GC-MS (25 mL Purge)							SW8260_25_W
Vinyl chloride	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Chloroethane	ND		0.50	µg/L	1	10/07/2009 10:29	46602
1,1-Dichloroethene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Methyl tert-butyl ether	ND		0.50	µg/L	1	10/07/2009 10:29	46602
1,1-Dichloroethane	ND		0.50	µg/L	1	10/07/2009 10:29	46602
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
1,1,1-Trichloroethane	ND		0.50	µg/L	1	10/07/2009 10:29	46602
1,2-Dichloroethane	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Benzene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Trichloroethene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Toluene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
1,1,2-Trichloroethane	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Tetrachloroethene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Chlorobenzene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Ethylbenzene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
m,p-Xylene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
o-Xylene	ND		0.50	µg/L	1	10/07/2009 10:29	46602
Surrogate: Dibromofluoromethane	102		88-124	%REC	1	10/07/2009 10:29	46602
Surrogate: 1,2-Dichloroethane-d4	105		79-115	%REC	1	10/07/2009 10:29	46602
Surrogate: Toluene-d8	92.1		80-114	%REC	1	10/07/2009 10:29	46602
Surrogate: Bromofluorobenzene	105		60-123	%REC	1	10/07/2009 10:29	46602

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
 Work Order: HI1890
 Project: NOW Corp. Site

SW8260_25_W
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: MB-46602 SampType: MBLK TestCode: SW8260_25_W Run ID: V5_091007D
 Client ID: MB-46602 Batch ID: 46602 Units: µg/L Analysis Date: 10/7/2009 SeqNo: 1131419

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.50									
Chloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
1,1-Dichloroethane	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
Benzene	ND	0.50									
Trichloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Chlorobenzene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	0.50									
o-Xylene	ND	0.50									
Surrogate: Dibromofluoromethane	10.59		10.00	0	106	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	10.73		10.00	0	107	79	115	0			
Surrogate: Toluene-d8	9.274		10.00	0	92.7	80	114	0			
Surrogate: Bromofluorobenzene	10.43		10.00	0	104	60	123	0			

0009

CLIENT: AECOM Technical Services, Inc.
 Work Order: H1890
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Run ID: V5_091007D

Prep Date: 10/6/2009

SeqNo: 1131420

TestCode: SW8260_25_W

Units: µg/L

SampType: LCS

Batch ID: 46602

Sample ID: LCS-46602

Client ID: LCS-46602

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	11.14	0.50	10.00	0	111	77	120	0			
Chloroethane	11.03	0.50	10.00	0	110	75	135	0			
1,1-Dichloroethene	11.52	0.50	10.00	0	115	81	125	0			
trans-1,2-Dichloroethene	11.36	0.50	10.00	0	114	60	137	0			
Methyl tert-butyl ether	11.71	0.50	10.00	0	117	61	134	0			
1,1-Dichloroethane	11.65	0.50	10.00	0	116	82	120	0			
cis-1,2-Dichloroethene	11.06	0.50	10.00	0	111	84	116	0			
1,1,1-Trichloroethane	11.50	0.50	10.00	0	115	80	124	0			
1,2-Dichloroethane	10.62	0.50	10.00	0	106	86	117	0			
Benzene	11.45	0.50	10.00	0	114	81	121	0			
Trichloroethene	10.57	0.50	10.00	0	106	74	123	0			
Toluene	11.26	0.50	10.00	0	113	88	117	0			
1,1,2-Trichloroethane	11.31	0.50	10.00	0	113	83	121	0			
Tetrachloroethene	9.695	0.50	10.00	0	96.9	74	115	0			
Chlorobenzene	10.04	0.50	10.00	0	100	83	112	0			
Ethylbenzene	9.898	0.50	10.00	0	99.0	87	110	0			
m,p-Xylene	19.64	0.50	20.00	0	98.2	87	114	0			
o-Xylene	9.855	0.50	10.00	0	98.6	84	114	0			
Surrogate: Dibromofluoromethane	10.77	0.50	10.00	0	108	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	11.17	0.50	10.00	0	112	79	115	0			
Surrogate: Toluene-d8	9.569	0.50	10.00	0	95.7	80	114	0			
Surrogate: Bromofluorobenzene	10.53	0.50	10.00	0	105	60	123	0			

0010

Qualifiers: ND - Not Detected at the Reporting Limit
 mlLIMS-001 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: AECOM Technical Services, Inc.
 Work Order: H1890
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W
 SW846 8260 -- VOC by GC-MS (25 mL Purge)

Sample ID: LCSD-46602 SampType: LCSD TestCode: SW8260_25_W Prep Date: 10/6/2009 Run ID: V5_091007D
 Client ID: LCSD-46602 Batch ID: 46602 Units: µg/L Analysis Date: 10/7/2009 SeqNo: 1131421

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	10.51	0.50	10.00	0	105	77	120	11.14	5.85	40	
Chloroethane	10.73	0.50	10.00	0	107	75	135	11.03	2.72	40	
1,1-Dichloroethene	10.45	0.50	10.00	0	105	81	125	11.52	9.66	40	
trans-1,2-Dichloroethene	10.61	0.50	10.00	0	106	60	137	11.36	6.84	40	
Methyl tert-butyl ether	11.51	0.50	10.00	0	115	61	134	11.71	1.75	40	
1,1-Dichloroethane	11.58	0.50	10.00	0	116	82	120	11.65	0.614	40	
cis-1,2-Dichloroethene	11.18	0.50	10.00	0	112	84	116	11.06	1.07	40	
1,1,1-Trichloroethane	11.54	0.50	10.00	0	115	80	124	11.50	0.412	40	
1,2-Dichloroethane	10.62	0.50	10.00	0	106	86	117	10.62	0.0226	40	
Benzene	11.04	0.50	10.00	0	110	81	121	11.45	3.61	40	
Trichloroethene	10.40	0.50	10.00	0	104	74	123	10.57	1.63	40	
Toluene	11.22	0.50	10.00	0	112	88	117	11.26	0.348	40	
1,1,2-Trichloroethane	11.56	0.50	10.00	0	116	83	121	11.31	2.16	40	
Tetrachloroethene	9.051	0.50	10.00	0	90.5	74	115	9.695	6.86	40	
Chlorobenzene	10.36	0.50	10.00	0	104	83	112	10.04	3.1	40	
Ethylbenzene	9.696	0.50	10.00	0	97.0	87	110	9.898	2.06	40	
m,p-Xylene	20.22	0.50	20.00	0	101	87	114	19.64	2.89	40	
o-Xylene	10.07	0.50	10.00	0	101	84	114	9.855	2.14	40	
Surrogate: Dibromofluoromethane	10.34	0.50	10.00	0	103	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	10.57	0.50	10.00	0	106	79	115	0			
Surrogate: Toluene-d8	9.657	0.50	10.00	0	96.6	80	114	0			
Surrogate: Bromofluorobenzene	10.36	0.50	10.00	0	104	60	123	0			

0011

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 mlLIMS-001 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Mitkem Laboratories

Date: 06-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF92809

Project: NOW Corp. Site

Lab ID: H1890-01

Collection Date: 09/28/09 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664 -- Oil & Grease, HEM							E1664
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	10/06/2009 0:00	46512

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 06-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF92809

Lab ID: H1890-02

Project: NOW Corp. Site

Collection Date: 09/28/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA 1664 -- Oil & Grease, HEM							E1664
Oil & Grease, Total Recoverable	ND		5.0	mg/L	1	10/06/2009 0:00	46512

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
Work Order: H1890
Project: NOW Corp. Site

E1664
EPA 1664 -- Oil & Grease, HEM

Sample ID: MB-46512	SampType: MBLK	TestCode: E1664	Prep Date: 10/2/2009	Run ID: MANUAL_091006A
Client ID: MB-46512	Batch ID: 46512	Units: mg/L	Analysis Date: 10/6/2009	SeqNo: 1128105
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	ND	5.0	0	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCS-46512	SampType: LCS	TestCode: E1664	Prep Date: 10/2/2009	Run ID: MANUAL_091006A
Client ID: LCS-46512	Batch ID: 46512	Units: mg/L	Analysis Date: 10/6/2009	SeqNo: 1128103
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	32.50	5.0	0	RPD Ref Val %RPD RPDLimit Qual

Sample ID: LCSD-46512	SampType: LCSD	TestCode: E1664	Prep Date: 10/2/2009	Run ID: MANUAL_091006A
Client ID: LCSD-46512	Batch ID: 46512	Units: mg/L	Analysis Date: 10/6/2009	SeqNo: 1128104
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Oil & Grease, Total Recoverable	34.90	5.0	0	RPD Ref Val %RPD RPDLimit Qual

0014

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 20-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF92809

Lab ID: H1890-01

Project: NOW Corp. Site

Collection Date: 09/28/09 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L	1	10/05/2009 11:24	46537
Arsenic	ND		20	µg/L	1	10/05/2009 11:24	46537
Barium	84	J	200	µg/L	1	10/05/2009 11:24	46537
Chromium	0.80	J	20	µg/L	1	10/05/2009 11:24	46537
Copper	ND		25	µg/L	1	10/05/2009 11:24	46537
Iron	ND		200	µg/L	1	10/05/2009 11:24	46537
Manganese	60		50	µg/L	1	10/05/2009 11:24	46537
Nickel	1.7	BJ	50	µg/L	1	10/05/2009 11:24	46537
Zinc	18	BJ	50	µg/L	1	10/05/2009 11:24	46537
SW846 7470 -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L	1	10/07/2009 7:29	46589

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 RL - Reporting Limit

Mitkem Laboratories

Date: 20-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF92809

Lab ID: H1890-02

Project: NOW Corp. Site

Collection Date: 09/28/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							SW6010_W
Aluminum	ND		200	µg/L	1	10/05/2009 11:26	46537
Arsenic	ND		20	µg/L	1	10/05/2009 11:26	46537
Barium	83	J	200	µg/L	1	10/05/2009 11:26	46537
Chromium	0.53	J	20	µg/L	1	10/05/2009 11:26	46537
Copper	ND		25	µg/L	1	10/05/2009 11:26	46537
Iron	ND		200	µg/L	1	10/05/2009 11:26	46537
Manganese	140		50	µg/L	1	10/05/2009 11:26	46537
Nickel	1.6	BJ	50	µg/L	1	10/05/2009 11:26	46537
Zinc	20	BJ	50	µg/L	1	10/05/2009 11:26	46537
SW846 7470 -- Mercury by FIA							SW7470
Mercury	ND		0.20	µg/L	1	10/07/2009 7:30	46589

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: AECOM Technical Services, Inc.
 Work Order: HI1890
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
 SW6010_W
 SW846 6010 -- Metals by ICP

Sample ID: MB-46537 SampType: MBLK TestCode: SW6010_W Prep Date: 10/2/2009 Run ID: OPTIMA2_091005B
 Client ID: MB-46537 Batch ID: 46537 Units: µg/L Analysis Date: 10/5/2009 SeqNo: 1127900

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	12.60	200									J
Arsenic	ND	20									
Barium	ND	200									
Chromium	ND	20									
Copper	11.28	30									J
Iron	ND	200									
Manganese	ND	50									J
Nickel	0.7805	50									J
Zinc	36.78	50									J

Sample ID: LCS-46537 SampType: LCS TestCode: SW6010_W Prep Date: 10/2/2009 Run ID: OPTIMA2_091005B
 Client ID: LCS-46537 Batch ID: 46537 Units: µg/L Analysis Date: 10/5/2009 SeqNo: 1127901

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9426	200	9100	0	104	80	120	0			B
Arsenic	480.9	20	455.0	0	106	80	120	0			
Barium	9579	200	9100	0	105	80	120	0			
Chromium	937.7	20	910.0	0	103	80	120	0			
Copper	1175	30	1130	0	104	80	120	0			B
Iron	4812	200	4550	0	106	80	120	0			
Manganese	2380	50	2270	0	105	80	120	0			
Nickel	2403	50	2270	0	106	80	120	0			B
Zinc	2451	50	2270	0	108	80	120	0			B

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H1890

Project: NOW Corp. Site

SW7470

SW846 7470 -- Mercury by FIA

Sample ID: MB-46589	SampType: MBLK	TestCode: SW7470	Prep Date: 10/6/2009	Run ID: FIMS1_091007A
Client ID: MB-46589	Batch ID: 46589	Units: µg/L	Analysis Date: 10/7/2009	SeqNo: 1129850
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Mercury	ND	0.20	0	0
			SPK value	RPD Ref Val
			4.550	%RPD RPDLimit
				Qual

Sample ID: LCS-46589	SampType: LCS	TestCode: SW7470	Prep Date: 10/6/2009	Run ID: FIMS1_091007A
Client ID: LCS-46589	Batch ID: 46589	Units: µg/L	Analysis Date: 10/7/2009	SeqNo: 1129853
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Mercury	4.516	0.20	0	0
			SPK value	RPD Ref Val
			4.550	%RPD RPDLimit
				Qual

Sample ID: LCSD-46589	SampType: LCSD	TestCode: SW7470	Prep Date: 10/6/2009	Run ID: FIMS1_091007A
Client ID: LCSD-46589	Batch ID: 46589	Units: µg/L	Analysis Date: 10/7/2009	SeqNo: 1129854
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit
Mercury	4.466	0.20	0	0
			SPK value	RPD Ref Val
			4.550	%RPD RPDLimit
				Qual

0010

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 05-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: EFF92809

Project: NOW Corp. Site

Lab ID: H1890-01

Collection Date: 09/28/09 11:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	260		10	mg/L		1 10/01/2009 8:36	46466
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	ND		10	mg/L		1 10/01/2009 8:42	46467
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L		1 10/03/2009 16:45	46495

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: 05-Oct-09

Client: AECOM Technical Services, Inc.

Client Sample ID: INF92809

Lab ID: H1890-02

Project: NOW Corp. Site

Collection Date: 09/28/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							SM2540_TDS
Total Dissolved Solids	270		10	mg/L	1	10/01/2009 8:39	46466
SM 2540D -- TOTAL SUSPENDED SOLIDS							SM2540_TSS
Total Suspended Solids	24		10	mg/L	1	10/01/2009 8:48	46467
SW846 9012 -- Total Cyanide							SW9012_W
Cyanide	ND		10	µg/L	1	10/03/2009 16:52	46495

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.

Work Order: H1890

SM2540_TDS

Project: NOW Corp. Site

SM2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: MB-46466	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 9/30/2009	Run ID: MANUAL_090930D
Client ID: MB-46466	Batch ID: 46466	Units: mg/L	Analysis Date: 10/1/2009	SeqNo: 1127113
Analyte	Result	PQL	SPK Ref Val	%REC
	ND	10	0	98.2
			SPK value	LowLimit
				HighLimit
			RPD Ref Val	%RPD
				RPDLimit
				Qual

Sample ID: LCS-46466	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 9/30/2009	Run ID: MANUAL_090930D
Client ID: LCS-46466	Batch ID: 46466	Units: mg/L	Analysis Date: 10/1/2009	SeqNo: 1127114
Analyte	Result	PQL	SPK Ref Val	%REC
	555.0	10	0	98.2
			SPK value	LowLimit
				HighLimit
			RPD Ref Val	%RPD
				RPDLimit
				Qual

Sample ID: H1890-02CDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 9/30/2009	Run ID: MANUAL_090930D
Client ID: INF92809	Batch ID: 46466	Units: mg/L	Analysis Date: 10/1/2009	SeqNo: 1127117
Analyte	Result	PQL	SPK Ref Val	%REC
	274.0	10	0	0
			SPK value	LowLimit
				HighLimit
			RPD Ref Val	%RPD
				RPDLimit
				Qual

0021

CLIENT: AECOM Technical Services, Inc.
 Work Order: H1890
 Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT
SM2540_TSS
SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: MB-46467 SampType: MBLK TestCode: SM2540_TSS Prep Date: 9/30/2009 Run ID: MANUAL_090930E
 Client ID: MB-46467 Batch ID: 46467 Units: mg/L Analysis Date: 10/1/2009 SeqNo: 1127157
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Total Suspended Solids ND 10 0 0 84.6 80 120 0 18.2

Sample ID: LCS-46467 SampType: LCS TestCode: SM2540_TSS Prep Date: 9/30/2009 Run ID: MANUAL_090930E
 Client ID: LCS-46467 Batch ID: 46467 Units: mg/L Analysis Date: 10/1/2009 SeqNo: 1127158
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Total Suspended Solids 44.00 10 52.00 0 84.6 80 120 0 24.00 18.2

Sample ID: H1890-02CDUP SampType: DUP TestCode: SM2540_TSS Prep Date: 9/30/2009 Run ID: MANUAL_090930E
 Client ID: INF92809 Batch ID: 46467 Units: mg/L Analysis Date: 10/1/2009 SeqNo: 1127161
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Total Suspended Solids 20.00 10 0 0 0 0 0 0 18.2

0022

ANALYTICAL QC SUMMARY REPORT

CLIENT: AECOM Technical Services, Inc.
Work Order: H1890
Project: NOW Corp. Site

SW9012_W
SW846 9012 -- Total Cyanide

Sample ID: MB-46495	SampType: MBLK	TestCode: SW9012_W	Prep Date: 10/1/2009	Run ID: LACHAT1_091003B	
Client ID: MB-46495	Batch ID: 46495	Units: µg/L	Analysis Date: 10/3/2009	SeqNo: 1127473	
Analyte	SPK value	PQL	%REC LowLimit	RPD Ref Val	%RPD RPDLimit
Cyanide	100.0	20	86.6	0	120

Sample ID: LCS-46495	SampType: LCS	TestCode: SW9012_W	Prep Date: 10/1/2009	Run ID: LACHAT1_091003B	
Client ID: LCS-46495	Batch ID: 46495	Units: µg/L	Analysis Date: 10/3/2009	SeqNo: 1127474	
Analyte	SPK value	PQL	%REC LowLimit	RPD Ref Val	%RPD RPDLimit
Cyanide	100.0	20	86.6	0	120

Sample ID: H1890-02EDUP	SampType: DUP	TestCode: SW9012_W	Prep Date: 10/1/2009	Run ID: LACHAT1_091003B	
Client ID: INF92809	Batch ID: 46495	Units: µg/L	Analysis Date: 10/3/2009	SeqNo: 1127483	
Analyte	SPK value	PQL	%REC LowLimit	RPD Ref Val	%RPD RPDLimit
Cyanide	100.0	10	0	0	200

Sample ID: H1890-02EMS	SampType: MS	TestCode: SW9012_W	Prep Date: 10/1/2009	Run ID: LACHAT1_091003B	
Client ID: INF92809	Batch ID: 46495	Units: µg/L	Analysis Date: 10/3/2009	SeqNo: 1127484	
Analyte	SPK value	PQL	%REC LowLimit	RPD Ref Val	%RPD RPDLimit
Cyanide	100.0	10	126	0	125

0023

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Mitkem Laboratories

29/Sep/09 11:44

WorkOrder: H1890

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 94017.02

HC Due: 10/15/09 Report Level: LEVEL 2

Fax Due: EDD:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	HS	HT	MS	SEL	Storage
H1890-01A	EFF92809	09/28/2009 11:15	09/29/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1890-01B	EFF92809	09/28/2009 11:15	09/29/2009	Aqueous	SW6010_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M1
					SW7470	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M1
H1890-01C	EFF92809	09/28/2009 11:15	09/29/2009	Aqueous	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F3
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F3
H1890-01D	EFF92809	09/28/2009 11:15	09/29/2009	Aqueous	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F3
H1890-01E	EFF92809	09/28/2009 11:15	09/29/2009	Aqueous	SW9012_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	F3
H1890-02A	INF92809	09/28/2009 11:30	09/29/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1890-02B	INF92809	09/28/2009 11:30	09/29/2009	Aqueous	SW6010_W	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M1
					SW7470	See SEL list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M1
H1890-02C	INF92809	09/28/2009 11:30	09/29/2009	Aqueous	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F3
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F3
H1890-02D	INF92809	09/28/2009 11:30	09/29/2009	Aqueous	E1664		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F3
H1890-02E	INF92809	09/28/2009 11:30	09/29/2009	Aqueous	SW9012_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	F3
H1890-03A	TW-1	09/28/2009 11:45	09/29/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1890-04A	TW-2A	09/28/2009 11:50	09/29/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA
H1890-05A	TW-3	09/28/2009 11:55	09/29/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA

HS = Sample logged in but all tests have been placed on hold
 HT = Sample/Test logged in but test has been placed on hold

0024

Client ID: EARTH_NY

Project: NOW Corp. Site

Location:

Comments: N/A

Case:

SDG:

PO: 94017.02

HC Due: 10/15/09

Fax Due:

Report Level: LEVEL 2

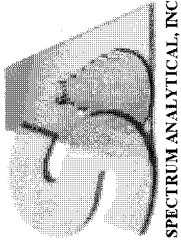
EDD:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	HS	HT	MS	SEL	Storage
H1890-06A	TRIP BLANK	09/28/2009 0:00	09/29/2009	Aqueous	SW8260_25_W	use for VOCs,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA

0025

HS = Sample logged in but all tests have been placed on hold

HT = Sample/Test logged in but test has been placed on hold



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- Standard TAT - 7 to 10 business days
- Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Steve Choiniere
AECOM Environmental
40 British American Blvd
Latham, NY 12110
 Project Mgr.: Steve Choiniere
 Telephone #: _____

Invoice To: Same
 Project No.: 94017.02
 Site Name: Nov Corp
 Location: Stuttsburg State: NY
 Sampler(s): RKV + TB

P.O. No.: _____ RQN: _____
 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
 8= NaHSO₄ 9= Mont 10= _____ 11= _____

List preservative code below:
 2 4 9 2 5
 QA/QC Reporting Notes: (check as needed)

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
 X1= _____ X2= _____ X3= _____
 G=Grab C=Composite

Containers:
 # of VOA Vials
 # of Amber Glass
 # of Clear Glass
 # of Plastic

Analyses:
 Methyls
 TDS/TSS
 O+G
 Cyanide

QA/QC Reporting Level
 Standard No QC
 Other _____

State specific reporting standards:

Lab Id.	Sample Id.	Date:	Time:	Type	Matrix
01	EFF92809	9/28/09	1115	G	GW
02	INF92809		1130		
03	TW-1		1145		
04	TW-2A		1150		
05	TW-3		1155		
06	Trip Blank				

Refiniquished by: _____
 Received by: Agustin Hernandez
 Date: 9/28/09 Time: 1420
 Date: 9/29/09 Time: 9.00

Condition upon receipt: Acced Ambient °C 6

MITKEM LABORATORIES
Sample Condition Form

Received By: <u>ARH</u>		Reviewed By: <u>SN</u>		Date: <u>9/29/09</u>		MITKEM Workorder #: <u>H1890</u>			
Client Project: <u>Now Corp</u>				Client: <u>AECOM</u>					
		Lab Sample ID		Preservation (pH)			VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"	
				HNO ₃	H ₂ SO ₄	HCl	NaOH		H ₃ PO ₄
1) Cooler Sealed	<input checked="" type="radio"/> Yes / No	<u>H1890</u>	<u>01</u>	<u><2</u>		<u><2</u>	<u>>12</u>		<u>H</u>
		↓	<u>02</u>	<u><2</u>		<u><2</u>	<u>>12</u>		↓
2) Custody Seal(s)	<input checked="" type="radio"/> Present / Absent		<u>03</u>						
	<input checked="" type="radio"/> Coolers / Bottles		<u>04</u>						
	<input checked="" type="radio"/> Intact / Broken	↓	<u>05</u>						↓
			<u>H1890</u>	<u>06</u>					<u>H</u>
3) Custody Seal Number(s)	<u>NA</u>	<div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.5;"> ARH 9/29/09 </div>							
	↓								
	↓								
	↓								
4) Chain-of-Custody	<input checked="" type="radio"/> Present / Absent								
5) Cooler Temperature	<u>6°C</u>								
Coolant Condition	<u>Ice</u>								
6) Airbill(s)	<input checked="" type="radio"/> Present / Absent								
Airbill Number(s)	<u>FedEx</u>								
	<u>869079239471</u>								
7) Sample Bottles	<input checked="" type="radio"/> Intact / Broken / Leaking								
8) Date Received	<u>9/26/09</u>								
9) Time Received	<u>9:00</u>								
Preservative Name/Lot No:									

VOA Matrix Key:

US = Unpreserved Soil	A = Air
UA = Unpreserved Aqu.	H = HCl
M = MeOH	E = Encore
N = NaHSO ₄	F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

Last Page of Data Report