AECOM

Operation, Maintenance and Monitoring Report
October 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

December 2009

December 10, 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: "October" 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 24-day period **(September 28 to October 22, 2009)**.

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 319,100 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 13,300 gallons per day (gpd). During the prior reporting period, the average discharge was 14,200 gpd.

As of the last day of the reporting period, a total of 73,339,800 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 October 22, 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. Table 3 presents the water level measurements taken on October 22, 2009.

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 September 28 service visit was described in the previous report. Details for the current period follow:

October 7 – Remote monitoring on October 4th showed elevated water levels in wells TW-1 and TW-2A. Techs increased discharge rate on TW-1 submersible pump. Determined that TW-2A submersible pump motor had failed. Replaced the pump motor with onsite spare, and restarted pump. Also replaced float switch controlling effluent sump pump in response to recent erratic cycling. After finding that on/off times remained erratic, inspected and found that pump had been overheating. Replaced with rebuilt spare onsite and took overheating pump to the shop.

October 22 - Monthly system inspection and water sampling. Took quarterly water levels.

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: October 22, 2009
NOW Corporation Site
Town of Clinton, New York

Analytes/ Parameters	Total Influent	Effluent	Recovery Wells			Effluent Limitations	(units)
			TW-1	TW-2A	TW-3		
Quantity treated, per day		13,296				Monitor	gpd
pH	6.9	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	**330**	**300**	NA	NA	NA	1000	mg/L
TSS	<10	<10	NA	NA	NA	50	mg/L
Aluminum, Total	<200	<200	NA	NA	NA	2000	ug/L
Arsenic, Total	**4.0 J**	<20	NA	NA	NA	50	ug/L
Barium, Total	**110 J**	**96 J**	NA	NA	NA	2000	ug/L
Chromium	**2.3 J**	**0.74 J**	NA	NA	NA	100	ug/L
Copper	**6.2 J**	<25	NA	NA	NA	24	ug/L
Iron	**1000**	<200	NA	NA	NA	600	ug/L
Mercury	<0.20	<0.20	NA	NA	NA	0.8	ug/L
Manganese	**1100 B**	**78 B**	NA	NA	NA	600	ug/L
Nickel	**3.3 J**	**1.9 J**	NA	NA	NA	200	ug/L
Zinc	**19 J**	**14 J**	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	**1400**	<0.50	**2.3 J**	**3000**	**19**	5	ug/L
1,1,2-Trichloroethane	<20	<0.50	<2.5	<40	<1.0	1.2	ug/L
1,1-Dichloroethane	**410**	<0.50	**72**	**810**	**27**	5	ug/L
1,1-Dichloroethene	**39**	<0.50	**23**	**81**	**3.3**	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	**17 J**	<0.50	**3.1**	**27 J**	<1.0	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	**590**	<0.50	**56**	**1200**	**10**	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 October 2009 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		10/22/09	Units
TW-1			
	Pumping Rate	3	GPM
	Water Level Above Transducer	42.58	feet
	Flow Meter Reading	5,109,700	gallons
	Pump Pressure	24	psi
TW-2A			
	Pumping Rate	14	GPM
	Water Level Above Transducer	23.13	feet
	Flow Meter Reading	12,986,100	gallons
	Pump Pressure	35	psi
TW-3			
	Pumping Rate	1	GPM
	Water Level Above Transducer	12.38	feet
	Flow Meter Reading	7,282,800	gallons
	Pump Pressure	59	psi
Air Stripper			
	Stripper Blower Pressure	18	inches H_2O
	Air Temperature in Stripper	60	°F
	Pressure Gauge - Left Leg	0.8	inches H_2O
	Pressure Gauge - Right Leg	0.3	inches H_2O
Effluent Flow			
	Effluent Flow this period (calculated)	319,100	gallons
	Total Effluent Flow (calculated)	73,339,800	gallons

Table 3
October 2009 Groundwater Levels

NOW Corporation Site
Town of Clinton, New York

Well ID	MP Elevation	10/22/09 Depth to Water (Ft below MP)	10/22/09 GW Elevation
MW-1	289.50	17.55	271.95
MW-2	332.51	34.92	297.59
MW-3	312.83	34.65	278.18
MW-3S	312.51	29.33	283.18
MW-4	298.29	26.03	272.26
MW-4D	298.16	25.90	272.26
MW-5	285.48	20.19	265.29
MW-6S	287.90	24.52	263.38
MW-6D	287.25	15.23	272.02
MW-7S	292.12	31.59	260.53
MW-7D	292.54	76.45	216.09
OW-1	307.75	58.17	249.58
OW-2	305.96	71.74	234.22
OW-6	294.81	11.08	283.73
IW-1	312.46	40.75	271.71
IW-2	306.56	43.45	263.11

Note: N/A indicates data are not available.
MP denotes measuring point.

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

November 19, 2009

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

RE: Client Project: NOW Corp. Site, 94017.02, 10/09
Lab Project #: H2113

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,

Edward A. Lawler
Laboratory Operations Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Report of Laboratory Analyses for AECOM Technical Services

Client Project: NOW Corp. 94017.02, 10/09

Mitkem Work Order ID: H2113

November 19, 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, 10/09

Lab Work Order: H2113

Date samples received: 10/23/09

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from AECOM Technical Services on October 23, 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: INF102209 (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. Manganese was detected in method blank MB-47039. Where manganese is also detected in a sample, its concentration is qualified with a "B" on data sheets. Please note that the manganese concentration in sample EFF102209 is similar to the concentration in the method blank. Matrix spike, duplicate and serial dilution analyses were performed on sample EFF102209 for ICP metals. Percent recoveries and RPDs were within the QC limits.

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: *04-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF102209
Lab ID: H2113-01

Project: NOW Corp. Site
Collection Date: 10/22/09 11:00

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	11/02/2009 16:58	47106
Chloroethane	ND		0.50	µg/L	1	11/02/2009 16:58	47106
1,1-Dichloroethene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Methyl tert-butyl ether	ND		0.50	µg/L	1	11/02/2009 16:58	47106
1,1-Dichloroethane	ND		0.50	µg/L	1	11/02/2009 16:58	47106
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
1,1,1-Trichloroethane	ND		0.50	µg/L	1	11/02/2009 16:58	47106
1,2-Dichloroethane	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Benzene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Trichloroethene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Toluene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
1,1,2-Trichloroethane	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Tetrachloroethene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Chlorobenzene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Ethylbenzene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
m,p-Xylene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
o-Xylene	ND		0.50	µg/L	1	11/02/2009 16:58	47106
Surrogate: Dibromofluoromethane	98.4		88-124	%REC	1	11/02/2009 16:58	47106
Surrogate: 1,2-Dichloroethane-d4	96.9		79-115	%REC	1	11/02/2009 16:58	47106
Surrogate: Toluene-d8	99.5		80-114	%REC	1	11/02/2009 16:58	47106
Surrogate: Bromofluorobenzene	101		60-123	%REC	1	11/02/2009 16:58	47106

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: *04-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF102209
Lab ID: H2113-02

Project: NOW Corp. Site
Collection Date: 10/22/09 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	11/02/2009 17:56	47106
Chloroethane	ND		20	µg/L	40	11/02/2009 17:56	47106
1,1-Dichloroethene	39		20	µg/L	40	11/02/2009 17:56	47106
trans-1,2-Dichloroethene	ND		20	µg/L	40	11/02/2009 17:56	47106
Methyl tert-butyl ether	ND		20	µg/L	40	11/02/2009 17:56	47106
1,1-Dichloroethane	410		20	µg/L	40	11/02/2009 17:56	47106
cis-1,2-Dichloroethene	17	J	20	µg/L	40	11/02/2009 17:56	47106
1,1,1-Trichloroethane	1400		20	µg/L	40	11/02/2009 17:56	47106
1,2-Dichloroethane	ND		20	µg/L	40	11/02/2009 17:56	47106
Benzene	ND		20	µg/L	40	11/02/2009 17:56	47106
Trichloroethene	590		20	µg/L	40	11/02/2009 17:56	47106
Toluene	ND		20	µg/L	40	11/02/2009 17:56	47106
1,1,2-Trichloroethane	ND		20	µg/L	40	11/02/2009 17:56	47106
Tetrachloroethene	ND		20	µg/L	40	11/02/2009 17:56	47106
Chlorobenzene	ND		20	µg/L	40	11/02/2009 17:56	47106
Ethylbenzene	ND		20	µg/L	40	11/02/2009 17:56	47106
m,p-Xylene	ND		20	µg/L	40	11/02/2009 17:56	47106
o-Xylene	ND		20	µg/L	40	11/02/2009 17:56	47106
Surrogate: Dibromofluoromethane	99.0		88-124	%REC	40	11/02/2009 17:56	47106
Surrogate: 1,2-Dichloroethane-d4	96.3		79-115	%REC	40	11/02/2009 17:56	47106
Surrogate: Toluene-d8	99.1		80-114	%REC	40	11/02/2009 17:56	47106
Surrogate: Bromofluorobenzene	99.6		60-123	%REC	40	11/02/2009 17:56	47106

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: *04-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: TW-1
Lab ID: H2113-03

Project: NOW Corp. Site
Collection Date: 10/22/09 11:40

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	11/02/2009 18:26	47106
Chloroethane	ND		2.5	µg/L	5	11/02/2009 18:26	47106
1,1-Dichloroethene	23		2.5	µg/L	5	11/02/2009 18:26	47106
trans-1,2-Dichloroethene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
Methyl tert-butyl ether	ND		2.5	µg/L	5	11/02/2009 18:26	47106
1,1-Dichloroethane	72		2.5	µg/L	5	11/02/2009 18:26	47106
cis-1,2-Dichloroethene	3.1		2.5	µg/L	5	11/02/2009 18:26	47106
1,1,1-Trichloroethane	2.3	J	2.5	µg/L	5	11/02/2009 18:26	47106
1,2-Dichloroethane	ND		2.5	µg/L	5	11/02/2009 18:26	47106
Benzene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
Trichloroethene	56		2.5	µg/L	5	11/02/2009 18:26	47106
Toluene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
1,1,2-Trichloroethane	ND		2.5	µg/L	5	11/02/2009 18:26	47106
Tetrachloroethene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
Chlorobenzene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
Ethylbenzene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
m,p-Xylene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
o-Xylene	ND		2.5	µg/L	5	11/02/2009 18:26	47106
Surrogate: Dibromofluoromethane	99.4		88-124	%REC	5	11/02/2009 18:26	47106
Surrogate: 1,2-Dichloroethane-d4	95.4		79-115	%REC	5	11/02/2009 18:26	47106
Surrogate: Toluene-d8	101		80-114	%REC	5	11/02/2009 18:26	47106
Surrogate: Bromofluorobenzene	97.8		60-123	%REC	5	11/02/2009 18:26	47106

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: *04-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: TW-2A
Lab ID: H2113-04
Project: NOW Corp. Site
Collection Date: 10/22/09 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	11/02/2009 18:55	47106
Chloroethane	ND		40	µg/L	80	11/02/2009 18:55	47106
1,1-Dichloroethene	81		40	µg/L	80	11/02/2009 18:55	47106
trans-1,2-Dichloroethene	ND		40	µg/L	80	11/02/2009 18:55	47106
Methyl tert-butyl ether	ND		40	µg/L	80	11/02/2009 18:55	47106
1,1-Dichloroethane	810		40	µg/L	80	11/02/2009 18:55	47106
cis-1,2-Dichloroethene	27	J	40	µg/L	80	11/02/2009 18:55	47106
1,1,1-Trichloroethane	3000		40	µg/L	80	11/02/2009 18:55	47106
1,2-Dichloroethane	ND		40	µg/L	80	11/02/2009 18:55	47106
Benzene	ND		40	µg/L	80	11/02/2009 18:55	47106
Trichloroethene	1200		40	µg/L	80	11/02/2009 18:55	47106
Toluene	ND		40	µg/L	80	11/02/2009 18:55	47106
1,1,2-Trichloroethane	ND		40	µg/L	80	11/02/2009 18:55	47106
Tetrachloroethene	ND		40	µg/L	80	11/02/2009 18:55	47106
Chlorobenzene	ND		40	µg/L	80	11/02/2009 18:55	47106
Ethylbenzene	ND		40	µg/L	80	11/02/2009 18:55	47106
m,p-Xylene	ND		40	µg/L	80	11/02/2009 18:55	47106
o-Xylene	ND		40	µg/L	80	11/02/2009 18:55	47106
Surrogate: Dibromofluoromethane	99.3		88-124	%REC	80	11/02/2009 18:55	47106
Surrogate: 1,2-Dichloroethane-d4	96.4		79-115	%REC	80	11/02/2009 18:55	47106
Surrogate: Toluene-d8	100		80-114	%REC	80	11/02/2009 18:55	47106
Surrogate: Bromofluorobenzene	98.9		60-123	%REC	80	11/02/2009 18:55	47106

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: *04-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: TW-3
Lab ID: H2113-05
Project: NOW Corp. Site
Collection Date: 10/22/09 12:00

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		1.0	µg/L	2	11/02/2009 19:24	47106
Chloroethane	ND		1.0	µg/L	2	11/02/2009 19:24	47106
1,1-Dichloroethene	3.3		1.0	µg/L	2	11/02/2009 19:24	47106
trans-1,2-Dichloroethene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
Methyl tert-butyl ether	ND		1.0	µg/L	2	11/02/2009 19:24	47106
1,1-Dichloroethane	27		1.0	µg/L	2	11/02/2009 19:24	47106
cis-1,2-Dichloroethene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
1,1,1-Trichloroethane	19		1.0	µg/L	2	11/02/2009 19:24	47106
1,2-Dichloroethane	ND		1.0	µg/L	2	11/02/2009 19:24	47106
Benzene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
Trichloroethene	10		1.0	µg/L	2	11/02/2009 19:24	47106
Toluene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
1,1,2-Trichloroethane	ND		1.0	µg/L	2	11/02/2009 19:24	47106
Tetrachloroethene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
Chlorobenzene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
Ethylbenzene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
m,p-Xylene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
o-Xylene	ND		1.0	µg/L	2	11/02/2009 19:24	47106
Surrogate: Dibromofluoromethane	99.2		88-124	%REC	2	11/02/2009 19:24	47106
Surrogate: 1,2-Dichloroethane-d4	99.2		79-115	%REC	2	11/02/2009 19:24	47106
Surrogate: Toluene-d8	100		80-114	%REC	2	11/02/2009 19:24	47106
Surrogate: Bromofluorobenzene	99.8		60-123	%REC	2	11/02/2009 19:24	47106

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: *04-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: TRIP BLANK
Lab ID: H2113-06
Project: NOW Corp. Site
Collection Date: 10/22/09 00:00

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	11/02/2009 17:27	47106
Chloroethane	ND		0.50	µg/L	1	11/02/2009 17:27	47106
1,1-Dichloroethene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Methyl tert-butyl ether	ND		0.50	µg/L	1	11/02/2009 17:27	47106
1,1-Dichloroethane	ND		0.50	µg/L	1	11/02/2009 17:27	47106
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
1,1,1-Trichloroethane	ND		0.50	µg/L	1	11/02/2009 17:27	47106
1,2-Dichloroethane	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Benzene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Trichloroethene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Toluene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
1,1,2-Trichloroethane	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Tetrachloroethene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Chlorobenzene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Ethylbenzene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
m,p-Xylene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
o-Xylene	ND		0.50	µg/L	1	11/02/2009 17:27	47106
Surrogate: Dibromofluoromethane	98.7		88-124	%REC	1	11/02/2009 17:27	47106
Surrogate: 1,2-Dichloroethane-d4	91.3		79-115	%REC	1	11/02/2009 17:27	47106
Surrogate: Toluene-d8	100		80-114	%REC	1	11/02/2009 17:27	47106
Surrogate: Bromofluorobenzene	101		60-123	%REC	1	11/02/2009 17:27	47106

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **MB-47106** SampType: **MBLK** TestCode: **SW8260_25_W** Prep Date: **11/02/2009** Run ID: **V5_091102A**
Client ID: **MB-47106** Batch ID: **47106** Units: **µg/L** Analysis Date: **11/02/2009** SeqNo: **1144948**

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	10.19	0.50	10.00	0	102	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.391	0.50	10.00	0	93.9	79	115	0			
Surrogate: Toluene-d8	10.02	0.50	10.00	0	100	80	114	0			
Surrogate: Bromofluorobenzene	9.814	0.50	10.00	0	98.1	60	123	0			

6959

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

CLIENT: AECOM Technical Services, Inc.
Work Order: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCS-47106** SampType: **LCS** TestCode: **SW8260_25_W** Prep Date: **11/02/2009** Run ID: **V5_091102A**
Client ID: **LCS-47106** Batch ID: **47106** Units: **µg/L** Analysis Date: **11/02/2009** SeqNo: **1144949**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.880	0.50	10.00	0	98.8	77	120	0			
Chloroethane	9.907	0.50	10.00	0	99.1	75	135	0			
1,1-Dichloroethene	9.177	0.50	10.00	0	91.8	81	125	0			
trans-1,2-Dichloroethene	9.677	0.50	10.00	0	96.8	60	137	0			
Methyl tert-butyl ether	9.114	0.50	10.00	0	91.1	61	134	0			
1,1-Dichloroethane	10.38	0.50	10.00	0	104	82	120	0			
cis-1,2-Dichloroethene	10.14	0.50	10.00	0	101	84	116	0			
1,1,1-Trichloroethane	10.55	0.50	10.00	0	106	80	124	0			
1,2-Dichloroethane	9.672	0.50	10.00	0	96.7	86	117	0			
Benzene	10.21	0.50	10.00	0	102	81	121	0			
Trichloroethene	10.05	0.50	10.00	0	101	74	123	0			
Toluene	10.44	0.50	10.00	0	104	88	117	0			
1,1,2-Trichloroethane	9.429	0.50	10.00	0	94.3	83	121	0			
Tetrachloroethene	10.60	0.50	10.00	0	106	74	115	0			
Chlorobenzene	10.34	0.50	10.00	0	103	83	112	0			
Ethylbenzene	10.49	0.50	10.00	0	105	87	110	0			
m,p-Xylene	21.07	0.50	20.00	0	105	87	114	0			
o-Xylene	10.43	0.50	10.00	0	104	84	114	0			
Surrogate: Dibromofluoromethane	10.09	0.50	10.00	0	101	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.694	0.50	10.00	0	96.9	79	115	0			
Surrogate: Toluene-d8	10.17	0.50	10.00	0	102	80	114	0			
Surrogate: Bromofluorobenzene	9.571	0.50	10.00	0	95.7	60	123	0			

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

mLIMS-001

CLIENT: AECOM Technical Services, Inc.
Work Order: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW8260_25_W

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

Sample ID: **LCSD-47106** SampType: **LCSD** TestCode: **SW8260_25_W** Prep Date: **11/02/2009** Run ID: **V5_091102A**
Client ID: **LCSD-47106** Batch ID: **47106** Units: **µg/L** Analysis Date: **11/02/2009** SeqNo: **1144950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	9.380	0.50	10.00	0	93.8	77	120	9.880	5.19	40	
Chloroethane	9.271	0.50	10.00	0	92.7	75	135	9.907	6.63	40	
1,1-Dichloroethene	9.352	0.50	10.00	0	93.5	81	125	9.177	1.89	40	
trans-1,2-Dichloroethene	9.536	0.50	10.00	0	95.4	60	137	9.677	1.47	40	
Methyl tert-butyl ether	8.787	0.50	10.00	0	87.9	61	134	9.114	3.65	40	
1,1-Dichloroethane	9.995	0.50	10.00	0	100	82	120	10.38	3.77	40	
cis-1,2-Dichloroethene	9.937	0.50	10.00	0	99.4	84	116	10.14	2.01	40	
1,1,1-Trichloroethane	10.28	0.50	10.00	0	103	80	124	10.55	2.61	40	
1,2-Dichloroethane	9.452	0.50	10.00	0	94.5	86	117	9.672	2.3	40	
Benzene	9.999	0.50	10.00	0	100	81	121	10.21	2.14	40	
Trichloroethene	10.24	0.50	10.00	0	102	74	123	10.05	1.8	40	
Toluene	10.41	0.50	10.00	0	104	88	117	10.44	0.335	40	
1,1,2-Trichloroethane	9.264	0.50	10.00	0	92.6	83	121	9.429	1.77	40	
Tetrachloroethene	10.57	0.50	10.00	0	106	74	115	10.60	0.303	40	
Chlorobenzene	9.826	0.50	10.00	0	98.3	83	112	10.34	5.14	40	
Ethylbenzene	10.33	0.50	10.00	0	103	87	110	10.49	1.47	40	
m,p-Xylene	21.01	0.50	20.00	0	105	87	114	21.07	0.264	40	
o-Xylene	10.10	0.50	10.00	0	101	84	114	10.43	3.19	40	
Surrogate: Dibromofluoromethane	10.05	0.50	10.00	0	100	88	124	0			
Surrogate: 1,2-Dichloroethane-d4	9.559	0.50	10.00	0	95.6	79	115	0			
Surrogate: Toluene-d8	10.05	0.50	10.00	0	101	80	114	0			
Surrogate: Bromofluorobenzene	9.743	0.50	10.00	0	97.4	60	123	0			

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: *10-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF102209
Lab ID: H2113-01

Project: NOW Corp. Site
Collection Date: 10/22/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SW846 6010 -- Metals by ICP							**SW6010_W**
Aluminum	ND		200	µg/L	1	10/29/2009 13:10	47039
Arsenic	ND		20	µg/L	1	10/29/2009 13:10	47039
Barium	96	J	200	µg/L	1	10/29/2009 13:10	47039
Chromium	0.74	J	20	µg/L	1	10/29/2009 13:10	47039
Copper	ND		25	µg/L	1	10/29/2009 13:10	47039
Iron	ND		200	µg/L	1	10/29/2009 13:10	47039
Manganese	78	B	50	µg/L	1	10/29/2009 13:10	47039
Nickel	1.9	J	50	µg/L	1	10/29/2009 13:10	47039
Zinc	14	J	50	µg/L	1	10/29/2009 13:10	47039
SW846 7470 -- Mercury by FIA							**SW7470**
Mercury	ND		0.20	µg/L	1	10/29/2009 8:03	47033

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: *10-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF102209
Lab ID: H2113-02
Project: NOW Corp. Site
Collection Date: 10/22/09 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	10/29/2009 13:25	47039
Arsenic	4.0	J	20	µg/L	1	10/29/2009 13:25	47039
Barium	110	J	200	µg/L	1	10/29/2009 13:25	47039
Chromium	2.3	J	20	µg/L	1	10/29/2009 13:25	47039
Copper	6.2	J	25	µg/L	1	10/29/2009 13:25	47039
Iron	1000		200	µg/L	1	10/29/2009 13:25	47039
Manganese	1100	B	50	µg/L	1	10/29/2009 13:25	47039
Nickel	3.3	J	50	µg/L	1	10/29/2009 13:25	47039
Zinc	19	J	50	µg/L	1	10/29/2009 13:25	47039
SW846 7470 -- Mercury by FIA							**SW7470**
Mercury	ND		0.20	µg/L	1	10/29/2009 8:04	47033

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW6010_W

SW846 6010 -- Metals by ICP

Sample ID: **MB-47039** SampType: **MBLK** TestCode: **SW6010_W** Prep Date: **10/28/2009** Run ID: **OPTIMA3_091029C**
Client ID: **MB-47039** Batch ID: **47039** Units: **µg/L** Analysis Date: **10/29/2009** SeqNo: **1143079**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200									
Arsenic	ND	20									
Barium	ND	200									
Chromium	ND	20									
Copper	ND	30									
Iron	ND	200									
Manganese	13.68	50									J
Nickel	ND	50									
Zinc	ND	50									

Sample ID: **LCS-47039** SampType: **LCS** TestCode: **SW6010_W** Prep Date: **10/28/2009** Run ID: **OPTIMA3_091029C**
Client ID: **LCS-47039** Batch ID: **47039** Units: **µg/L** Analysis Date: **10/29/2009** SeqNo: **1143081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8601	200	9100	0	94.5	80	120	0			
Arsenic	455.1	20	455.0	0	100	80	120	0			
Barium	8754	200	9100	0	96.2	80	120	0			
Chromium	876.0	20	910.0	0	96.3	80	120	0			
Copper	1046	30	1130	0	92.6	80	120	0			
Iron	4558	200	4550	0	100	80	120	0			
Manganese	2360	50	2270	0	104	80	120	0			B
Nickel	2257	50	2270	0	99.4	80	120	0			
Zinc	2340	50	2270	0	103	80	120	0			

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

CLIENT: AECOM Technical Services, Inc.
Work Order: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW6010_W

SW846 6010 -- Metals by ICP

Sample ID: **H2113-01BDUP** SampType: **DUP** TestCode: **SW6010_W** Prep Date: **10/28/2009** Run ID: **OPTIMA3_091029C**
Client ID: **EFF102209** Batch ID: **47039** Units: **µg/L** Analysis Date: **10/29/2009** SeqNo: **1143086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	200	0	0	0	0	0	0	0	20	
Arsenic	3.735	20	0	0	0	0	0	0	200	20	J
Barium	96.75	200	0	0	0	0	0	95.66	1.13	20	J
Chromium	0.5308	20	0	0	0	0	0	0.7391	32.8	20	J
Copper	ND	25	0	0	0	0	0	0	0	20	
Iron	ND	200	0	0	0	0	0	0	0	20	
Manganese	83.49	50	0	0	0	0	0	78.33	6.38	20	B
Nickel	1.566	50	0	0	0	0	0	1.935	21.1	20	J
Zinc	12.91	50	0	0	0	0	0	13.64	5.52	20	J

Sample ID: **H2113-01BMS** SampType: **MS** TestCode: **SW6010_W** Prep Date: **10/28/2009** Run ID: **OPTIMA3_091029C**
Client ID: **EFF102209** Batch ID: **47039** Units: **µg/L** Analysis Date: **10/29/2009** SeqNo: **1143087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	8964	200	9100	0	98.5	80	120	0			
Arsenic	466.0	20	455.5	0	102	80	120	0			
Barium	8938	200	9100	95.66	97.2	80	120	0			
Chromium	893.2	20	910.0	0.7391	98.1	80	120	0			
Copper	1069	25	1130	0	94.6	80	120	0			
Iron	4686	200	4550	0	103	80	120	0			
Manganese	2496	50	2270	78.33	106	80	120	0			B
Nickel	2258	50	2270	1.935	99.4	80	120	0			
Zinc	2348	50	2270	13.64	103	80	120	0			

Sample ID: **H2113-01BSD** SampType: **SD** TestCode: **SW6010_W** Prep Date: **10/28/2009** Run ID: **OPTIMA3_091029C**
Client ID: **EFF102209** Batch ID: **47039** Units: **µg/L** Analysis Date: **10/29/2009** SeqNo: **1143088**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	1000	0	0	0	0	0	0	0	10	
Arsenic	ND	100	0	0	0	0	0	0	0	10	
Barium	104.8	1000	0	0	0	0	0	95.66	9.1	10	J
Chromium	ND	100	0	0	0	0	0	0.7391	0	10	
Copper	ND	130	0	0	0	0	0	0	0	10	
Iron	ND	1000	0	0	0	0	0	0	0	10	
Manganese	84.59	250	0	0	0	0	0	78.33	7.69	10	BJ
Nickel	3.677	250	0	0	0	0	0	1.935	62.1	10	J
Zinc	ND	250	0	0	0	0	0	13.64	0	10	

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

CLIENT: AECOM Technical Services, Inc.
Work Order: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW7470

SW846 7470 -- Mercury by FIA

Sample ID: **MB-47033**	SampType: **MBLK**	TestCode: **SW7470**			Prep Date: **10/28/2009**			Run ID: **FIMS1_091029A**			
Client ID: **MB-47033**	Batch ID: **47033**	Units: **µg/L**			Analysis Date: **10/29/2009**			SeqNo: **1142295**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Sample ID: **LCS-47033**	SampType: **LCS**	TestCode: **SW7470**			Prep Date: **10/28/2009**			Run ID: **FIMS1_091029A**			
Client ID: **LCS-47033**	Batch ID: **47033**	Units: **µg/L**			Analysis Date: **10/29/2009**			SeqNo: **1142296**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.638	0.20	4.550	0	102	80	120	0			

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: *28-Oct-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF102209
Lab ID: H2113-01

Project: NOW Corp. Site
Collection Date: 10/22/09 11:00

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	10/28/2009 0:00	46990

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: *28-Oct-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF102209
Lab ID: H2113-02

Project: NOW Corp. Site
Collection Date: 10/22/09 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	10/28/2009 0:00	46990

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

E1664

EPA 1664 -- Oil & Grease, HEM

Sample ID: **MB-46990**	SampType: **MBLK**	TestCode: **E1664**			Prep Date: **10/27/2009**			Run ID: **MANUAL_091028A**			
Client ID: **MB-46990**	Batch ID: **46990**	Units: **mg/L**			Analysis Date: **10/28/2009**			SeqNo: **1141242**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	ND	5.0									

Sample ID: **LCS-46990**	SampType: **LCS**	TestCode: **E1664**			Prep Date: **10/27/2009**			Run ID: **MANUAL_091028A**			
Client ID: **LCS-46990**	Batch ID: **46990**	Units: **mg/L**			Analysis Date: **10/28/2009**			SeqNo: **1141240**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	37.20	5.0	40.00	0	93.0	78	114	0			

Sample ID: **LCSD-46990**	SampType: **LCSD**	TestCode: **E1664**			Prep Date: **10/27/2009**			Run ID: **MANUAL_091028A**			
Client ID: **LCSD-46990**	Batch ID: **46990**	Units: **mg/L**			Analysis Date: **10/28/2009**			SeqNo: **1141241**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Oil & Grease, Total Recoverable	38.50	5.0	40.00	0	96.3	78	114	37.20	3.43	18	

Mitkem Laboratories

Date: *06-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: EFF102209
Lab ID: H2113-01

Project: NOW Corp. Site
Collection Date: 10/22/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	300		10	mg/L	1	10/29/2009 9:06	47026
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	10/26/2009 16:52	46977
SW846 9012 -- Total Cyanide							**SW9012_W**
Cyanide	ND		10	µg/L	1	11/04/2009 13:31	47136

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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-Nov-09*

Client: AECOM Technical Services, Inc.
Client Sample ID: INF102209
Lab ID: H2113-02

Project: NOW Corp. Site
Collection Date: 10/22/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	330		10	mg/L	1	10/29/2009 9:18	47026
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	10/26/2009 16:56	46977
SW846 9012 -- Total Cyanide							**SW9012_W**
Cyanide	ND		10	µg/L	1	11/04/2009 13:33	47136

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation 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: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: **MB-47026** SampType: **MBLK** TestCode: **SM2540_TDS** Prep Date: **10/28/2009** Run ID: **MANUAL_091028B**
Client ID: **MB-47026** Batch ID: **47026** Units: **mg/L** Analysis Date: **10/29/2009** SeqNo: **1142739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	10									

Sample ID: **LCS-47026** SampType: **LCS** TestCode: **SM2540_TDS** Prep Date: **10/28/2009** Run ID: **MANUAL_091028B**
Client ID: **LCS-47026** Batch ID: **47026** Units: **mg/L** Analysis Date: **10/29/2009** SeqNo: **1142740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	585.0	10	565.0	0	104	80	120	0			

Sample ID: **LCSD-47026** SampType: **LCSD** TestCode: **SM2540_TDS** Prep Date: **10/28/2009** Run ID: **MANUAL_091028B**
Client ID: **LCSD-47026** Batch ID: **47026** Units: **mg/L** Analysis Date: **10/29/2009** SeqNo: **1142741**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	643.0	10	565.0	0	114	80	120	585.0	9.45	20	

CLIENT: AECOM Technical Services, Inc.
Work Order: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540_TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: **MB-46977**	SampType: **MBLK**	TestCode: **SM2540_TSS**			Prep Date: **10/26/2009**			Run ID: **MANUAL_091026A**			
Client ID: **MB-46977**	Batch ID: **46977**	Units: **mg/L**			Analysis Date: **10/26/2009**			SeqNo: **1141314**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids		ND	10									

Sample ID: **LCS-46977**	SampType: **LCS**	TestCode: **SM2540_TSS**			Prep Date: **10/26/2009**			Run ID: **MANUAL_091026A**			
Client ID: **LCS-46977**	Batch ID: **46977**	Units: **mg/L**			Analysis Date: **10/26/2009**			SeqNo: **1141315**			
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			

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

CLIENT: AECOM Technical Services, Inc.
Work Order: H2113
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW9012_W
SW846 9012 -- Total Cyanide

Sample ID: **MB-47136**	SampType: **MBLK**	TestCode: **SW9012_W**			Prep Date: **11/3/2009**			Run ID: **LACHAT1_091105A**			
Client ID: **MB-47136**	Batch ID: **47136**	Units: **µg/L**			Analysis Date: **11/4/2009**			SeqNo: **1146532**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	20									

Sample ID: **LCS-47136**	SampType: **LCS**	TestCode: **SW9012_W**			Prep Date: **11/3/2009**			Run ID: **LACHAT1_091105A**			
Client ID: **LCS-47136**	Batch ID: **47136**	Units: **µg/L**			Analysis Date: **11/4/2009**			SeqNo: **1146533**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	96.56	20	100.0	0	96.6	80	120	0			

S021-1

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

WorkOrder: H2113

10/23/2009 12:01

Mitkem Laboratories

Client ID: EARTH_NY
Project: NOW Corp. Site
Location: NOW_CORP,
Comments: N/A

Case:
SDG:
PO: 94017.02

HC Due: 11/10/09 **Report Level:** LEVEL 2
Fax Due: **EDD:**

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
H2113-01A	EFF102209	10/22/2009 11:00	10/23/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2113-01B	EFF102209	10/22/2009 11:00	10/23/2009	Aqueous	SW6010_W	/ See SEL list				Y	J2
H2113-01B	EFF102209	10/22/2009 11:00	10/23/2009	Aqueous	SW7470	/ See SEL list					J2
H2113-01C	EFF102209	10/22/2009 11:00	10/23/2009	Aqueous	SM2540_TDS	/					J2
H2113-01C	EFF102209	10/22/2009 11:00	10/23/2009	Aqueous	SM2540_TSS	/					J2
H2113-01D	EFF102209	10/22/2009 11:00	10/23/2009	Aqueous	E1664	/					J2
H2113-01E	EFF102209	10/22/2009 11:00	10/23/2009	Aqueous	SW9012_W	/				Y	J2
H2113-02A	INF102209	10/22/2009 11:30	10/23/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2113-02B	INF102209	10/22/2009 11:30	10/23/2009	Aqueous	SW6010_W	/ See SEL list				Y	J2
H2113-02B	INF102209	10/22/2009 11:30	10/23/2009	Aqueous	SW7470	/ See SEL list					J2
H2113-02C	INF102209	10/22/2009 11:30	10/23/2009	Aqueous	SM2540_TDS	/					J2
H2113-02C	INF102209	10/22/2009 11:30	10/23/2009	Aqueous	SM2540_TSS	/					J2
H2113-02D	INF102209	10/22/2009 11:30	10/23/2009	Aqueous	E1664	/					J2
H2113-02E	INF102209	10/22/2009 11:30	10/23/2009	Aqueous	SW9012_W	/				Y	J2
H2113-03A	TW-1	10/22/2009 11:40	10/23/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2113-04A	TW-2A	10/22/2009 11:50	10/23/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2113-05A	TW-3	10/22/2009 12:00	10/23/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA
H2113-06A	TRIP BLANK	10/22/2009 00:00	10/23/2009	Aqueous	SW8260_25_W	/ use for VOCs,				Y	VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Edward A Lawler

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 Chainiere
AECOM Environmental
40 British American Blvd.
Latham, NY 12110
Project Mgr.: Steve Chainiere
Telephone #: 518-951-2200

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 94017.02
Site Name: Now Corp
Location: Stattsburg State: NY
Sampler(s): RKV + SRG

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= NONE 10= _____ 11= _____

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List preservative code below: 2	4	9	2	5				Analyses: 8260	Metals*	TDS/TSS	O+G	Cyanide			
H2113-01	EFF 102209	10/22/09	1100	G	GW	2	2		3									X	X	X	X	X			
02	INF102209		1130				2		3									X	X	X	X	X			
03	TW-1		1140															X							
04	TW-2A		1150															X							
05	TW-3	↓	1200	↓	↓													X							
06	Trip Blank	—	—	—	—	↓												X							

QA/QC Reporting Notes:
(check as needed)

- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards:

* AL, AS, BA, CR, CU, FE, MN, HG, ZN, N

EDD Format _____
☐ E-mail to _____

Condition upon receipt: ☑ Iced ☐ Ambient ☑ °C 4

Relinquished by:	Received by:	Date:	Time:
	—	10/22/09	1500
—	Agun R Hunting	10/23/09	9:50

0029

MITKEM LABORATORIES
Sample Condition Form

Received By: AED | Reviewed By: [signature] | Date: 10/23/ | MITKEM Workorder #: H2113

Client Project: NOL CORP | Client: EARTH TECH

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 4°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FEDEX
8690 7923 9460

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 10/23/09

9) Time Received 9:00

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	H_3PO_4	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
H2113	01	<2		<2	<2		H	
	02	<2		<2	<2			
	03							
	04							
	05							
H2113	06						H	

AED 10/23/09

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