EARTH TECH | AECOM

Operation, Maintenance and Monitoring Report
April 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

EARTH TECH | AECOM

June 8, 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: "April" 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 28-day period **(March 23, 2009 to April 20, 2009)**.

With the exceptions noted below, if any, the P&T system was online and operational throughout the reporting period. Approximately 798,000 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 28,500 gallons per day (gpd). During the prior reporting period, the average discharge was 27,100 gpd.

As of the last day of the reporting period, a total of 69,754,000 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 April 20, 2009. **There was one exceedance. Total cyanide was 12 ug/L. The effluent limitation for cyanide is 10 ug/L.** A copy of the analytical laboratory's report is attached to this letter report. Table 2 summarizes selected operational data recorded on the sampling date.

AECOM made one site visit during the period to conduct the required system inspection, perform scheduled and/or unscheduled maintenance, and to collect water samples. The March 23 service visit was described in the previous report. Details for the current period follow:

April 20 - Monthly system inspection and water sampling. Measured water level at two wells that could not be accessed last visit (MW-7S & MW-6S).

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: April 20, 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		28,514				Monitor	gpd
pH	7.5	7.4	NA	NA	NA	6.5 to 8.5	standard units
Oil and Grease	<5.0	<5.0	NA	NA	NA	15	mg/L
Total Cyanide	**22**	**12**	NA	NA	NA	10	ug/L
TDS	**250**	**260**	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	<20	<20	NA	NA	NA	50	ug/L
Barium, Total	**68 J**	**68 J**	NA	NA	NA	2000	ug/L
Chromium	<20	<20	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	**120 B**	**80 B**	NA	NA	NA	600	ug/L
Nickel	<50	<50	NA	NA	NA	200	ug/L
Zinc	**15 J**	**16 J**	NA	NA	NA	150	ug/L
1,1,1-Trichloroethane	**270**	<0.50	**3.3**	**480**	**2.2**	5	ug/L
1,1,2-Trichloroethane	<13	<0.50	<2.0	<20	<0.50	1.2	ug/L
1,1-Dichloroethane	**97**	<0.50	**67**	**160**	**9.2**	5	ug/L
1,1-Dichloroethene	**8.7 J**	<0.50	**16**	**15 J**	**1.2**	0.5	ug/L
1,2-Dichloroethane	<13	<0.50	<2.0	<20	<0.50	1.6	ug/L
Benzene	<13	<0.50	<2.0	<20	<0.50	0.8	ug/L
Chlorobenzene	<13	<0.50	<2.0	<20	<0.50	5	ug/L
Chloroethane	<13	<0.50	<2.0	<20	<0.50	5	ug/L
cis-1,2-Dichloroethene	**10 J**	<0.50	**3.6**	**16 J**	<0.50	5	ug/L
Ethylbenzene	<13	<0.50	<2.0	<20	<0.50	5	ug/L
Methyl tert-butyl ether	<13	<0.50	<2.0	<20	<0.50	5	ug/L
o-Xylene	<13	<0.50	<2.0	<20	<0.50	5	ug/L
p&m-Xylene	<13	<0.50	<2.0	<20	<0.50	10	ug/L
Tetrachloroethene	<13	<0.50	<2.0	<20	<0.50	1.4	ug/L
Toluene	<13	<0.50	<2.0	<20	<0.50	5	ug/L
trans-1,2-Dichloroethene	<13	<0.50	<2.0	<20	<0.50	5	ug/L
Trichloroethene	**240**	<0.50	**63**	**400**	**11**	5	ug/L
Vinyl Chloride	<13	<0.50	<2.0	<20	<0.50	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 April 2009 O&M Data

NOW Corporation Site
Town of Clinton, New York

Instrumentation/Readings:		4/20/09	Units
TW-1			
	Pumping Rate	1	GPM
	Water Level Above Transducer	36.12	feet
	Flow Meter Reading	4,828,000	gallons
	Pump Pressure	78	psi
TW-2A			
	Pumping Rate	14	GPM
	Water Level Above Transducer	29.89	feet
	Flow Meter Reading	10,358,000	gallons
	Pump Pressure	45	psi
TW-3			
	Pumping Rate	3	GPM
	Water Level Above Transducer	31.58	feet
	Flow Meter Reading	6,606,500	gallons
	Pump Pressure	65	psi
Air Stripper			
	Stripper Blower Pressure	17.5	inches H_2O
	Air Temperature in Stripper	44	°F
	Pressure Gauge - Left Leg	1.2	inches H_2O
	Pressure Gauge - Right Leg	0.7	inches H_2O
Effluent Flow			
	Effluent Flow this period (calculated)	798,400	gallons
	Total Effluent Flow (calculated)	69,753,700	gallons

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

April 30, 2009

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

RE: Client Project: NOW Corp. Site, 94017.02, 04/09
Lab Project #: H0666

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 Earth Tech - AECOM

Client Project: NOW Corp. 94017.02, 04/09

Mitkem Work Order ID: H0666

April 30, 2009

Prepared For:

Earth Tech - AECOM
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: Earth Tech - AECOM

Client Project: NOW Corp, 94017.02, 04/09

Lab Work Order: H0666

Date samples received: 04/21/09

Project Narrative

This data report includes the analysis results for six (6) aqueous samples that were received from Earth Tech AECOM on April 21, 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.

Volatiles analyses were performed by the EPA low level CLP method OLC3.2 volatiles instead of 8260_25 analyses due to an instrument availability issue. Surrogate recoveries were within the QC limits for volatile organic analyses with the exception of low recoveries of 1,1-dichloroethene-d2 in samples EFF42009 and INF42009. Percent recoveries in laboratory control samples were within the QC limits. The following samples were analyzed at dilution: INF42009 at 25X, TW-1 at 4X, and TW-2A at 40X.

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. Matrix spike analyses were performed for cyanide on sample EFF42009. Duplicate analyses were performed for total dissolved solids, total suspended solids, and cyanide analysis on sample EFF42009. Percent recoveries and relative percent differences were within the QC limits. Manganese was detected below the reporting limit but above the method detection limit in method blank MB-43231. Manganese was also detected in the associated field samples, but at significantly greater concentrations than the blank, indicating no positive bias from laboratory contamination. Please note that manganese results are qualified with the "B", although the laboratory contribution is minimal.

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: *28-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: EFF42009
Lab ID: H0666-01

Project: NOW Corp. Site
Collection Date: 04/20/09 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS							**OLC3.2_VOA**
Vinyl chloride	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Chloroethane	ND		0.50	µg/L	1	04/24/2009 15:43	43176
1,1-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Methyl tert-butyl ether	ND		0.50	µg/L	1	04/24/2009 15:43	43176
1,1-Dichloroethane	ND		0.50	µg/L	1	04/24/2009 15:43	43176
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
1,1,1-Trichloroethane	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Benzene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
1,2-Dichloroethane	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Trichloroethene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Toluene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
1,1,2-Trichloroethane	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Tetrachloroethene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Chlorobenzene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Ethylbenzene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
m,p-Xylene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
o-Xylene	ND		0.50	µg/L	1	04/24/2009 15:43	43176
Surrogate: Vinyl chloride-d3	88.7		49-138	%REC	1	04/24/2009 15:43	43176
Surrogate: Chloroethane-d5	93.8		60-126	%REC	1	04/24/2009 15:43	43176
Surrogate: 1,1-Dichloroethene-d2	63.5	S	65-130	%REC	1	04/24/2009 15:43	43176
Surrogate: 2-Butanone-d5	112		42-171	%REC	1	04/24/2009 15:43	43176
Surrogate: Chloroform-d	93.0		80-123	%REC	1	04/24/2009 15:43	43176
Surrogate: 1,2-Dichloroethane-d4	98.3		78-129	%REC	1	04/24/2009 15:43	43176
Surrogate: Benzene-d6	91.9		78-121	%REC	1	04/24/2009 15:43	43176
Surrogate: 1,2-Dichloropropane-d6	89.0		84-123	%REC	1	04/24/2009 15:43	43176
Surrogate: Toluene-d8	89.0		77-120	%REC	1	04/24/2009 15:43	43176
Surrogate: trans-1,3-Dichloropropene-d4	97.0		80-128	%REC	1	04/24/2009 15:43	43176
Surrogate: 2-Hexanone-d5	92.6		37-169	%REC	1	04/24/2009 15:43	43176
Surrogate: Bromoform-d	90.0		76-135	%REC	1	04/24/2009 15:43	43176
Surrogate: 1,1,2,2-Tetrachloroethane-d2	93.6		75-131	%REC	1	04/24/2009 15:43	43176
Surrogate: 1,2-Dichlorobenzene-d4	103		50-150	%REC	1	04/24/2009 15:43	43176

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-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: INF42009
Lab ID: H0666-02
Project: NOW Corp. Site
Collection Date: 04/20/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS							**OLC3.2_VOA**
Vinyl chloride	ND		13	µg/L	25	04/24/2009 13:39	43176
Chloroethane	ND		13	µg/L	25	04/24/2009 13:39	43176
1,1-Dichloroethene	8.7	J	13	µg/L	25	04/24/2009 13:39	43176
trans-1,2-Dichloroethene	ND		13	µg/L	25	04/24/2009 13:39	43176
Methyl tert-butyl ether	ND		13	µg/L	25	04/24/2009 13:39	43176
1,1-Dichloroethane	97		13	µg/L	25	04/24/2009 13:39	43176
cis-1,2-Dichloroethene	10	J	13	µg/L	25	04/24/2009 13:39	43176
1,1,1-Trichloroethane	270		13	µg/L	25	04/24/2009 13:39	43176
Benzene	ND		13	µg/L	25	04/24/2009 13:39	43176
1,2-Dichloroethane	ND		13	µg/L	25	04/24/2009 13:39	43176
Trichloroethene	240		13	µg/L	25	04/24/2009 13:39	43176
Toluene	ND		13	µg/L	25	04/24/2009 13:39	43176
1,1,2-Trichloroethane	ND		13	µg/L	25	04/24/2009 13:39	43176
Tetrachloroethene	ND		13	µg/L	25	04/24/2009 13:39	43176
Chlorobenzene	ND		13	µg/L	25	04/24/2009 13:39	43176
Ethylbenzene	ND		13	µg/L	25	04/24/2009 13:39	43176
m,p-Xylene	ND		13	µg/L	25	04/24/2009 13:39	43176
o-Xylene	ND		13	µg/L	25	04/24/2009 13:39	43176
Surrogate: Vinyl chloride-d3	89.9		49-138	%REC	25	04/24/2009 13:39	43176
Surrogate: Chloroethane-d5	91.5		60-126	%REC	25	04/24/2009 13:39	43176
Surrogate: 1,1-Dichloroethene-d2	60.3	S	65-130	%REC	25	04/24/2009 13:39	43176
Surrogate: 2-Butanone-d5	112		42-171	%REC	25	04/24/2009 13:39	43176
Surrogate: Chloroform-d	91.4		80-123	%REC	25	04/24/2009 13:39	43176
Surrogate: 1,2-Dichloroethane-d4	94.5		78-129	%REC	25	04/24/2009 13:39	43176
Surrogate: Benzene-d6	93.4		78-121	%REC	25	04/24/2009 13:39	43176
Surrogate: 1,2-Dichloropropane-d6	89.9		84-123	%REC	25	04/24/2009 13:39	43176
Surrogate: Toluene-d8	87.4		77-120	%REC	25	04/24/2009 13:39	43176
Surrogate: trans-1,3-Dichloropropene-d4	94.4		80-128	%REC	25	04/24/2009 13:39	43176
Surrogate: 2-Hexanone-d5	88.8		37-169	%REC	25	04/24/2009 13:39	43176
Surrogate: Bromoform-d	87.0		76-135	%REC	25	04/24/2009 13:39	43176
Surrogate: 1,1,2,2-Tetrachloroethane-d2	94.1		75-131	%REC	25	04/24/2009 13:39	43176
Surrogate: 1,2-Dichlorobenzene-d4	101		50-150	%REC	25	04/24/2009 13:39	43176

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-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: TW-1
Lab ID: H0666-03
Project: NOW Corp. Site
Collection Date: 04/20/09 11:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS							**OLC3.2_VOA**
Vinyl chloride	ND		2.0	µg/L	4	04/24/2009 14:10	43176
Chloroethane	ND		2.0	µg/L	4	04/24/2009 14:10	43176
1,1-Dichloroethene	16		2.0	µg/L	4	04/24/2009 14:10	43176
trans-1,2-Dichloroethene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
Methyl tert-butyl ether	ND		2.0	µg/L	4	04/24/2009 14:10	43176
1,1-Dichloroethane	67		2.0	µg/L	4	04/24/2009 14:10	43176
cis-1,2-Dichloroethene	3.6		2.0	µg/L	4	04/24/2009 14:10	43176
1,1,1-Trichloroethane	3.3		2.0	µg/L	4	04/24/2009 14:10	43176
Benzene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
1,2-Dichloroethane	ND		2.0	µg/L	4	04/24/2009 14:10	43176
Trichloroethene	63		2.0	µg/L	4	04/24/2009 14:10	43176
Toluene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
1,1,2-Trichloroethane	ND		2.0	µg/L	4	04/24/2009 14:10	43176
Tetrachloroethene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
Chlorobenzene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
Ethylbenzene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
m,p-Xylene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
o-Xylene	ND		2.0	µg/L	4	04/24/2009 14:10	43176
Surrogate: Vinyl chloride-d3	89.4		49-138	%REC	4	04/24/2009 14:10	43176
Surrogate: Chloroethane-d5	94.0		60-126	%REC	4	04/24/2009 14:10	43176
Surrogate: 1,1-Dichloroethene-d2	83.0		65-130	%REC	4	04/24/2009 14:10	43176
Surrogate: 2-Butanone-d5	114		42-171	%REC	4	04/24/2009 14:10	43176
Surrogate: Chloroform-d	91.5		80-123	%REC	4	04/24/2009 14:10	43176
Surrogate: 1,2-Dichloroethane-d4	94.2		78-129	%REC	4	04/24/2009 14:10	43176
Surrogate: Benzene-d6	91.7		78-121	%REC	4	04/24/2009 14:10	43176
Surrogate: 1,2-Dichloropropane-d6	90.7		84-123	%REC	4	04/24/2009 14:10	43176
Surrogate: Toluene-d8	88.7		77-120	%REC	4	04/24/2009 14:10	43176
Surrogate: trans-1,3-Dichloropropene-d4	94.1		80-128	%REC	4	04/24/2009 14:10	43176
Surrogate: 2-Hexanone-d5	99.9		37-169	%REC	4	04/24/2009 14:10	43176
Surrogate: Bromoform-d	90.0		76-135	%REC	4	04/24/2009 14:10	43176
Surrogate: 1,1,2,2-Tetrachloroethane-d2	95.5		75-131	%REC	4	04/24/2009 14:10	43176
Surrogate: 1,2-Dichlorobenzene-d4	101		50-150	%REC	4	04/24/2009 14:10	43176

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-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: TW-2A
Lab ID: H0666-04

Project: NOW Corp. Site
Collection Date: 04/20/09 11:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS							**OLC3.2_VOA**
Vinyl chloride	ND		20	µg/L	40	04/24/2009 14:41	43176
Chloroethane	ND		20	µg/L	40	04/24/2009 14:41	43176
1,1-Dichloroethene	15	J	20	µg/L	40	04/24/2009 14:41	43176
trans-1,2-Dichloroethene	ND		20	µg/L	40	04/24/2009 14:41	43176
Methyl tert-butyl ether	ND		20	µg/L	40	04/24/2009 14:41	43176
1,1-Dichloroethane	160		20	µg/L	40	04/24/2009 14:41	43176
cis-1,2-Dichloroethene	16	J	20	µg/L	40	04/24/2009 14:41	43176
1,1,1-Trichloroethane	480		20	µg/L	40	04/24/2009 14:41	43176
Benzene	ND		20	µg/L	40	04/24/2009 14:41	43176
1,2-Dichloroethane	ND		20	µg/L	40	04/24/2009 14:41	43176
Trichloroethene	400		20	µg/L	40	04/24/2009 14:41	43176
Toluene	ND		20	µg/L	40	04/24/2009 14:41	43176
1,1,2-Trichloroethane	ND		20	µg/L	40	04/24/2009 14:41	43176
Tetrachloroethene	ND		20	µg/L	40	04/24/2009 14:41	43176
Chlorobenzene	ND		20	µg/L	40	04/24/2009 14:41	43176
Ethylbenzene	ND		20	µg/L	40	04/24/2009 14:41	43176
m,p-Xylene	ND		20	µg/L	40	04/24/2009 14:41	43176
o-Xylene	ND		20	µg/L	40	04/24/2009 14:41	43176
Surrogate: Vinyl chloride-d3	92.9		49-138	%REC	40	04/24/2009 14:41	43176
Surrogate: Chloroethane-d5	97.1		60-126	%REC	40	04/24/2009 14:41	43176
Surrogate: 1,1-Dichloroethene-d2	67.8		65-130	%REC	40	04/24/2009 14:41	43176
Surrogate: 2-Butanone-d5	103		42-171	%REC	40	04/24/2009 14:41	43176
Surrogate: Chloroform-d	91.7		80-123	%REC	40	04/24/2009 14:41	43176
Surrogate: 1,2-Dichloroethane-d4	95.2		78-129	%REC	40	04/24/2009 14:41	43176
Surrogate: Benzene-d6	93.2		78-121	%REC	40	04/24/2009 14:41	43176
Surrogate: 1,2-Dichloropropane-d6	91.0		84-123	%REC	40	04/24/2009 14:41	43176
Surrogate: Toluene-d8	89.3		77-120	%REC	40	04/24/2009 14:41	43176
Surrogate: trans-1,3-Dichloropropene-d4	93.3		80-128	%REC	40	04/24/2009 14:41	43176
Surrogate: 2-Hexanone-d5	91.0		37-169	%REC	40	04/24/2009 14:41	43176
Surrogate: Bromoform-d	88.2		76-135	%REC	40	04/24/2009 14:41	43176
Surrogate: 1,1,2,2-Tetrachloroethane-d2	95.8		75-131	%REC	40	04/24/2009 14:41	43176
Surrogate: 1,2-Dichlorobenzene-d4	101		50-150	%REC	40	04/24/2009 14:41	43176

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-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: TW-3
Lab ID: H0666-05
Project: NOW Corp. Site
Collection Date: 04/20/09 11:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS							**OLC3.2_VOA**
Vinyl chloride	ND		0.50	µg/L	1	04/24/2009 15:12	43176
Chloroethane	ND		0.50	µg/L	1	04/24/2009 15:12	43176
1,1-Dichloroethene	1.2		0.50	µg/L	1	04/24/2009 15:12	43176
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
Methyl tert-butyl ether	ND		0.50	µg/L	1	04/24/2009 15:12	43176
1,1-Dichloroethane	9.2		0.50	µg/L	1	04/24/2009 15:12	43176
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
1,1,1-Trichloroethane	2.2		0.50	µg/L	1	04/24/2009 15:12	43176
Benzene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
1,2-Dichloroethane	ND		0.50	µg/L	1	04/24/2009 15:12	43176
Trichloroethene	11		0.50	µg/L	1	04/24/2009 15:12	43176
Toluene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
1,1,2-Trichloroethane	ND		0.50	µg/L	1	04/24/2009 15:12	43176
Tetrachloroethene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
Chlorobenzene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
Ethylbenzene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
m,p-Xylene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
o-Xylene	ND		0.50	µg/L	1	04/24/2009 15:12	43176
Surrogate: Vinyl chloride-d3	87.7		49-138	%REC	1	04/24/2009 15:12	43176
Surrogate: Chloroethane-d5	97.0		60-126	%REC	1	04/24/2009 15:12	43176
Surrogate: 1,1-Dichloroethene-d2	66.4		65-130	%REC	1	04/24/2009 15:12	43176
Surrogate: 2-Butanone-d5	109		42-171	%REC	1	04/24/2009 15:12	43176
Surrogate: Chloroform-d	90.2		80-123	%REC	1	04/24/2009 15:12	43176
Surrogate: 1,2-Dichloroethane-d4	96.0		78-129	%REC	1	04/24/2009 15:12	43176
Surrogate: Benzene-d6	92.9		78-121	%REC	1	04/24/2009 15:12	43176
Surrogate: 1,2-Dichloropropane-d6	89.8		84-123	%REC	1	04/24/2009 15:12	43176
Surrogate: Toluene-d8	87.4		77-120	%REC	1	04/24/2009 15:12	43176
Surrogate: trans-1,3-Dichloropropene-d4	96.1		80-128	%REC	1	04/24/2009 15:12	43176
Surrogate: 2-Hexanone-d5	90.2		37-169	%REC	1	04/24/2009 15:12	43176
Surrogate: Bromoform-d	90.0		76-135	%REC	1	04/24/2009 15:12	43176
Surrogate: 1,1,2,2-Tetrachloroethane-d2	95.6		75-131	%REC	1	04/24/2009 15:12	43176
Surrogate: 1,2-Dichlorobenzene-d4	96.8		50-150	%REC	1	04/24/2009 15:12	43176

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-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: TRIP BLANK
Lab ID: H0666-06
Project: NOW Corp. Site
Collection Date: 04/20/09 00:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS							**OLC3.2_VOA**
Vinyl chloride	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Chloroethane	ND		0.50	µg/L	1	04/24/2009 16:46	43176
1,1-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Methyl tert-butyl ether	ND		0.50	µg/L	1	04/24/2009 16:46	43176
1,1-Dichloroethane	ND		0.50	µg/L	1	04/24/2009 16:46	43176
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
1,1,1-Trichloroethane	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Benzene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
1,2-Dichloroethane	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Trichloroethene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Toluene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
1,1,2-Trichloroethane	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Tetrachloroethene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Chlorobenzene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Ethylbenzene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
m,p-Xylene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
o-Xylene	ND		0.50	µg/L	1	04/24/2009 16:46	43176
Surrogate: Vinyl chloride-d3	102		49-138	%REC	1	04/24/2009 16:46	43176
Surrogate: Chloroethane-d5	107		60-126	%REC	1	04/24/2009 16:46	43176
Surrogate: 1,1-Dichloroethene-d2	75.7		65-130	%REC	1	04/24/2009 16:46	43176
Surrogate: 2-Butanone-d5	115		42-171	%REC	1	04/24/2009 16:46	43176
Surrogate: Chloroform-d	108		80-123	%REC	1	04/24/2009 16:46	43176
Surrogate: 1,2-Dichloroethane-d4	111		78-129	%REC	1	04/24/2009 16:46	43176
Surrogate: Benzene-d6	112		78-121	%REC	1	04/24/2009 16:46	43176
Surrogate: 1,2-Dichloropropane-d6	108		84-123	%REC	1	04/24/2009 16:46	43176
Surrogate: Toluene-d8	104		77-120	%REC	1	04/24/2009 16:46	43176
Surrogate: trans-1,3-Dichloropropene-d4	118		80-128	%REC	1	04/24/2009 16:46	43176
Surrogate: 2-Hexanone-d5	88.8		37-169	%REC	1	04/24/2009 16:46	43176
Surrogate: Bromoform-d	110		76-135	%REC	1	04/24/2009 16:46	43176
Surrogate: 1,1,2,2-Tetrachloroethane-d2	109		75-131	%REC	1	04/24/2009 16:46	43176
Surrogate: 1,2-Dichlorobenzene-d4	123		50-150	%REC	1	04/24/2009 16:46	43176

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: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

OLC3.2_VOA

EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS

Sample ID: **MB-43176** SampType: **MBLK** TestCode: **OLC3.2_VOA** Prep Date: **04/24/2009** Run ID: **V5_090424A**
Client ID: **MB-43176** Batch ID: **43176** Units: **µg/L** Analysis Date: **04/24/2009** SeqNo: **1021213**

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									
Benzene	ND	0.50									
1,2-Dichloroethane	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									
Surrogate: Vinyl chloride-d3	5.086	0.50	5.000	0	102	49	138	0			
Surrogate: Chloroethane-d5	4.958	0.50	5.000	0	99.2	60	126	0			
Surrogate: 1,1-Dichloroethene-d2	3.454	0.50	5.000	0	69.1	65	130	0			
Surrogate: 2-Butanone-d5	4.224	5.0	5.000	0	84.5	42	171	0			
Surrogate: Chloroform-d	4.631	0.50	5.000	0	92.6	80	123	0			
Surrogate: 1,2-Dichloroethane-d4	4.583	0.50	5.000	0	91.7	78	129	0			
Surrogate: Benzene-d6	4.923	0.50	5.000	0	98.5	78	121	0			
Surrogate: 1,2-Dichloropropane-d6	4.667	0.50	5.000	0	93.3	84	123	0			
Surrogate: Toluene-d8	4.734	0.50	5.000	0	94.7	77	120	0			
Surrogate: trans-1,3-Dichloropropene-d4	4.786	0.50	5.000	0	95.7	80	128	0			
Surrogate: 2-Hexanone-d5	3.619	5.0	5.000	0	72.4	37	169	0			
Surrogate: Bromoform-d	4.935	0.50	5.000	0	98.7	76	135	0			
Surrogate: 1,1,2,2-Tetrachloroethane-d2	4.434	0.50	5.000	0	88.7	75	131	0			
Surrogate: 1,2-Dichlorobenzene-d4	5.368	0.50	5.000	0	107	50	150	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: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

OLC3.2_VOA

EPA CLP OLC 3 VOC -- OLC 3.2 VOA by GC-MS

Sample ID: **LCS-43176** SampType: **LCS** TestCode: **OLC3.2_VOA** Prep Date: **04/24/2009** Run ID: **V5_090424A**
Client ID: **LCS-43176** Batch ID: **43176** Units: **µg/L** Analysis Date: **04/24/2009** SeqNo: **1021237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	3.855	0.50	5.000	0	77.1	61	145	0			
Benzene	4.855	0.50	5.000	0	97.1	76	127	0			
Trichloroethene	4.813	0.50	5.000	0	96.3	71	120	0			
Toluene	5.033	0.50	5.000	0	101	76	125	0			
Chlorobenzene	5.649	0.50	5.000	0	113	75	130	0			
Surrogate: Vinyl chloride-d3	4.767	0.50	5.000	0	95.3	49	138	0			
Surrogate: Chloroethane-d5	4.741	0.50	5.000	0	94.8	60	126	0			
Surrogate: 1,1-Dichloroethene-d2	4.083	0.50	5.000	0	81.7	65	130	0			
Surrogate: 2-Butanone-d5	5.321	5.0	5.000	0	106	42	171	0			
Surrogate: Chloroform-d	4.717	0.50	5.000	0	94.3	80	123	0			
Surrogate: 1,2-Dichloroethane-d4	4.647	0.50	5.000	0	92.9	78	129	0			
Surrogate: Benzene-d6	4.764	0.50	5.000	0	95.3	78	121	0			
Surrogate: 1,2-Dichloropropane-d6	4.606	0.50	5.000	0	92.1	84	123	0			
Surrogate: Toluene-d8	4.560	0.50	5.000	0	91.2	77	120	0			
Surrogate: trans-1,3-Dichloropropene-d4	4.822	0.50	5.000	0	96.4	80	128	0			
Surrogate: 2-Hexanone-d5	4.483	5.0	5.000	0	89.7	37	169	0			
Surrogate: Bromoform-d	4.282	0.50	5.000	0	85.6	76	135	0			
Surrogate: 1,1,2,2-Tetrachloroethane-d2	4.730	0.50	5.000	0	94.6	75	131	0			
Surrogate: 1,2-Dichlorobenzene-d4	4.790	0.50	5.000	0	95.8	50	150	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: *27-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: EFF42009
Lab ID: H0666-01

Project: NOW Corp. Site
Collection Date: 04/20/09 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	04/24/2009 0:00	43123

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: *27-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: INF42009
Lab ID: H0666-02

Project: NOW Corp. Site
Collection Date: 04/20/09 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	04/24/2009 0:00	43123

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: Camp Dresser & McKee Inc.
Work Order: H0672
Project: CLF Leachate - Phase II/III, IV, V

ANALYTICAL QC SUMMARY REPORT

E1664

EPA 1664 -- Oil & Grease, HEM

Sample ID: **MB-43123**	SampType: **MBLK**	TestCode: **E1664**			Prep Date: **4/22/2009**			Run ID: **MANUAL_090424B**				
Client ID: **MB-43123**	Batch ID: **43123**	Units: **mg/L**			Analysis Date: **4/24/2009**			SeqNo: **1021291**				
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-43123**	SampType: **LCS**	TestCode: **E1664**			Prep Date: **4/22/2009**			Run ID: **MANUAL_090424B**				
Client ID: **LCS-43123**	Batch ID: **43123**	Units: **mg/L**			Analysis Date: **4/24/2009**			SeqNo: **1021289**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Oil & Grease, Total Recoverable	32.90	5.0	40.00	0	82.3	78	114	0				

Sample ID: **LCSD-43123**	SampType: **LCSD**	TestCode: **E1664**			Prep Date: **4/22/2009**			Run ID: **MANUAL_090424B**				
Client ID: **LCSD-43123**	Batch ID: **43123**	Units: **mg/L**			Analysis Date: **4/24/2009**			SeqNo: **1021290**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Oil & Grease, Total Recoverable	34.20	5.0	40.00	0	85.5	78	114	32.90	3.87	18		

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: *30-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: EFF42009
Lab ID: H0666-01
Project: NOW Corp. Site
Collection Date: 04/20/09 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	04/28/2009 9:13	43231
Arsenic	ND		20	µg/L	1	04/28/2009 9:13	43231
Barium	68	J	200	µg/L	1	04/28/2009 9:13	43231
Chromium	ND		20	µg/L	1	04/28/2009 9:13	43231
Copper	ND		25	µg/L	1	04/28/2009 9:13	43231
Iron	ND		200	µg/L	1	04/28/2009 9:13	43231
Manganese	80	B	50	µg/L	1	04/28/2009 9:13	43231
Nickel	ND		50	µg/L	1	04/28/2009 9:13	43231
Zinc	16	J	50	µg/L	1	04/28/2009 9:13	43231
SW846 7470 -- Mercury by FIA							**SW7470**
Mercury	ND		0.20	µg/L	1	04/29/2009 8:26	43269

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: *30-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: INF42009
Lab ID: H0666-02
Project: NOW Corp. Site
Collection Date: 04/20/09 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	04/28/2009 9:16	43231
Arsenic	ND		20	µg/L	1	04/28/2009 9:16	43231
Barium	68	J	200	µg/L	1	04/28/2009 9:16	43231
Chromium	ND		20	µg/L	1	04/28/2009 9:16	43231
Copper	ND		25	µg/L	1	04/28/2009 9:16	43231
Iron	ND		200	µg/L	1	04/28/2009 9:16	43231
Manganese	120	B	50	µg/L	1	04/28/2009 9:16	43231
Nickel	ND		50	µg/L	1	04/28/2009 9:16	43231
Zinc	15	J	50	µg/L	1	04/28/2009 9:16	43231
SW846 7470 -- Mercury by FIA							**SW7470**
Mercury	ND		0.20	µg/L	1	04/29/2009 8:27	43269

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: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW6010_W

SW846 6010 -- Metals by ICP

Sample ID: **LCSD-43231** SampType: **LCSD** TestCode: **SW6010_W** Prep Date: **4/27/2009** Run ID: **OPTIMA2_090428A**
Client ID: **LCSD-43231** Batch ID: **43231** Units: **µg/L** Analysis Date: **4/28/2009** SeqNo: **1021937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9454	200	9100	0	104	80	120	9490	0.38	20	
Arsenic	489.8	20	455.0	0	108	80	120	488.3	0.302	20	
Barium	9518	200	9100	0	105	80	120	9511	0.0724	20	
Chromium	964.0	20	910.0	0	106	80	120	968.3	0.439	20	
Copper	1189	30	1130	0	105	80	120	1197	0.744	20	
Iron	4957	200	4550	0	109	80	120	4960	0.0645	20	
Manganese	2451	50	2270	0	108	80	120	2449	0.0797	20	B
Nickel	2404	50	2270	0	106	80	120	2409	0.212	20	
Zinc	2413	50	2270	0	106	80	120	2418	0.214	20	

SGS

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: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW6010_W

SW846 6010 -- Metals by ICP

Sample ID: **MB-43231**	SampType: **MBLK**	TestCode: **SW6010_W**	Prep Date: **4/27/2009**	Run ID: **OPTIMA2_090428A**
Client ID: **MB-43231**	Batch ID: **43231**	Units: **µg/L**	Analysis Date: **4/28/2009**	SeqNo: **1021935**

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	5.250	50									J
Nickel	ND	50									
Zinc	ND	50									

Sample ID: **LCS-43231**	SampType: **LCS**	TestCode: **SW6010_W**	Prep Date: **4/27/2009**	Run ID: **OPTIMA2_090428A**
Client ID: **LCS-43231**	Batch ID: **43231**	Units: **µg/L**	Analysis Date: **4/28/2009**	SeqNo: **1021936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	9490	200	9100	0	104	80	120	0			
Arsenic	488.3	20	455.0	0	107	80	120	0			
Barium	9511	200	9100	0	105	80	120	0			
Chromium	968.3	20	910.0	0	106	80	120	0			
Copper	1197	30	1130	0	106	80	120	0			
Iron	4960	200	4550	0	109	80	120	0			
Manganese	2449	50	2270	0	108	80	120	0			B
Nickel	2409	50	2270	0	106	80	120	0			
Zinc	2418	50	2270	0	107	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: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW7470

SW846 7470 -- Mercury by FIA

Sample ID: MB-43269	SampType: MBLK	TestCode: SW7470			Prep Date: 4/28/2009			Run ID: FIMS1_090429A			
Client ID: MB-43269	Batch ID: 43269	Units: µg/L			Analysis Date: 4/29/2009			SeqNo: 1022723			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.20									

Sample ID: LCS-43269	SampType: LCS	TestCode: SW7470			Prep Date: 4/28/2009			Run ID: FIMS1_090429A			
Client ID: LCS-43269	Batch ID: 43269	Units: µg/L			Analysis Date: 4/29/2009			SeqNo: 1022724			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.154	0.20	4.550	0	91.3	80	120	0			

Sample ID: LCSD-43269	SampType: LCSD	TestCode: SW7470			Prep Date: 4/28/2009			Run ID: FIMS1_090429A			
Client ID: LCSD-43269	Batch ID: 43269	Units: µg/L			Analysis Date: 4/29/2009			SeqNo: 1022725			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.156	0.20	4.550	0	91.3	80	120	4.154	0.0689	20	

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: *29-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: EFF42009
Lab ID: H0666-01

Project: NOW Corp. Site
Collection Date: 04/20/09 11:00

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	04/23/2009 16:32	43161
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	04/23/2009 16:32	43162
SW846 9012 -- Total Cyanide							**SW9012_W**
Cyanide	12		10	µg/L	1	04/27/2009 13:00	43193

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: *29-Apr-09*

Client: Earth Tech – AECOM
Client Sample ID: INF42009
Lab ID: H0666-02

Project: NOW Corp. Site
Collection Date: 04/20/09 11:30

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	250		10	mg/L	1	04/23/2009 16:34	43161
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	04/23/2009 16:34	43162
SW846 9012 -- Total Cyanide							**SW9012_W**
Cyanide	22		10	µg/L	1	04/27/2009 13:08	43193

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: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: **MB-43161**	SampType: **MBLK**	TestCode: **SM2540_TDS**	Prep Date: **4/23/2009**	Run ID: **MANUAL_090423A**
Client ID: **MB-43161**	Batch ID: **43161**	Units: **mg/L**	Analysis Date: **4/23/2009**	SeqNo: **1020866**

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-43161**	SampType: **LCS**	TestCode: **SM2540_TDS**	Prep Date: **4/23/2009**	Run ID: **MANUAL_090423A**
Client ID: **LCS-43161**	Batch ID: **43161**	Units: **mg/L**	Analysis Date: **4/23/2009**	SeqNo: **1020867**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	544.0	10	557.0	0	97.7	80	120	0			

Sample ID: **H0666-01CDUP**	SampType: **DUP**	TestCode: **SM2540_TDS**	Prep Date: **4/23/2009**	Run ID: **MANUAL_090423A**
Client ID: **EFF42009**	Batch ID: **43161**	Units: **mg/L**	Analysis Date: **4/23/2009**	SeqNo: **1020869**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	252.0	10	0	0	0	0	0	262.0	3.89	20	

CLIENT: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SM2540_TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: **MB-43162**	SampType: **MBLK**	TestCode: **SM2540_TSS**			Prep Date: **4/23/2009**			Run ID: **MANUAL_090423B**			
Client ID: **MB-43162**	Batch ID: **43162**	Units: **mg/L**			Analysis Date: **4/23/2009**			SeqNo: **1020872**			
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-43162**	SampType: **LCS**	TestCode: **SM2540_TSS**			Prep Date: **4/23/2009**			Run ID: **MANUAL_090423B**			
Client ID: **LCS-43162**	Batch ID: **43162**	Units: **mg/L**			Analysis Date: **4/23/2009**			SeqNo: **1020873**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	42.00	10	39.40	0	107	80	120	0			

Sample ID: **H0666-01CDUP**	SampType: **DUP**	TestCode: **SM2540_TSS**			Prep Date: **4/23/2009**			Run ID: **MANUAL_090423B**			
Client ID: **EFF42009**	Batch ID: **43162**	Units: **mg/L**			Analysis Date: **4/23/2009**			SeqNo: **1020875**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	10	0	0	0	0	0	0	0	20	

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: Earth Tech – AECOM
Work Order: H0666
Project: NOW Corp. Site

ANALYTICAL QC SUMMARY REPORT

SW9012_W

SW846 9012 -- Total Cyanide

Sample ID: **MB-43193** SampType: **MBLK** TestCode: **SW9012_W** Prep Date: **4/24/2009** Run ID: **LACHAT1_090427B**
Client ID: **MB-43193** Batch ID: **43193** Units: **µg/L** Analysis Date: **4/27/2009** SeqNo: **1021659**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	20									

Sample ID: **LCS-43193** SampType: **LCS** TestCode: **SW9012_W** Prep Date: **4/24/2009** Run ID: **LACHAT1_090427B**
Client ID: **LCS-43193** Batch ID: **43193** Units: **µg/L** Analysis Date: **4/27/2009** SeqNo: **1021661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	103.9	20	100.0	0	104	80	120	0			

Sample ID: **H0666-01DDUP** SampType: **DUP** TestCode: **SW9012_W** Prep Date: **4/24/2009** Run ID: **LACHAT1_090427B**
Client ID: **EFF42009** Batch ID: **43193** Units: **µg/L** Analysis Date: **4/27/2009** SeqNo: **1021629**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	11.75	10	0	0	0	0	0	11.61	1.23	20	

Sample ID: **H0666-01DMS** SampType: **MS** TestCode: **SW9012_W** Prep Date: **4/24/2009** Run ID: **LACHAT1_090427B**
Client ID: **EFF42009** Batch ID: **43193** Units: **µg/L** Analysis Date: **4/27/2009** SeqNo: **1021630**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	116.9	10	100.0	11.61	105	75	125	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

23/Apr/09 7:42

WorkOrder: H0666

Client ID: EARTH_NY **Case:** **HC Due:** 05/07/09 **Report Level:** LEVEL 2
Project: NOW Corp. Site **SDG:** **Fax Due:** **EDD:**
Location: **PO:** 94017.02
Comments: Use OLC for VOC this month, as 8260 instrument not available, OK per client.

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
H0666-01A	EFF42009	04/20/2009 11:00	04/21/2009	Aqueous	OLC3.2_VOA		☐	☐	☑	VOA
H0666-01B	EFF42009	04/20/2009 11:00	04/21/2009	Aqueous	SW6010_W	See SEL list	☐	☐	☑	M1
					SW7470	See SEL list	☐	☐	☐	M1
H0666-01C	EFF42009	04/20/2009 11:00	04/21/2009	Aqueous	SM2540_TDS		☐	☐	☐	D2
					SM2540_TSS		☐	☐	☐	D2
H0666-01D	EFF42009	04/20/2009 11:00	04/21/2009	Aqueous	SW9012_W		☐	☐	☑	D2
H0666-01E	EFF42009	04/20/2009 11:00	04/21/2009	Aqueous	E1664		☐	☐	☐	D2
H0666-02A	INF42009	04/20/2009 11:30	04/21/2009	Aqueous	OLC3.2_VOA		☐	☐	☑	VOA
H0666-02B	INF42009	04/20/2009 11:30	04/21/2009	Aqueous	SW6010_W	See SEL list	☐	☐	☑	M1
					SW7470	See SEL list	☐	☐	☐	M1
H0666-02C	INF42009	04/20/2009 11:30	04/21/2009	Aqueous	SM2540_TDS		☐	☐	☐	D2
					SM2540_TSS		☐	☐	☐	D2
H0666-02D	INF42009	04/20/2009 11:30	04/21/2009	Aqueous	SW9012_W		☐	☐	☑	D2

Client Rep: Edward A Lawler

Client ID: EARTH_NY **Case:** **HC Due:** 05/07/09 **Report Level:** LEVEL 2
Project: NOW Corp. Site **SDG:** **Fax Due:** **EDD:**
Location: **PO:** 94017.02
Comments: Use OLC for VOC this month, as 8260 instrument not available, OK per client.

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
H0666-02E	INF42009	04/20/2009 11:30	04/21/2009	Aqueous	E1664		☐	☐	☐	D2
H0666-03A	TW-1	04/20/2009 11:45	04/21/2009	Aqueous	OLC3.2_VOA		☐	☐	☑	VOA
H0666-04A	TW-2A	04/20/2009 11:50	04/21/2009	Aqueous	OLC3.2_VOA		☐	☐	☑	VOA
H0666-05A	TW-3	04/20/2009 11:55	04/21/2009	Aqueous	OLC3.2_VOA		☐	☐	☑	VOA
H0666-06A	TRIP BLANK	04/20/2009 0:00	04/21/2009	Aqueous	OLC3.2_VOA		☐	☐	☑	VOA

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: AECOM Environmental
40 British American Blvd.
Latham, NY 12110

Project Mgr.: Steve Choiniere
Telephone #: 518-951-2200

Invoice To: Same

P.O. No.: _____ RQN: _____

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

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=_____ 10=_____ 11=_____

List preservative code below:

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

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: 8260	Metals *	TDS / TSS	O+G	Cyanide
01	Eff 42009	4/20/09	11:00	G	GW	2	2		3	X	X	X	X	X
02	INF 42009		11:30				2		3	X	X	X	X	X
03	TW-1		11:45							X				
04	TW-2A		11:50							X				
05	TW-3		11:55							X				
06	Trip Blank	—	—	—	—					X				

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

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

State specific reporting standards: _____

EDD Format _____
☐ E-mail to _____

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

	Relinquished by:	Received by:	Date:	Time:
	Roger Gray		4-20-09	1:30
		Cigwik Hunter	4/21/09	8:45

MITKEM LABORATORIES
Sample Condition Form

Received By: ARH | Reviewed By: TEG | Date: 4/21/09 | MITKEM Workorder #:

Client Project: NOW Corp | Client: Earth Tech / AECOM

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
8659990217 40

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 4/21/09

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"
H0666	01	<2			12		H	
	02	<2			12			
	03							
	04							
	05							
H0666	06						H	

ARH 4/21/09

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