

BUFFALO CORPORATE CENTER 368 Pleasant View Drive Lancaster, New York 14086 Tel: (716) 684-8060, Fax: (716) 684-0844

October 7, 2011

Mr. William Welling, Project Manager New York State Department of Environmental Conservation Division of Environmental Remediation 625 Broadway, 12th Floor Albany, New York 12233 - 7013

Re: Mr. C's Dry Cleaners Site, Contract # D004442.DC13, Site # 9-15-157 September 2011 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the September 2011 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 9-15-157, located in East Aurora, New York. Copies of weekly inspection reports prepared by EEEPC's subcontractor, Iyer Environmental Group, PLLC (IEG) are provided in <u>Attachment A</u>. Selected pages from the individual analytical data package prepared by Mitkem Laboratories, Inc. (MLI) are provided as <u>Attachments B</u>. The full analytical report along with QA/QC information will be retained by EEEPC. Remedial treatment system utility costs for the Mr. C's and Agway sites are provided as <u>Attachment C</u>.

In review of the on-site treatment system operations, monitoring and maintenance for September 2011, EEEPC offers the following comments and highlights:

# **Operational Summary**

# Mr. C's Site - Remedial Operations Information

- Checklists for weekly system inspections from IEG are provided as <u>Attachment A</u> for 9/5, 9/12, 9/20, 9/26, and 10/3 2011.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 100.00% operational up-time (<u>Table 1</u>) and the treatment of contaminated groundwater totaling of 196,557 gallons (<u>Table 2</u>) for September 2011.
- Lower groundwater flows this month were attributed to level transducer problems in pumping wells PW-4 and PW-5 and pump issues in RW-1. Corrective actions are in process and to be completed in October 2011.
- The analytical samples for the monthly compliance were taken on September 7, 2011. The sampling results were received by EEEPC on September 28, 2011.
- Excerpts from the Analytical Data packages for the sampling events are presented in <u>Attachments B</u>.

# Mr. William Welling, Project Manager October 7, 2011 Page 2 of 2

- A review of the analytical data from September 28, 2011 indicated no non-compliance issues were encountered.
- The analytical results revealed the influent concentration to be 1845.0  $\mu$ g/L or 1845 ppb, and 0.0  $\mu$ g/L or 0 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the September 28, 2011 sampling event is presented in Table 4.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting / operating period 9/5/11 to 10/3/11 was 100.0%. The air stripper unit on the Mr. C's property is in compliance and MLI continues to provide analytical data to sub-ppb accuracy, supporting the accurate determination of effluent contaminant levels. The summary of Effluent Discharge Criteria & Analytical Compliance Results for September 2011 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.03 lbs. of targeted contaminants from the groundwater below the site in the month of September 2011. The calculations and data for the month are presented in <u>Table 5</u>.

# **Agway Site Remedial Information**

No current operational issues.

# Subslab Depressurization Systems (SSDS) – First Presbyterian Church and 27 Whaley Ave. sites

- No current operational issues.
- Reports of analytical results and system operations reports both sites were issued September 12, and 13, 2011.

## Mr. C's and Agway Energy Usage Information

A copy of the site utility costs from the Mr. C's and Agway remedial operations for September 2011 are provided as <u>Attachment C.</u>

If you have questions regarding the September 2011 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

Very Truly Yours,

Ecology and Environment Engineering, P. C.

Michael G. Steffan Project Manager

cc: D. Szymanski, Region 9, NYSDEC - Buffalo w/ attachments

D. Iyer, IEG – w/attachments CTF- 002700.DC13.02.01.01

# Table 1 Mr. C's Dry Cleaners Site Remediation Site #9-15-157 System Operational Time

Month	Reporting Hours	Operational Up-
(Up-time from inception to 1/5/11)	70,656.50	96.11%
January 5, 2011 - February 1, 2011	648	100.00%
February 1, 2011 - March 7, 2011	840	100.00%
March 7, 2011 - March 29, 2011	528	100.00%
March 29, 2011 - May 3, 2011	775	92.26%
May 3, 2011 - May 31, 2011	672	100.00%
May 31, 2011 - July 5, 2011	840	100.00%
July 5, 2011 - July 25, 2011	480	100.00%
July 25, 2011 - September 5, 2011	1008	100.00%
September 5, 2011 - October 3, 2011	672	100.00%
Total Hours from System Startup '2/02'	77,119.50	

Average Operational Up-time from startup = \$\frac{96.35\%}{0.00\%}\$

Average Operational Up-time for 2011 = \$\frac{99.00\%}{0.00\%}\$

- 1. Up-time based as percentage of total reporting hours.
- 2. Treatment system operated by the Tyree Organization Ltd. from 9/02 9/03.
- 3. Treatment system operated by O&M Enterprises Inc. from 10/03 7/07.
- 4. Treatment system operated by Iyer Environmental Group from 7/07 to present.

# Table 1 Mr. C's Dry Cleaners Site Remediation Site #9-15-157 **System Operational Time**

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	·	
- Andrew		
Total Hours from System Startup '2/02'	77 119 50	

Average Operational Up-time from startup = Average Operational Up-time for 2011 =

- 1. Up-time based as percentage of total reporting hours.
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Table 2
Mr. C's Dry Cleaners Site Remediation
Site #9-15-157
Monthly Process Water Volumes

Month Month	at Actual Period	Gallons (Treated Effluent)
Total - Inception to December 2010	9/5/02 - 1/5/11	114,331,011
January 2011 <sup>3</sup>	1/5/11 - 2/1/11	369,337
February 2011 <sup>3</sup>	2/1/11 - 3/7/11	472,292
March 2011 <sup>3</sup>	3/7/11 - 3/29/11	345,421
April 2011 <sup>3</sup>	3/29/11 - 5/3/11	515,800
May 2011 <sup>3</sup>	5/3/11 - 5/31/11	437,681
June 2011 <sup>3</sup>	5/31/11 - 7/5/11	538,190
July 2011 <sup>3</sup>	7/5/11 - 7/25/11	227,334
August 2011 <sup>3</sup>	7/25/11 - 9/5/11	371,276
September 2011 <sup>3</sup>	9/5/11 - 10/3/11	196,557
October 2011 <sup>3</sup>		
November 2011 <sup>3</sup>		
December 2011 <sup>3</sup>		
Total (	Gallons Treated in 2011	3,473,888
Total Gallo	ns Treated To Date:	117,804,899

- 1. System operated by Tyree Organization Ltd. From 9/02 9/03.
- 2. System operated by O&M Enterprises from 10/03 7/07.
- 3. System operated by IEG PLLC from 7/07 present.

# Table 3

# Mr. C's Dry Cleaners Site Remediation Site #9-15-157

# Effluent Discharge Criteria & Analytical Compliance Results

STEAR DOWNSTRUST TO STANDARD STEAR CANADAS INC. THE TAXABLE INCUSING	元·斯特斯·斯特斯·斯特斯·斯特斯·斯特斯·斯特斯·斯特斯·斯特斯·斯特斯·斯特	新疆 GAV 李利林 经补偿 经产品 经 的 资格 的 建苯基	[28] [28] [28] [28] [28] [28] [28] [28]
Parameter/Analyte's	Daily Maximum		September 7, 2011 Effluent Analytical Values E Compliance
Flow	N/A	gpd	7,020
Н	6.0 - 9.0	standard units	8.30
1,1 Dichloroethene	10	μg/L	ND(<1.0)
1,1 Dichloroethane	10	μ <b>g/</b> L	ND(<1.0)
cis-1,2-dichloroethene	10	μ <b>g</b> /L	ND(<1.0)
Trichloroethene	10	μg/L	ND(<1.0)
Tetrachloroethene	10	μg/L	ND(<1.0)
Vinyl Chloride	10	μg/L	ND(<1.0)
Benzene	5	μg/L	ND(<1.0)
Ethylbenzene	5	μ <b>g/</b> L	ND(<1.0)
Methylene Chloride	10	μg/L	ND(<1.0)
1,1,1 Trichloroethane	10	μg/L	ND(<1.0)
Toluene	5	μg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<1.0)
o-Xylene <sup>2</sup>	. 5	μg/L	NA
m, p-Xylene <sup>2</sup>	10	μg/L	NA NA
Total Xylenes	. NA	ug/L	ND(<1.0)
fron, total	600F 1115	LEAST PIEZOS AND A	The same NAS of the second
Aluminum	4,000	Property Charles	NAS
Copper 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	48 1 1 48 1	in the Leave to the contract of the contract o	はなます。12世紀が以る。 本語は、 は、 は、 は、 は、 は、 は、 は、 は、 は、
Lead		ing/ing/ing/ing/ing/ing/ing/ing/ing/ing/	HALL SAFETY NAS ESTREET
Manganese	2,000	in the property of the second	PART PROPERTY OF
Silver 1 3 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2	2 1 100 8 12		YAP MARKET I
Vanadium	28 4	a participal in the second	A TOWN NAZE THE
Vanadium" 11. Zinca	230 8	rf Lightan	NA <sup>9</sup>
Total Disselved Solids	4850	mg/L+ to	NA <sup>9</sup>
Total Suspended Solids	U. U. E. T. 20 (4)   A. E. E.	mg/L	A CANADA CAN
Hardness	N/A	mg/L	. 530
Cyanide, Free	i (10 m)	μgæri	' 'NA'

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
   Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
   Shaded cells indicate that analytical value exceeds the "Daily Maximum."
   "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
   "NA" indicates that analyses were not performed and data is unavailable.
   Average flows based on effluent readings taken September 5, 2011 through October 3, 2011. Total gallons: 196,557 divided by 28 operating days.
   "J" indicates an estimated value below the detection limit.
   "B" indicates analyte found in the associated blank.
   Removed from the required analysis list by NYSDEC Region 9 in February 2005.

- 9. Removed from the required analysis list by NYSDEC Region 9 in February 2005.

Table 4
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #9-15-157
September 2011 VOC Analytical Summary

	Bas	ed on the	Based on the 9/28/11 Effluent Sampling Results	ent Sampli	ng Results
	Influent	nt	Effluent	lent	Cleanup
Compound	Concentration*	tion*	Concentration*	ration*	Efficiency**
	(T/gu)	(	( <u>T/</u> gn)	T)	(%)
Acetone	ND (<50.0)	Ú	ND (<5.0)	ם	NA
Benzene	ND (<10.0)	Ω	ND (<1.0)	כ	NA
2-Butanone	ND (<50.0)	Ω	ND (<5.0)	n	NA
cis-1, 2-Dichloroethene	100.0		ND (<1.0)	n	100.00%
Methylene chloride	ND (<10.0)	n	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	12		ND (<1.0)	n	100.00%
Tetrachloroethene	1600.0		(<1.0) UN	U	100.00%
Toluene	ND (<10.0)	Ω	ND (<1.0)	U	NA
Trichloroethene	130.0		(0.1>) CIN	U	100.00%
Carbon Disulfide	ND (<10.0)	Ω	ND (<1.0)	n	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND (<10.0)	Ω	ND (<1.0)	U	NA
Cyclohexane	ND (<10.0)	n	ND (<1.0)	U	NA
trans-1,2-dichloroethene	ND (<10.0)	Ω	ND (<1.0)	U	NA
Chlorobenzene	ND (<10.0)	n	ND (<1.0)	Ω	NA
Methylcyclohexane	ND (<10.0)	U	ND (<1.0)	U	NA
Methyl acetate	ND (<10.0)	U	ND (<1.0)	Ω	NA
Total Xylenes	ND (<10.0)	Ω	ND (<1.0)	_ n	NA
September 2011 TOTALs (in ug/L) =	1845.0		0.00		100.00%

# Notes:

- "NA" = Not applicable
- 2. "ND" or "U" = Compound analyzed, but was not detected. Detection limit in parentheses.
- 3. "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
  - 4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
    - 5. "D" = Compounds identified in analysis required secondary dilution factoring.
      - 6. "B" indicates analyte found in the associated blank.
- \* (<50) Detection Limit
- \*\* Contaminants of Concern only

# Table 5 Mr. C's Dry Cleaners Site Remediation Site #9-15-157

# Monthly VOCs Removed From Groundwater

Month	Actual Period	Influent VOCs	Effluent VOCs	VOCs Removed
		(μg/L)	(μg/L)	(lbs.)
Total pounds o	f VOCs removed from	inception to Dec	ember 2010 =	1479.64
January 2011	1/5/11 - 2/1/11	1035.3	3.81	4.15
February 2011	2/1/11 - 3/7/11	1310.0	0.73	3.03
March 2011	3/7/11 - 3/29/11	1541.0	0.00	4.44
April 2011	3/29/11- 5/3/11	1121.0	0.74	4.82
May 2011	5/3/11 - 5/31/11	785.0	5.20	2.85
June 2011	5/31/11 - 7/5/11	1447.8	3.10	6.49
July 2011	7/5/11 - 7/25/11	1625.3	3.01	3.08
August 2011	7/25/11 - 9/5/11	1330.0	0.97	4.12
September 2011	9/5/11 - 10/3/11	1845.0	0.00	3.03
October 2011				
November 2011				
December 2011				

Total pounds of VOCs removed from inception =

Total pounds of VOCs removed in 2011

#### HISTORICAL NOTES:

- 1. Calculations are based on monthly water samples and assumes samples are representative of the entire reporting
- Calculations assume that non-detect values = 0 ug/L.
   Total VOCs summations include estimated "J" values.
- 4. Calculations are based on effluent totalizer readings.
- 5. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
- 6. No samples were collected in September 2003. August 2003 values are used.
- 7. Treatment system operated by Tyree Organization, Ltd. from 9/02 to 9/03.
- 8. Treatment system operated by O&M Enterprises from 10/03 to 7/07.
- 9. Treatment system operated by IEG from 7/07 to present.

#### CONVERSIONS:

1 pound = 453.5924 grams

1 gallon = 3.785 liters

# Based on the Analytical Results from Each Month:

Pounds of VOCs removed calculated by the following formula:

(VOCs Influent - VOCs Effluent) (ug/L) · (1g/10 b ug) · (1 lb/453.5924 g) · (Monthly process water) (gal) · (3.785 L/gallon)

# Attachment A IEG Weekly Inspection Reports September 2011

# **Including:**

9/5/11

9/12/11

9/20/11

9/26/11

10/3/11

# **NYSDEC Site #9-15-157**

# OM&M: SITE INSPECTION FORM

DATE:	5-Sep-1	1	ACTIVITIES:	Site Inspect	ion		
INSPEC	TION PERSONNEL:	R. Allen		OTHER PERS	ONNEL:		
WEATH	R CONDITIONS:	Cloudy, warm				OUTSIDE TEMPE	RATURE (° F): 68
• • • • • • • • • • • • • • • • • • • •	LL PUMPS OPERA	TING IN AUTO: and PW-8 are OFF du	YES:		√	f "NO", provide expl	anation below
	100-11 11 -4,1 11-0	<u> </u>				,	
! !		PRO\	/IDE WATER LEV	EL READINGS	ON CONTROL PANE	L	
RW-1	on:	OFF:	11_ft	PW-5	on:√	OFF:	ft
PW-2	on: <u>√</u>	OFF:	98_ft	PW-6	ON:	off:√	7 ft
PW-3	ON:	off: √	5_ft	PW-7	on:	OFF:	ft
PW-4	on: √	OFF:	23_ft	PW-8	on:√	OFF:	ft
	EQUA	ALIZATION TANK:	_4π	Last	Alarm D/T/Condition:	8/26/11 RW-1 Overloa	ad
	NOTES:						
INFLU	JENT FLOW RATE:	9	gpm	INFLUENT TO	TALIZER READING:	8,486,57	'5.0 gallons
SE	QUESTERING AGE	NT DRUM LEVEL:	15 inches	(x 1.7	r=) AMOUNT OF A	AGENT REMAINING:	25.5 gallons
s	SEQUESTERING AG	ENT FEED RATE:	8.0 ml/min		METERING	PUMP PRESSURE:	3.0 psi
<del>-</del> -			Тор	Bottom		Тор	Bottom
	BAG FILTER PRE	SSURES:	LEFT: 35	0 psi	RIGHT: _	42	0psi
INFL	JENT FEED PUMP II	N USE: #1	√ #2	2	INFLUENT PUMP PR	RESSURE:	14psi
ΔIR	STRIPPER BLOWE	 R IN USE: #1	√ #2	2	AIR STRIPPER PR	RESSURE:	<b>26.0</b> in. H <sub>2</sub> O
	RIPPER DIFFERENTI	_			DISCHARGE PR		1.8 in. H <sub>2</sub> O
	ENT PUMP IN USE:	 #1	#2 √	EFFLU	ENT FEED PUMP PR	ESSURE:	5.0 psi
	IENT FLOW RATE:			-	EADING: 65		761980 gallons
ARE B	UILDING HEATERS	IN USE? YES:	NO:	:		INSIDE TEMPE	RATURE (° F): 7/6
IS St	IMP PUMP IN USE:	YES:√	NO:	ARE ANY	LEAKS PRESENT?	YES:	NO:√
WATE	R LEVEL IN SUMP:	<b>6.5</b> in.	TREATMENT	BUILDING CLE	AN & ORGANIZED?	YES: √	NO:

# NYSDEC Site #90150157

# SITE INSPECTION FORM

										ep-
SAMPLES COLLECTED?	YES:_	1	NO:	<u>.</u>						
		San	nple ID	Time of Sampling		pН	Turbidity	Temp.	Sp. Cond.	
AIR STRIPPER IN	IFLUENT:	INF	<u>:</u>	9:00 AM	_	7.17	12.00	17.5	279 <u>5</u>	
AIR STRIPPER EF	FLUENT:	<u>EF</u>	<u>F</u>	9:00 AM		8,62	9.07	19.9	2772	
IS THERE EVIDE	NCE OF TA	MPERING/	VANDALIS	SM OF WELLS: ?	YES:		NO:	√		
		WERE	MANHOL	ES INSPECTED?	YES:		NO:			
	WER	E ELECTRI	ICAL BOX	ES INSPECTED?	YES:	$\overline{}$	NO:			
IS WATER PRESEN	T IN ANY M	ANHOLES	OR ELEC	TRICAL BOXES?	YES:	-	NO:	$\sqrt{}$		
				ox ID and description of	⊷ any correc	tive meas	ures below:			
N-4 and PZ-4B have collaps										
emarks:										_
ther Actions: Changed I	oag filters.	apsed inne	er ring.		,					
ther Actions: Changed I		apsed inne	er ring.	AGWAY						
ther Actions: Changed I PZ-4B - re		apsed inne		AGWAY H <sub>2</sub> O		AIR PF	RESSURE:		<b>120</b> ps	;i
ther Actions: Changed I PZ-4B - re	placed coll					AIR PP	RESSURE:		120 ps	;;i
ther Actions: Changed in PZ-4B - re	VACUUM:	-20	in.	H₂O		,	RESSURE:			31
ther Actions: Changed in PZ-4B - re	VACUUM: scfm	-20 26.0	in. psi	H₂O SP-5		scfm	RESSURE:	,	psi	si
SYSTEM  SP-1: 0.0  SP-2: 0.0	VACUUM: scfm scfm	-20 26.0 > 30	in. psi psi	H <sub>2</sub> O SP-5 SP-6		scfm scfm	RESSURE:	H	psi	\$i
SYSTEM  SP-1: 0.0  SP-2: 0.0  SP-3: 0.0  SP-4: 0.0	VACUUM: scfm scfm scfm	-20 26.0 > 30 30.0 > 30	in. psi psi psi	SP-5 SP-6 SP-7 SP-8		scfm scfm scfm scfm		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	psi psi psi psi	si
SYSTEM  SP-1: 0.0  SP-2: 0.0  SP-3: 0.0  SP-4: 0.0	VACUUM: scfm scfm scfm	-20 26.0 > 30 30.0 > 30	in. psi psi psi	SP-5 SP-6 SP-7	NTENANC	scfm scfm scfm scfm		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	psi psi psi psi	31
SYSTEM  SP-1: 0.0  SP-2: 0.0  SP-3: 0.0  SP-4: 0.0  INCLUI	VACUUM: scfm scfm scfm bc REMARi	-20 26.0 > 30 30.0 > 30  KS & DESC	in. psi psi psi	SP-5 SP-6 SP-7 SP-8	NTENANC	scfm scfm scfm scfm		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	psi psi psi psi	\$i
SYSTEM   SP-1:	VACUUM: scfm scfm scfm	-20 26.0 > 30 30.0 > 30  KS & DESC	in. psi psi psi	SP-5 SP-6 SP-7 SP-8	NTENANC	scfm scfm scfm scfm		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	psi psi psi psi	si

# **NYSDEC Site #9-15-157**

# OM&M: SITE INSPECTION FORM

DATE: 12-Sep-11	ACTIVITIES:	Site Inspection	
INSPECTION PERSONNEL: R. Allen		OTHER PERSONNEL:	
WEATHER CONDITIONS: Partly cloudy, war	m	OUTSIDE TEMPERATURE (° F):	70
ARE WELL PUMPS OPERATING IN AUTO:  RW-1, PW-4, PW-5 and PW-8 are OFF du			<u>.</u>
PROV	/IDE WATER LEV	EL READINGS ON CONTROL PANEL	
RW-1 ON: √ OFF:	11 ft	PW-5 ON: √ OFF:	ft
PW-2 ON:	<b>21</b> ft	PW-6 ON: OFF:	ft
PW-3 ON: OFF:	4 ft	PW-7 ON: √ OFF: 6	ft
PW-4 ON: \(  \) OFF:	17 ft	PW-8 ON: √ OFF: 12	ft
EQUALIZATION TANK:		Last Alarm D/T/Condition: 9/5/11 Air Stripper Low Level	
INFLUENT FLOW RATE: 6	gpm	INFLUENT TOTALIZER READING: 8,558,631.0	gallons 
SEQUESTERING AGENT DRUM LEVEL: SEQUESTERING AGENT FEED RATE:			gallons psi
BAG FILTER PRESSURES:	Top	Bottom Top Bottom 0 psi RIGHT: 8 0	psi
INFLUENT FEED PUMP IN USE: #1	√#2	INFLUENT PUMP PRESSURE: 14	psi
AIR STRIPPER BLOWER IN USE: #1_ AIR STRIPPER DIFFERENTIAL PRESSURE:			in. H₂O in. H₂O
EFFLUENT PUMP IN USE: #1 EFFLUENT FLOW RATE: 114 gpm		EFFLUENT FEED PUMP PRESSURE: 5.0  TOTALIZER READING: 65,418,576 804370	psi gallons
ARE BUILDING HEATERS IN USE? YES:	NO:	:	78
IS SUMP PUMP IN USE; YES:√	NO:	ARE ANY LEAKS PRESENT? YES: NO:	<u>√</u> ]
WATER LEVEL IN SUMP: 7.0 in.	TREATMENT	BUILDING CLEAN & ORGANIZED? YES: V NO:	

# **NYSDEC Site #90150157**

# SITE INSPECTION FORM

AMPLES COLL	LECTED?	YES:_		NO:	<b>√</b>							
			San	nple ID	Time of S	ampling		pН	Turbidity	Temp.	Sp. Cond.	
AIR ST	RIPPER INF	LUENT:										_
	RIPPER EFF											_
IS THE	RE EVIDEN	ICE OF TA	MPERING/	VANDALIS	SM OF WELL	S: 7	YES:_	<del></del> 1	_ NO:	1	-	
			WERE	MANHOL	ES INSPECT	ED?	YES:_	<del>- 1</del>	NO:_		-	
		WER	E ELECTRI	CAL BOX	ES INSPECT	ED?	YES:_		→ NO:	1	-	
IS WATER					TRICAL BOX		YES:_		_ NO:	٧		
		-	de manhole.	/electric bo	ox ID and des	ription of ar	ny correc	tive mea	sures below:			
4 has collapse	ed inner ring.						<del></del>	•••			<del>.</del>	
er Actions: I						·-						
er Actions: I					to grade. ve (2) full dru	·-						
er Actions: I					ve (2) full dru	·-						
er Actions:		edux picku		Irum. Ha	ve (2) full dru	ms.			PRESSURE:		100	psi
er Actions:	Switched R	edux picku	up to new o	Irum. Ha	ve (2) full dru AG	ms.			PRESSURE:		100 _psi	psi
er Actions:	Switched R	edux pickı	-20 26.5	irum. Ha	ve (2) full dru AG	way		AIR F	PRESSURE:			psì
er Actions: I	Switched R  SYSTEM V.  0.0	edux picku  ACUUM:  scfm	-20 26.5 > 30	irum. Ha	ve (2) full dru AG	WAY  SP-5		AIR F	PRESSURE:		psi	psi
er Actions: I	System V.  0.0  0.0	ACUUM: scfm scfm	-20 26.5 > 30	irum. Har	ve (2) full dru AG	WAY  SP-5		AIR F	PRESSURE:		psi	psi
SP-1:_ SP-2:_ SP-3:_	System V.  0.0  0.0  0.0  0.0	ACUUM: scfm scfm scfm	-20 26.5 > 30 30.0 > 30	in.  psi psi psi psi	AG	WAY  SP-6 SP-7 SP-8		AIR F scfr scfr scfr	PRESSURE:		psi psi psi psi	psi
SP-1:_ SP-2:_ SP-3:_ SP-4:_	SYSTEM V.  0.0  0.0  0.0  INCLUD	ACUUM:  scfm  scfm  scfm  scfm	-20 26.5 > 30 30.0 > 30	in.  psi psi psi psi	ve (2) full dru AG	WAY  SP-6 SP-7 SP-8		AIR F scfr scfr scfr	PRESSURE:		psi psi psi psi	psi
SP-1: SP-2: SP-3: SP-4:	System V.  0.0  0.0  0.0  INCLUD.  SVE vacuu	ACUUM: scfm scfm scfm scfm	-20 26.5 > 30 30.0 > 30  (S & DESC dry.	in.  psi  psi  psi  psi  psi  psi	AG	WAY  SP-5 SP-6 SP-7 SP-8		AIR F scfn scfr scfr	PRESSURE:		psi psi psi psi	psi

# **NYSDEC Site #9-15-157**

# OM&M: SITE INSPECTION FORM

DATE:	20-Sep-11		ACTIVITIES:	Site Inspecti	on			
INSPECT	TION PERSONNEL:	R. Allen		OTHER PERSO	NNEL:		·	· · · · · · · · · · · · · · · · · · ·
WEATHE	R CONDITIONS: Pa	rtly cloudy, war	m			OUTSIDE TEMPE	RATURE (° F)	65
ARE WE	LL PUMPS OPERATIN	G IN AUTO:	YES:	NO:	<b>√</b>	lf "NO", provide expl	anation below	,
-	RW-1, PW-4 and PW-5	are OFF due to m	aintenance probl	ems.				
-	<u> </u>	PROV	/IDE WATER LEV	EL READINGS C	N CONTROL PANE			<u> </u>
RW-1	on: <u>√</u>	OFF:	11_ft	PW-5	on:√	OFF:	183	_ft
PW-2	on:√	OFF:	23 ft	PW-6	ON:	OFF:√	5	_ft
PW-3	on: <u>√</u>	OFF:	28_ft	PW-7	on:	OFF:	4	_ft
PW-4	on:	OFF:	16_ft	PW-8	on:√	OFF:	5	_ft
	EQUALI	ZATION TANK:	<b>4</b> ft	Last A	larm D/T/Condition:	9/5/11 Air Stripper Lov	v Level	
	NOTES:		t .					
INFLU	ENT FLOW RATE:	10	gpm	INFLUENT TOT	ALIZER READING:	8,662,92	29.0 	_gallons
SE	QUESTERING AGENT	DRUM LEVEL:	26 inches	(x 1.7	=) AMOUNT OF	AGENT REMAINING:	44	_gallons
s	EQUESTERING AGEN	IT FEED RATE:	4.0 ml/min		METERING	PUMP PRESSURE:	3.0	_psi
			Тор	Bottom		Тор	Bottom	
	BAG FILTER PRESS	URES:	LEFT: 24	0 psi	RIGHT:	29	0	_psi 
INFLU	IENT FEED PUMP IN U	/SE: #1	√ #2		IFLUENT PUMP PE	RESSURE:	14	_psi
AIR S	STRIPPER BLOWER IN		<b></b>	<b></b> :	AIR STRIPPER PE	RESSURE:	33.0	in. H <sub>2</sub> O
AIR STR	IPPER DIFFERENTIAL	PRESSURE:	0.026	in. H <sub>2</sub> O	DISCHARGE PR	RESSURE:	1.4	_in. H₂O
EFFLUE	 :NT PUMP IN USE:	#1	#2 √	EFFLUE	NT FEED PUMP PR	RESSURE:	4.5	psi
	ENT FLOW RATE:	··		- TOTALIZER RE	ADING: 65	5,479,660	866020	gallons
	IILDING HEATERS IN		NO:	. <u>/</u>		INSIDE TEMPE	RATURE (° F):	78
ıs su	MP PUMP IN USE:	YES:	NO:	ARE ANY L	EAKS PRESENT?	YES:	. NO	:
WATER	R LEVEL IN SUMP:	6.0 in.	TREATMENT I	BUILDING CLEA	N & ORGANIZED?	YES: <u>√</u>	. NO	:

# NYSDEC Site #90150157

# SITE INSPECTION FORM

									P-11.
SAMPLES COLLECTED?	YES: √	NO:	— me of Sampling		ρΉ	Turbidity	Temp.	Sp. Cond.	
	30	ulibie in iii	me or Sampring		рп	raibleity	remp.	ор. обла.	
AIR STRIPPER INF	LUENT:			_		<del> </del>			
AIR STRIPPER EFF	LUENT:	<u>.</u>						<del></del>	
IS THERE EVIDEN	CE OF TAMPERING	VANDALISM OF	WELLS: 7	YES:		NO:	√		
		E MANHOLES IN		YES:	<b>√</b>	NO:		•	
		RICAL BOXES IN		YES:	$\overline{}$	NO:		•	
IS WATER PRESENT				YES:		NO:	1	•	
	yes, provide manho			-	cfive meası	-	·	•	
PW-4 has a collapsed inner ring		iologonio por io	,	,					
1 VV 4 Field & Bolizpass (Into Ting	,·	1							
INCLUDI	E REMARKS & DES	CRIBE ANY OTH	IER SYSTEM MAI	NTENAN	CE PERFO	RMED ON	MR. C's S.	ITE	
Remarks: Sent Lab Sa	imples: (2) Influent	HCL vials; (2) E	ffluent HCL vials						
Other Actions: Increased R	ledux pump slightly	to: Left 2.5; Rig	ht 1.5.					<del></del>	
	•	<del></del>							
					:		:	,	
			AGWAY						
SYSTEM V	а <i>сиим:</i> 2:	<b>1</b> in. H₂O			AIR PF	RESSURE: _		60 psi	
SP-1: 0.0	scfm	psi	SP-5	0.0	scfm	-	28.5	psi	
SP-2: 0.0	scfm > 30	psi	SP-6	0.0	scfm	_	> 30	psi	
SP-3: 0.0	scfm 30.0	psi	SP-7	0.0	scfm	·	> 30	psi	
SP-4: 0.0	scfm > 30	psi		0.0	scfm	-	- 20	psi	
INCLUDE	REMARKS & DES	CRIBE ANY OTH	ER SYSTEM MAI	NTENAN	CE PERFO	RMED ON .	AGW <u>AYS</u>	ITE	
Remarks: SVE vacuur	n drum is dry.							<u></u>	
·									
Other Actions:									

# **NYSDEC Site #9-15-157**

# OM&M: SITE INSPECTION FORM

DATE:	26-Sep-1	1	ACTIVITIES:	Site Inspect	ion			
INSPECT	TION PERSONNEL:_	R. Allen		OTHER PERS	ONNEL:			
WEATHE	R CONDITIONS:	Sunny, warm				OUTSIDE TEMPE	RATURE (° F).	79
		ING IN AUTO: I-5 are OFF due to m			<u>√</u>	If "NO", provide expl	anation below	· ·
. •			VIDE WATER LEV	EL DEADINGS	ON CONTROL B	ANIEL	· · · · · · · · · · · · · · · · · · ·	
RW-1	on: √		11 ft	PW-5	on control P	OFF:	181	ft
PW-2	ON:	off: √ 6		PW-6	on:	OFF:	- 5	_ft .
PW-3	on:	OFF:	32 ft	PW-7	on:√	OFF:	7	_ft
PW-4	on:	OFF:	20 ft	PW-8	on:√	OFF:	7	_ft
		LIZATION TANK:			Alarm D/T/Conditi	on: 9/5/11 Air Stripper Lov	w Level	<del></del>
	NOTES:	PW-7 and PW-8 rema	in ON at a steady	/ level 6 or 7.				
INFLU	JENT FLOW RATE:	<u>8</u>	gpm	INFLUENT TO	TALIZER READI	NG: 8,736,66	64.0	_gallons
	QUESTERING AGEN	_	20 inches	(x 1.		OF AGENT REMAINING: RING PUMP PRESSURE:	_	_gallons _psi
<del></del> -	EQUESTERING AGE	ENT FEED RATE:	4.0 ml/min	Bottom	WETER	Top	Bottom	
	BAG FILTER PRES	SSURES:	LEFT: 38	0 psi	RIGHT	4-	0	_psi
INFLU	JENT FEED PUMP IN	I USE: #1	#2	2	INFLUENT PUMI	PRESSURE:	14	_psi
AIR	STRIPPER BLOWER	R IN USE: #1		2	AIR STRIPPEI	R PRESSURE:	35.0	_in. H₂O
AIR STR	IPPER DIFFERENTI	AL PRESSURE:	0.026	_in. H <sub>2</sub> O	DISCHARGI	E PRESSURE:	1.2	in. H <sub>2</sub> O
EFFLUE	ENT PUMP IN USE:	#1	#2	EFFLU	ENT FEED PUMI	P PRESSURE:	4.0	_psi
EFFLU	IENT FLOW RATE: _	108 gpm	EFFLUENT	TOTALIZER R	EADING:	65,523,443	91009	gallons
ARE B	JILDING HEATERS I	N USE? YES:	NO	:		INSIDE TEMPE	RATURE (° F)	88
IS SU	IMP PUMP IN USE:	YES:	NO:	ARE ANY	LEAKS PRESEN	/T? YES:	. NO	:
WATE	R LEVEL IN SUMP:	7.0 in.	TREATMENT	BUILDING CLE	AN & ORGANIZE	:D? YES:	NO	:

# NYSDEC Site #90150157

# SITE INSPECTION FORM

											2	6-Sep-11
SAMPLES COLL	ECTED?	YES:	Samp	NO:	√ Time of §	Sampling		рН	Turbidity	Temp.	Sp. Cond.	
	RIPPER INFL				·		-					_
AIR STR	IPPER EFFL	LUENT:										- 
IS THE	RE EVIDENO	CE OF TAM	PERING/VA	NDALIS	SM OF WELL	.S: ?	YES:		NO:	√		
			WERE M	ANHOLI	ES INSPECT	ED?	YES:	1	NO:			
	•	WERE	ELECTRICA	AL BOXE	ES INSPECT	ED?	YES:	√ <u></u>	NO:	···		
IS WATER	PRESENT I	N ANY MA	NHOLES OF	R ELECT	TRICAL BOX	ES?	YES:		NO:	$\sqrt{}$	. ,	
	1f	yes, provide	e manhole/el	ectric bo	x ID and des	cription of	any corre	ctive meas	ures below:			
W-4 has a collaps	ed inner ring								<del>.</del>	•		
	·											
other Actions: (			rough port a	access v	with steel br	ıshes.						
······································					AG	WAY		··.				
<del></del> ,	SYSTEM VA	CUUM:	-20_	in.	H₂O			AIR P	RESSURE:		105	_psi
SP-1:_	0.0	scfm	26.0	psi		SP-5	0.0	scfm	١ .	28.0	psi	
SP-2:	0.0	scfm	> 30_	psi		SP-6	0.0	scfm	1 ,	30.0	psi	
SP-3:	0.0	scfm	30.0	psi		SP-7	0.0	scfm	1 .	> 30	psi	
- SP-4:	0.0	scfm		psi		SP-8	0.0	scfm	1 .	> 30	psi	
				BE ANY	OTHER SY	STEM MAI	NTENAN	CE PERF	ORINED ON	AGWAY S	IIE	
Remarks: 5	SVE vacuun	n drum is g	ry.					-		·		
<del></del>							-					
Other Actions:												

# **NYSDEC Site #9-15-157**

# OM&M: SITE INSPECTION FORM

DATE:	3-Oct-1	1	ACTIVITIES:	Site Inspec	tion		
INSPECT	TON PERSONNEL:	R. Allen	·	OTHER PERS	SONNEL:		
WEATHE	R CONDITIONS:	Partly cloudy, wa	arm		·	OUTSIDE TEMPE	RATURE (° F): 66
		TING IN AUTO: W-5 are OFF due to			_√	If "NO", provide expl	anation below
•		PRC	VIDE WATER LEV	EL READINGS	ON CONTROL PA	NEL	
RW-1	on: <u>√</u>	OFF:	11 ft	PW-5	on:√	OFF:	180ft
PW-2	on:√	OFF:	103 ft	PW-6	ON:	OFF:√	ft
PW-3	on:√	OFF:	31ft	PW-7	ON:	OFF:	ft
PVV-4	on:√	OFF:	<b>22</b> ft	PW-8	on:√	OFF:	ft
		ALIZATION TANK:	ft	Last	Alarm D/T/Condition	n: 9/26/11 Air Stripper Lo	ow Level
	NOTES:						
INFLU	ENT FLOW RATE:	8	gpm	INFLUENT TO	TALIZER READING	G: 8,819,81	[2.0 gallons
		ENT DRUM LEVEL: _	<del></del> -	(x 1.		F AGENT REMAINING: NG PUMP PRESSURE:	
	BAG FILTER PRE	ESSURES:	Top	Bottom 0 psi	RIGHT:	Тор <b>О</b>	Bottom psi
INFLU	ENT FEED PUMP	IN USE: #1_	-		INFLUENT PUMP	PRESSURE:	14psi
,	STRIPPER BLOWE	-	√#2 0.032			PRESSURE:	
	ENT PUMP IN USE: ENT FLOW RATE:			_ EFFLU		PRESSURE:	
	ILDING HEATERS		NO:			INSIDE TEMPE	RATURE (° F):72
is su	MP PUMP IN USE:	YES:	NO:	AREANY	LEAKS PRESENT	? YES:	NO:√
WATER	R LEVEL IN SUMP:	7.5 in.	TREATMENT	BUILDING CLE	AN & ORGANIZED	? YES:√	NO:

# NYSDEC Site #90150157

# SITE INSPECTION FORM

-  YES:_ YES:_	7,22 8,61	10.13 9.44 NO:	15.7 17.3	2559 2608
_		9.44	17.3	
_	8.61			<u>2608</u>
_		NO:	-1	
YES:	<del>- , -</del>		<u> </u>	
	√	NO:		,
YES:	_√_	NO;		
YES:_		NO:		
any correc	ctive measu	res below:		
<del></del>			· · · · · ·	
		<del></del>		
		· · · · · · · · · · · · · · · · · · ·		
		<del> </del>	•	· · · · · · · · · · · · · · · · · · ·
	410.00	ECCUPE.		70 psi
		LOSUKE:		psi osi
		-		
		-		
	_	-		
<u>U.U</u>	scfm		p	)SI 
NTENAN	CE P <u>ERFO</u>	RMED ON	AGWAY SI	TE
NTENANO	CE PERFO	RMED ON A	AGWAY SI	TE
	iny correc	AIR PR  0.0 scfm  0.0 scfm	AIR PRESSURE:  0.0 scfm  0.0 scfm	AIR PRESSURE:  0.0 scfm 30.0 p.  0.0 scfm > 30 p.

# MR. C's DRY CLEANERS SITE NYSDEC Site #9-15-157

# OM&M: PIEZOMETER WATER LEVEL LOG

Date:	28-Se <sub>l</sub>	p-11	Measuremen	ts taken by:	R. A	Allen	
RW-1	13.90 ft	Comments:		PW-5	19.00 ft	Comments:	
PZ-1A	11.67 ft	Comments:			← 11.13 ft	Comments:	
∥ .	20.15 ft	Comments:		PZ-5B	11.12 ft	Comments:	
PZ-1B		•		PZ-5C	10.70 ft	Comments:	
PZ-1C	12.65 ft	Comments:		PZ-5D	11.56 ft	Comments:	
PZ-1D	12.81 ft	Comments:		PZ-5D		Comments.	
PW-2	26.70 ft	Comments:		PW-6	19.30 ft	Comments:	<u> </u>
PZ-2A	26.67 ft	Comments:		PZ-6A	12.12 ft	Comments:	
PZ-2B	11.69 ft	Comments:		PZ-6B	11.98 ft	Comments:	
PZ-2C	11.12 ft	Comments:		PZ-6C	12.15 ft	Comments:	
MW-7	11.66 ft	Comments:	Substitute for 2D	PZ-6D	15.63 ft	Comments:	Shown as RW-2 on map
PW-3	27.30 ft	Comments:		PW-7	17.60 ft	Comments:	
PZ-3A	11.72 ft	Comments:		MPI-6S	11.58 ft	Comments:	
PZ-3B	11.85 ft	Comments:		PZ-7B	11.94 ft	Comments:	
PZ-3C	12.34 ft	Comments:		OW-B	20.05 ft	Comments:	
PZ-3D	11.84 ft	Comments:		PZ-7D	11.52 ft	Comments:	
PW-4	ft	Comments:	collapsed ring	PW-8	18.30 ft	Comments:	
PZ-4A	11.65 ft	Comments:		PZ-8A	8.68 ft	Comments:	
PZ-4B	19.05 ft	Comments:		PZ-8B	8.68 ft	Comments:	
PZ-4C	ft	Comments:	sealed over	PZ-8C	8.50 ft	Comments:	
PZ-4D	10.74 ft	Comments:		PZ-8D	8.09 ft	Comments:	
<u> </u>	· · · · · · · · · · · · · · · · · · ·			1			
		PUI	MPS IN OPERATION D	URING MEA	SUREMENT	3	
RW-1 p	oump on?	Yes	√ No	PW-5	pump on?	Yes —-	√ No
PW-2 p	oump on? $\sqrt{}$	Yes	No	PW-6	pump on? \	Yes	No
PW-3 p	oump on? $\sqrt{}$	Yes	No	PW-7	pump on?	Yes	√ No
PW-4 p	oump on?	– · Yes	No	PW-8	pump on?	Yes	√ No

# MR. C's DRY CLEANERS SITE NYSDEC Site #9-15-157

# OM&M: PIEZOMETER WATER LEVEL LOG

Date:	28-Se	ep-11	Measuremen	its taken by:	R. A	llen	
RW-1	13.90 ft	Comments:		PW-5	19.00 ft	Comments:	
PZ-1A	11.67 ft	Comments:		PZ-5A	11.13 ft	Comments:	
PZ-1B	20.15 ft	Comments:		PZ-5B	11.12 ft	Comments:	
PZ-1C	. 12.65 ft	Comments:		PZ-5C	10.70 ft	Comments:	<del> </del>
PZ-1D	12.81 ft	Comments:		PZ-5D	11.56 ft	Comments:	
PW-2	26.70 ft	Comments:		PW-6	19.30 ft	Comments:	
PZ-2A	26.67 ft	Comments:		PZ-6A	12.12 ft	Comments:	
PZ-2B	11.69 ft	Comments:		PZ-6B	11.98 ft	Comments:	
PZ-2C	11,12 ft	Comments:		PZ-6C	12.15 ft	Comments:	
MW-7	11.66 ft	Comments:	Substitute for 2D	PZ-6D	15.63 ft	Comments:	Shown as RW-2 on map
PW-3	27.30 ft	Comments:		PW-7	17.60 ft	Comments:	
PZ-3A	11.72 ft	Comments:		MPI-6S	11.58 ft	Comments:	
PZ-3B	11.85 ft	Comments:		PZ-7B	11.94 ft	Comments:	
PZ-3C	12.34 ft	Comments:		оw-в	20.05 ft	Comments:	
PZ-3D	11.84 ft	Comments:		PZ-7D	11.52 ft	Comments:	
PW-4	ft	Comments:	collapsed ring	PW-8	18.30 ft	Comments:	
PZ-4A	11.65 ft	Comments:	-	PZ-8A	8.68 ft	Comments:	•
PZ-4B	19.05 ft	Comments:	-	PZ-8B	8.68 ft	Comments:	
PZ-4C	ft	Comments:	sealed over	PZ-8C	8.50 ft	Comments:	
PZ-4D	10.74 ft	Comments:	· · · · · · · · · · · · · · · · · · ·	PZ-8D	8.09 ft	Comments:	
	1						
<b>5</b> (3) 4			IPS IN OPERATION D	ì	SUREMENTS ump on?	Yes	√ No
	oump on?	Yes — - Yes	√ No No		ump on? $\sqrt{}$	— Yes	No No

PW-6 pump on?

PW-7 pump on?

PW-8 pump on?

Yes

Yes

Yes

No

PW-2 pump on?

PW-3 pump on?

PW-4 pump on?

Yes

Yes

Yes

No

No

No

# Mr. C's CLEANERS OM&M

# SUMMARY OF FIELD ACTIVITIES BY IEG - 09/2011

DATE	ACTIVITY
5-Sep	Weekly Inspection. Clean Treatment Room. Change bag filters. PZ-4B - prepare to replace inner ring.
6-Sep	PZ-4B - mobilize equipment, remove old ring and install new ring. OM&M office work.
7-Sep	Sampling and PZ-4B inspection.
8-Sep	End of month summaries. PZ-4B inspection and add additional traffic barrier.
12-Sep	OM&M Weekly Inspection and office work. PZ-4B -Add cold patch around well. Get supplies.
14-Sep	Switched Redux pickup to new drum. PZ-4B - picked up traffic cones. Bank 2 Timer - replaced timer motor.
20-Sep	OM&M Weekly Inspection and office work. Get supplies.
26-Sep	OM&M Weekly Inspection. Changed bag filters.
27-Sep	OM&M office work.
28-Sep	Piezometer Readings and office work.
29-Sep	Air Stripper - cleaned through access ports with steel brushes. Poured old Redux drum into present drum.

# Mr. C's CLEANERS OM&M SUMMARY OF FIELD ACTIVITIES BY IEG - 09/2011

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Replace faulty Redux valve	Redux ball valve above influent pipe is leaking. Replaced with a chemical resistant ball valve.	Jun-11
PW-8 Well Pump not cycling down	Well pump stays on & GW level does not drop; horizontal line may be plugged. Inspected & cleaned pump & transducer. Purged horizontal line. Replaced pump.	Aug-11
PW-7 Well needs cleanout	PW-7 needs a horizontal line purge and well purge after PW-8 receives its purges.	Aug-11
Replace SVE Vacuum Drum	Present Vacuum Drum inside Agway Shed is corroded. Replace drum.	To be ordered
AS / SVE System Evaluation	Agway Shed - test & evaluate air sparge system and Soil Vapor Extraction system. Installed fittings to measure pressure and flow. Tested air sparging and SVE lines.	in progress
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner ring and bring parking lot up to level with asphalt patch.	in progress
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, leaving it vulnerable to damage. Bring parking lot up to level with asphalt patch.	in progress
Install MW Ring	Piezimeter in Agway Site parking lot was damaged by the road repair crew. To instal new Monitoring Well Ring around damaged Piezometer for protection.	in progress
Rebuild JAC Pump as needed	Jesco America Corp recommends rebuilding the Redux pump when needed. Purchased rebuild kit.	in progress
Brace Effluent Pipe	David Szymanski (NYSDEC) inspected Treatment Room and said that the effluent pipe should be braced in (3) places to the north wall,	in progress
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	in progress
Repair PW-5	PW-5 triggered an Autodialer overload alarm. Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot.	in progress
Agway Shed Concrete Dump	Approximately 1/4 yard of concrete was washed out on the north side of the Agway Shed. Concrete should be removed.	in progress
Trim Broken Piezometers	Many of the piezometers are broken. Measuring water levels is not precise when a pipe is broken. Identify and trim all broken piezometers.	in progress
Cool Treatment Room	Temperature in Treatment Room is well above 90 degrees during the summer months. Need to increase outside air inflow to the room.	in progress
Replace Air Stripper Exhaust	Present Air Stripper exhaust is very heavy and leaks moisture. Replace with lighter system.	in progress
Add Inline filter to Compressor	The Condensate Removal Valve (CRV) on the Air Compressor gets stuck open by occaisional pieces of debris from the air tank. Put filter on hose before the CRV.	in progress
PW-5 Well Pump not cycling down	The well pump stays on after the water level drops. Transducer could be bad. Inspect and clean well pump and transducer.	in progress
PZ-4B Repair	Corroded inner ring cause collapse of top cover. Replace inneer ring.	in progress
Repair Blower #2	Determined that bearing is failing in Air Stripper Blower Motor. Removed motor and take to repair shop. Reinstalled motor.	in progress
Bank 2 Timer is defective	The Bank 2 Timer inside the Agway Shed stopped working. Dismantle Timer and take for repair or replace defective parts.	in progress
Agway Shed is unlevel	Agway Shed has sunk down at the southwest corner making the alignment of the door handles poor. Raise and shim the shed floor as needed.	in progress
PW-2 & PW3 level	Water level reading is high. Inspect transducer and make necessary repairs	in progress
PW-7 pitless adapter	Pitless adapter does not seal well. Repair or replacer pitless adapter	in progress
PW-8 pitless adapter	Pittess adapter feels brokent/does not seal well. Repair/replace pittess adapter	in progress

Mr. C's CLEANERS OM&M

# SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2011

as of Sep 11

QI	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PITLESS ADAPTER	HORIZONTAL PIPE	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCE	REPAIR TRANSDUCER	PUMP OUT WELL	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	May-10	Feb-08	May-10	-		May-10					
PW-2	Aug 09, May 10	Jul-08				Aug 09, May 10	Sep-09		Aug-09		Sep-09
PW-3	Aug 09, May 10	80-Inf		Repair adapter		Aug-09			Aug-09		
PW - 4	Sep 09, May 10	Dec-07	NEED			May-10			Jul 09, Sep 09	Sep-09	Sep-09
PW - 5		Jul-08			,	Mar-11		Sep-09			
PW-6	60-InC	Jun 08, Jul 09			Pipe 8/09	Apr 09, Aug 09	Sep-09		Aug-09	Aug 09, Sep 09	Jul 09, Sep 09
2-Md	May 10, Oct 10, Aug 11	Nov 07, Jul 09, Oct 10			Pipe 8/09	Aug 09, May 10, Oct 10, Aug 11			Aug 09, May 10, Aug 11		
8 - Md	Aug 09, May 10, Aug 11	Jul 08, Sep 09, Aug 11			Pipe 8/09	Aug 09, May 10, Aug 11			Aug 09, May 10, Aug 11		

# Attachment B Analytical Report from Mitkem Laboratories

Analytical Data Package Work Order ID: K1374

Sampled: September 7, 2011 Received: September 28, 2011



🗸 Final Report
Re-Issued Report
Revised Report

# Laboratory Report

Ecology and Environment Engineering P.C.

368 Pleasant View Drive

Lancaster, NY 14086

Work Order: K1669

Project: Mr. C's Dry Cleaning Project #: 002700.DC13.02.01.01

Attn: Michael Steffan

Laboratory ID	Client Sample ID	<u>Matrix</u>	Date Sampled	Date Received
	INFLUENT	Aqueous	07-Sep-11 09:30	08-Sep-11 09:04
	EFFLUENT	Aqueous	07-Sep-11 10:00	08-Sep-11 09:04

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Mitkem Laboratories.

All applicable NELAC or USEPA CLP requirments have been meet.

Spectrum Analytical (Rhode Island) is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

N/A Department of Defense Connecticut PH-0153 N/A Delaware 2007037 Maine Massachusetts M-RI907 2631 New Hampshire RI001 New Jersey 11522 New York North Carolina 581 68-00520 Pennsylvania LAI00301 Rhode Island P330-08-00023 USDA EP-W-09-039 USEPA - ISM USEPA - SOM EP-W-11-033







Certificate # L2247 Testing

Authorized by:

Yihai Ding Laboratory Director Sample Transmittal Documentation

Control of the state of the sta			Special Handling:
TKEM C	CHAIN OF CUSTODY RECORD	ECORD	TAT- Indicate Date Needed: 276 All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
DIVESION OF SPECTRUM ANALYTICAL, INC. Featuring HAWIBAL TECHNOLOGY	Page of		<ul> <li>Samples disposed of after 30 days unless otherwise instructed.</li> </ul>
Report To: E&E Inc	Invoice To: ESE, Inc	Project No.:	
Lancaster NY 14086		Site Name:	MCCS OM&M
		Location: East Aviora	t Aviora State: NY
Telephone # (116) (84 - 8060) Troject Mgr.: Mithe Stethen	P.O. No.: RQN:	Sampler(s):	R. Allen
1=Na <sub>2</sub> S2O <sub>3</sub> 2=HCl 3=H <sub>2</sub> SO <sub>4</sub> 4 8= NaHSO <sub>4</sub> 9=	1=Na <sub>2</sub> S2O <sub>3</sub> 2=HCl 3=H <sub>2</sub> SO <sub>4</sub> 4=HNO <sub>3</sub> 5=NaOH 6=Ascorbic Acid 7=CH <sub>3</sub> OH 8= NaHSO <sub>4</sub> 9=10=10=1	List preservative code below:	le below: Notes:
W=Drinking Water GW=Groundwater	WW=Wastewater Containers:	Analyses:	QA/QC Reporting Level
D=Oil SW= Surface Water SO=Soil SL=Sludge A=Air	SL=Sludge A=Air  X3=  X3=  33	55	
	)	_	

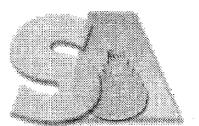
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Aii X1= X2= X3=	A=Air				ទទខ		<u>5</u> :					☐ Level I	☐ Level II
G=Grab C=Composite		· · · · ·	iV AC	nber (	ear Gl		sauf	C C				B Other CAT A	AT A
K1669	,	λbe	atrix V To		of Cla		~~+ } d	ν/ 2 D.	<del></del>	•		State specific rep	State specific reporting standards:
Lab Id: Sample Id: Date:	Time:	<del></del>					4						
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175 Metro Center Boulevard • Warwick, RI 02886-1755 • 401-732-3400 • Fax 401-732-3499 • www.mitkem.com

# SPECTRUM ANALYTICAL, INC. RI DIVISION

Sample Condition Form

				,			_			<u> </u>
Received By: "Daniu m Client Project: Mr C 5	Ken Reviewed By:	· CAU					trum F	RI Wor	k Orde	er#:/5/669
Client Project: Mr C 5				Client	: 1 <u>5</u> d				ı <del></del>	Soil Headspace or
•	**					rvatio			VOA	Air Bubbie ≥
		Lab Samp	le ID		H₂SO₄	нсі	NaOH	H <sub>3</sub> PO₄	7	. <del>**</del> 1/4"
1) Cooler Sealed	Yes No	K/619	01	<7				<u> </u>	H	
,,, 000.01.000		K1669	OΣ	C2		,			H	
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2) Custody Seal(s)	Present / Absent	·	<del> </del>			<del>'</del> .		<del></del>		
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4) Chain-of-Custody	Present / Absent		ļ					/		
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8) Date Received	CY-8-11									
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9) Time Received	9:04									
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Description Name (I of No.)	, i	/								
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See Sample C	ondition Notification/Corre	ctive Action F	orm y	yes/o	0				<i>,</i> .	
Form ID: OAF 0006							Rad C	K ye	a/no	



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

\* Volatiles \*

## REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client: Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: K1669

SW846 8260C, VOC by GC-MS

# I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

## II. HOLDING TIMES

# A. Sample Preparation:

All samples were prepared within the method-specified holding times.

# B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

#### III. METHODS

Samples were analyzed following procedures in laboratory test code: SW846 8260C

#### IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW5030

#### V. INSTRUMENTATION

# The following instrumentation was used

Instrument Code: V6

Instrument Type: GCMS-VOA Description: HP6890 / HP5973 Manufacturer: Hewlett-Packard

Model: 6890 / 5973

#### VI. ANALYSIS

#### A. Calibration:

Calibrations met the method/SOP acceptance criteria.

#### B Blanks:

All method blanks were within the acceptance criteria.

# C. Surrogates:

Surrogate standard percent recoveries were within the QC limits.

# D. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits.

#### E. Internal Standards:

Internal standard peak areas were within the QC limits.

#### F. Dilutions:

The following samples were analyzed at dilution:

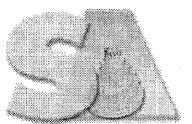
INFLUENT (K1669-01A): Dilution Factor: 10

# G. Samples:

No other unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

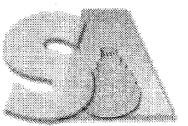
Signed:	(bud O. John	
Date:	9/28/11	



SPECTRUM ANALYTICAL, INC Featuring HANIBAL TECHNOLOGY

# Data Flag/Qualifiers:

- U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).
- J This flag indicates an estimated value due to either
  - the compound was detected below the reporting limit, or
  - · estimated concentration for Tentatively Identified Compound
- B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.
- D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis
- E This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
- P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The lower of the two values is generally reported on the Form 1, and both values reported on the Form 10.
- A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.
- N. Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.
- \* For Inorganics analysis the \* flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

# Sample ID Suffixes

- DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution
- RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.
- RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.
- RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.
- MS Matrix Spike.
- MSD Matrix Spike Duplicate
- DUP Duplicate analysis
- SD Serial Dilution
- PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

# 1A - FORM I VOA-1 VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
INFLU	ENT	

Lab Name: SPECTRUM ANALYT	ICAL, INC.		Contract:	
Lab Code: MITKEM Ca	se No.: Ki	1669	Mod. Ref No.:	SDG No.: SK1669
Matrix: (SOIL/SED/WATER)	WATER	·	Lab Sample ID:	K1669-01A
Sample wt/vol: 5.00	(g/mL) MI	L	Lab File ID:	V6I2559.D
Level: (TRACE/LOW/MED) LC	W		Date Received:	09/08/2011
% Moisture: not dec.			Date Analyzed:	09/12/2011
GC Column: DB-624	ID: 0.	.25 (mm)	Dilution Factor:	10.0
Soil Extract Volume:		(uL)	Soil Aliquot Vol	ume: (uI
Purge Volume: 5.0		(mL)		

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) µG/L	_ Q
75-71-8	Dichlorodifluoromethane	10	บ
	Chloromethane	10	Ü
	Vinyl chloride	10	Ü
	Bromomethane	10	Ū
	Chloroethane	10	Ū
	Trichlorofluoromethane	10	บ
	1,1-Dichloroethene	10	U
	Acetone	50	U
	Carbon disulfide	10	U
	Methylene chloride	10	Ū
	trans-1,2-Dichloroethene	10	U
	Methyl tert-butyl ether	15	
	1,1-Dichloroethane	10	Ū
	2-Butanone	50	Ü
156-59-2	cis-1,2-Dichloroethene	100	
	Chloroform	10	Ŭ
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
	1,2-Dichloroethane	10	U
	Benzene	10	U
	Trichloroethene	130	
	1,2-Dichloropropane	10	U
	Bromodichloromethane	10	Ū
	cis-1,3-Dichloropropene	10	U
	4-Methyl-2-pentanone	50	U
	Toluene	. 10	U
	trans-1,3-Dichloropropene	1.0	Ū
	1,1,2-Trichloroethane	10	Ū
	Tetrachloroethene	1600	
	2-Hexanone	50	U
	Dibromochloromethane	10	U
	1,2-Dibromoethane	10	Ū
	Chlorobenzene	10	Ü
	Ethylbenzene	10	U
	Xylene (Total)	10	Ū

# 1B - FORM I VOA-2 VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
INFLU	ENT	

Lab Name: SPECTRUM ANA	LYTICAL, IN	С.		Contract:		
Lab Code: MITKEM	Case No.:	K1669		Mod. Ref No.:	SDG No.: SK1669	
Matrix: (SOIL/SED/WATER	) WATEŔ			Lab Sample ID:	K1669-01A	
Sample wt/vol: 5.	00 (g/mL)	ML		Lab File ID:	V612559.D	
Level: (TRACE/LOW/MED)	LOW			Date Received:	09/08/2011	
% Moisture: not dec.				Date Analyzed:	09/12/2011	
GC Column: DB-624	ID:	0.25	(mm)	Dilution Factor:	10.0	
Soil Extract Volume:			(uL)	Soil Aliquot Vol	ume:	(uL)
Purge Volume: 5.0		<del></del>	(mL)			

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/	
100-42-5	Styrene	10	Ū
	Bromoform	10	Ü
98-82-8	Isopropylbenzene	10	U
	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	ט
	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	Ū
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	บ
76-13 <b>-</b> 1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
	Cyclohexane	10	U
79-20-9	Methyl acetate	10	U
108-87-2	Methylcyclohexane	10	U

# 1A - FORM I VOA-1 VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
וו. דים ים	ENT	

Lab Name: SPECTRUM ANALYTICAL, INC.	Contract:
Lab Code: MITKEM Case No.: K1669	Mod. Ref No.: SDG No.: SK1669
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: K1669-02A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V6I2551.D
Level: (TRACE/LOW/MED) LOW	Date Received: 09/08/2011
% Moisture: not dec.	Date Analyzed: 09/12/2011
GC Column: DB-624 ID: 0.25 (	m) Dilution Factor: 1.0
Soil Extract Volume:	L) Soil Aliquot Volume:(uL
Purge Volume: 5.0	ıL)

		CONCENTRATION UN	ITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	μG/L	Q _
75-71-8	Dichlorodifluoromethane		1.0	Ü
	Chloromethane		1.0	U
	Vinyl chloride		1.0	Ū
74-83-9	Bromomethane		1.0	Ū
75-00-3	Chloroethane		1.0	Ū
75-69-4	Trichlorofluoromethane		1.0	Ü
75-35-4	1,1-Dichloroethene		1.0	Ū
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		1.0	U
75-09-2	Methylene chloride		1.0	Ū
156-60-5	trans-1,2-Dichloroethene		1.0	Ū
1634-04-4	Methyl tert-butyl ether		1.0	บ
75-34-3	1,1-Dichloroethane		1.0	Ū
78-93 <b>-</b> 3	2-Butanone		5.0	Ū
156-59-2	cis-1,2-Dichloroethene		1.0	U
	Chloroform		1.0	U
71-55-6	1,1,1-Trichloroethane		1.0	U
56-23-5	Carbon tetrachloride		1.0	U
107-06-2	1,2-Dichloroethane		1.0	U
	Benzene		1.0	ט
79-01-6	Trichloroethene		1.0	Ū
78-87-5	1,2-Dichloropropane		1.0	Ū
75-27-4	Bromodichloromethane		1.0	U
10061-01-5	cis-1,3-Dichloropropene		1.0	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		1.0	U
10061-02-6	trans-1,3-Dichloropropene		1.0	Ū
79-00-5	1,1,2-Trichloroethane		1.0	Ū
	Tetrachloroethene		1.0	Ū
591-78-6	2-Hexanone		5.0	Ū
124-48-1	Dibromochloromethane		1.0	Ū
	1,2-Dibromoethane		1.0	Ū
108-90-7	Chlorobenzene		1.0	Ü
100-41-4	Ethylbenzene		1.0	Ü
1330-20-7	Xylene (Total)		1.0	Ū

# 1B - FORM I VOA-2 VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.	
EFFLU	ENT		

Lab Name: SPECTRUM ANA	LYTICAL, INC.	Contract:	
Lab Code: MITKEM	Case No.: K1669	Mod. Ref No.:	SDG No.: SK1669
Matrix: (SOIL/SED/WATER	R) WATER	Lab Sample ID:	K1669-02A
Sample wt/vol: 5.	00 (g/mL) ML	Lab File ID:	V6I2551.D
Level: (TRACE/LOW/MED)	LOW	Date Received:	09/08/2011
% Moisture: not dec.		Date Analyzed:	09/12/2011
GC Column: DB-624	ID: 0.25 (mm	n) Dilution Factor:	1.0
Soil Extract Volume:	(uI	د) Soil Aliquot Vol	ume: (uL)
	/m7	.,	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
100-42-5	Styrene	1.0	U
	Bromoform	1.0	U
	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
	1,3-Dichlorobenzene	1.0	Ŭ
	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	Ū
120-82-1	1,2,4-Trichlorobenzene	1.0	ַ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	Ū
	Cyclohexane	1.0	Ū
	Methyl acetate	1.0	U
	Methylcyclohexane	1.0	U



\* Wet Chemistry \*

#### REPORT NARRATIVE

Spectrum Analytical, Inc. Featuring Hanibal Technology, RI Division.

Client: Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: K1669

SM 2340B, SM 4500 H+ B

# I. SAMPLE RECEIPT

No exceptions or unusual conditions were encountered unless a Sample Condition Notification Form, or other record of communication is included with the Sample Receipt Documentation.

# II. HOLDING TIMES

# A. Sample Preparation:

All samples were prepared within the method-specified holding times.

# B. Sample Analysis:

All samples were analyzed within the method-specified holding times.

#### III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 2340B, SM 4500 H+ B

#### IV. PREPARATION

Aqueous Samples were prepared following procedures in laboratory test code: SW3005

## V. INSTRUMENTATION

The following instrumentation was used to perform

Instrument Code: OPTIMA3

Instrument Type: ICP

Description: Optima ICP-OES Manufacturer: Perkin-Elmer

Model: 4300 DV

Instrument Code: WC01 Instrument Type: Probe Description: pH Meter

Manufacturer: Thermo Electron Corporation

Model: Orion 520A+

#### VI. ANALYSIS

#### A. Calibration:

Calibrations met the method/SOP acceptance criteria.

#### B. Blanks:

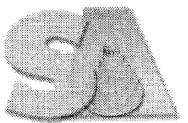
All method blanks were within the acceptance criteria.

# C. Samples:

No unusual occurrences were noted during sample analysis.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum, both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

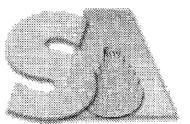
Signed:	(dud Of John	
Date:	9/28/11	



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

# Data Flag/Qualifiers:

- U Not Detected. This compound was analyzed-for but not detected. For most analyses the reporting limit (lowest standard concentration) is the value listed. For Department of Defense programs, this is the Limit of Detection (LOD).
- J This flag indicates an estimated value due to either
  - the compound was detected below the reporting limit, or
  - estimated concentration for Tentatively Identified Compound
- B This flag indicates the compound was also detected in the associated Method Blank. The B flag has an alternative meaning for Inorganics analyses reported using CLP ILM-type metals forms, indicating a "trace" concentration below the reporting limit and equal to or above the detection limit.
- D For Organics analysis, this flag indicates the compound concentration was obtained from a secondary dilution analysis
- This flag indicates the compound concentration exceeded the Calibration Range. The E flag has an alternative meaning for Inorganics analyses reported using CLP metals forms, indicating an estimated concentration due to the presence of interferences, as determined by the serial dilution analysis.
- P This flag is used for pesticides/PCB/herbicide compound when there is a greater than 40% difference for detected concentration between the two GC columns used for primary and confirmation analyses. This difference typically indicates an interference, causing one value to be unusually high. The lower of the two values is generally reported on the Form 1, and both values reported on the Form 10.
- A Used to flag semivolatile organic Tentatively Identified Compound library search results for compounds identified as aldol condensation byproducts.
- N Used to flag results for volatile and semivolatile Organics analysis Tentatively Identified Compounds where an analyte has passed the identification criteria, and is considered to be positively identified. For Inorganics analysis the N flag indicates the matrix spike recovery falls outside of the control limit.
- \* For Inorganics analysis the \* flag indicates Relative Percent Difference for duplicate analyses is outside of the control limit.



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# Sample ID Suffixes

- DL Diluted analysis. The sample was diluted and reanalyzed. The DL may be followed by a digit if more than one diluted reanalysis is provided. The DL suffix is not attached to an analysis initially performed at dilution, only to reanalyses performed at dilution
- RE Reanalysis. Appended to the client sample ID to indicate a reextraction and reanalysis or a reanalysis of the original sample extract.
- RA Reanalysis. Appended to the laboratory sample ID indicates a reanalysis of the original sample extract.
- RX Reextraction. Appended to the laboratory sample ID indicates a reextraction of the sample.
- MS Matrix Spike.
- MSD Matrix Spike Duplicate
- DUP Duplicate analysis
- SD Serial Dilution
- PS Post-digestion or Post-distillation spike. For metals or inorganic analyses

# Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

09/23/2011

Client: Ecology and Environment Engineering P.C.

Client Sample ID: INFLUENT

Lab ID: K1669-01

Project: Mr. C's Dry Cleaning

Collection Date: 09/07/11 9:30

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SM 2340B HARDNESS by Calculation				SM2340_W
Hardness, Ca/Mg (As CaCO3)	520	4.0 mg/L CaCO3	1 09/15/2011 9:03	61528
SM 4500 H+ B pH VALUE		•		SM4500_H+
pH	6.9	1.0 S.U.	1 09/08/2011 11;55	R61163

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

# Attachment C Summary of Site Utility Costs and Projections January to December 2011

# Spectrum Analytical, Inc. Featuring Hanibal Technology -- Rhode Island Division

09/23/2011

Client: Ecology and Environment Engineering P.C.

Client Sample ID: EFFLUENT

Lab ID: K1669-02

Project: Mr. C's Dry Cleaning

Collection Date: 09/07/11 10:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SM 2340B HARDNESS by Calculation				SM2340_W
Hardness, Ca/Mg (As CaCO3)	530	4.0 mg/L CaCO3	1 09/15/2011 9:06	61528
SM 4500 H+ B pH VALUE		-	-	SM4500_H+
pH	8,3	1,0 \$.U.	1 09/08/2011 11:57	R61163

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Costs   Statute   Statut	May 2011   Feb 2011   May 2011	Utility Budget:   Everyone   Ev	Jun-2011   Feb-2011   Mar-2011	String   S	Utility Budget:   Electric   Signoro	Utility Budget: Bechric School   Utility Budget: Bechric School	Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs	1='	Treatme	ent Utility Costs								ATTAC	ATTACHMENT C
State   Stat	Telephone   Signor   Telephone   Signor   Telephone   Signor   Signor   Telephone   Signor	Transphore: Septical Control of Apr-2011   Mar-2011	State   Stat	Strangeria   Feb-2011   War-2011   May-2011   May-201	String   S	Section   Feb-2011	NYSDEC Work Assignment #DC13.02.01.01	02.01.01							Utility Budg		Electric:	\$25,800.00	
State   Stat	State   September   Septembe	State   September   Septembe	State   Stat	State   Stat	Strate   Control   Contr	\$\$\text{\$\	12 Months of System Operation and Maintenance	Maintenance	ance								Telephone:	\$540.00	
St. 108-372   St. 1467-2011   May-2011   M	\$1,000.011   F-0b-2011   Mar-2011	St.   100-2011   Mar-2011   Mar	Si   100	\$1,055.72 \$ 1,057.70 \$ 1,105.10 \$ 1,105.20 \$ 1,102.30 \$ 1,005.30 \$	\$1,055.72 \$ 1,057.70 \$ 1,105.40 \$ 1,112.30 \$	State   Stat	September 2011 Report					=					Gas	\$720.00	
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\$ 147.40 \$ 2465.43 \$ 207.47 \$ 1,0435 \$ 1,104.35 \$ 1,1075.90 \$ 1,07	\$ 1407.40 \$ 485.43 \$ 207.47 \$ 5 104.35 \$ 1112.33 \$ 1417.40 \$ 485.43 \$ 207.47 \$ 5 1144.38 \$ 1580.34 \$ 1112.33 \$ 408.18 \$ 1.04.2011 \$ 0.04.2	\$147.40 \$ 485.43 \$ 2.07.47 \$ \$ 104.35 \$ 1,112.33 \$ 1,112.33 \$ 1,133.24 \$ 1,133.34 \$ 1,112.33 \$ 1,133.24 \$ 1,075.90 \$ 1,07	\$ 1,433.21 \$ 2,184.13 \$ 1,144.38 \$ 1,144.38 \$ 1,112.33 \$ 1,112.33 \$ 1,112.33 \$ 1,112.33 \$ 1,112.33 \$ 1,1075.90 \$ 1	\$ 1,833.2 \$ 2,188.13 \$ 1,899.34 \$ 1,144.38 \$ 1,983.34 \$ 1,112.33 \$ 2,188.13 \$ 1,989.34 \$ 1,144.38 \$ 1,989.34 \$ 1,112.33 \$ 2,188.13 \$ 1,989.34 \$ 1,144.38 \$ 1,989.34 \$ 1,112.33 \$ 2,188.13 \$ 1,975.90 \$ 1,075.90 \$	\$ 1,474 6 \$ 465.43 \$ 207.47	\$ 1,233.21 \$ 2,074.7 \$ 1,00.30  \$ 1,133.21 \$ 2,10.43  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,10.23  \$ 1,00.20  \$	06-311-11-002616-26 002700.DC13.02.01. 01 Mr. C's Electric Costs		dr. C's Electric Cos	sts		1,672.70				l ſ			
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Jui-2011         Aug-2011         Sep-2011         Oct-2011         Nov-2011         Dec-2011         Ave-Min           \$1,294.64         \$ 1,075.90         \$ 1,	Sult   Aug-2011   Sap-2011   Oct-2011   Nov-2011   Dec-2011   Dec-2011   Sult	State   Aug. 2011   Sep. 2011   Nov. 2011   Dec. 2011   Aug. 2011   Sep. 2011   Sep. 2011   Nov. 2011   Dec. 2011   Sep. 2011   Sep. 2011   Nov. 2011   Dec. 2011   Sep. 2011   Sep. 2011   Sep. 2011   Nov. 2011   Sep. 2011   Sep. 2011   Sep. 2011   Nov. 2011   Sep. 201	Single   Aug-2011   Sep-2011   Oct-2011   Dec-2011   Dec-2011   Aug-2011   Aug-2011   Aug-2011   Aug-2011   Aug-2011   Aug-2011   Aug-2011   Aug-2011   Sep-2011   Aug-2011   Sep-2011   Aug-2011   Sep-2011   Aug-2011   Aug-2011   Sep-2011   Aug-2011	String   Aug. 2011   Sep-2011   Oct. 2011   Duc. 2011   Duc. 2011   Aug. IM   Aug. IM   Sep-2011   Sep-2011   Oct. 2011   Duc. 2011   Sep-2011   Sep-2011   Aug. 2011   Sep-2011   Aug. 2011   Sep-2011   Aug. 2011   Sep-2011   Aug. 2011   Sep-2011   Oct. 2011   Dec. 2011   Dec. 2011   Aug. 201	State   Aug 2011   Sep 2011   Oct-2011   Nov 2011   Dec 2011   Sep 2011   Oct-2011   Nov 2011   Dec 2011   Sep 2011   Oct-2011   Nov 2011   Dec 2011   Sep 2011   Oct-2011   Nov 2011   Sep 2011   Oct-2011   Oct-2011   Sep 2011   Oct-2011   Oct-2011   Oct-2011   Sep 2011   Oct-2011   O	\$1,294.54 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,075.90 \$ 1,005.90 \$				Totals		2,158.13			1				
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\$1,642.69 \$ 1,075.90 \$ 1,484.80 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	\$ 1,075.00 \$ 1,484.80 \$	\$ \$13,075.81   Sep-2011   Aug-2011   Aug-2011   Sep-2011   Out-2011   Out-2011   Sep-2011   Out-2011   Out-2011   Sep-2011   Out-2011   Out-201	\$ 1,075.00 \$ 1,484.00 \$ -	\$ 1,075.50 \$ 1,484.00 \$	\$ 1,075.00 \$ 1,095.00 \$	\$1,642.69 \$ 1,075.90 \$ 1,484.50 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ 5 -	Mr. C's Natural Gas Costs	Mr. C's Natural Gas (	Vir. C's Natural Gas (	Costs									
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