

ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER

368 Pleasant View Drive, Lancaster, New York 14086 Tel; 716/684-8060, Fax: 716/684-0844

November 10, 2010

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 October 2010 Operations, Maintenance, and Monitoring Report

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide the October 2010 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) on September 17, 2010 are provided as <u>Attachments B and C</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 D</u>.

In review of the on-site treatment system operations, monitoring and maintenance for October 2010, 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 9/28, 10/5, 10/12, 10/19, 10/25, and 11/2/10.
- Based on the weekly inspection results performed by IEG, the remedial treatment system had a 94.29% operational up-time (<u>Table 1</u>) for October 2010 and the treatment of contaminated groundwater totaling of 502,911 gallons (<u>Table 2</u>).
- The operational downtime of 48 hours was a result of cleaning the on-site air stripping unit.
- The analytical samples for the monthly compliance were taken on October 5, 2010 and October 12, 2010 as a result of before and after cleaning of the air stripper unit. The sampling results were received by EEEPC on October 25, 2010 and November 1, 2010.
- Excerpts from the Analytical Data packages for the sampling events are presented in Attachments B and C.

- A review of the analytical data from October 5, 2010 revealed the influent concentration to be 736.4 ug/L or 736.4 ppb, and 0.78 ug/L or 0.78 ppb of treated effluent. The summary of influent and effluent contaminant concentrations for the October 5, 2010 sampling event is presented in Table 4.
- The air stripping unit was taken apart and cleaned on October 6 and 7, 2010, Field report of the teardown and cleaning operations is provided in <u>Attachment E</u>.
- A second sample was taken after cleaning the air stripper for compliance purposes on October 12, 2010. The analytical results indicated compliance issues were encountered for Tetrachloroethylene at 16 ug/L. Corrective actions were performed on the treatment equipment and additional analytical monitoring will be performed in early November 2010.
- Overall cleanup efficiency for the contaminants of concern at the site during the reporting period 9/28/10 to 11/2/10 was 99.89%. 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 October 2010 is presented in Table 3.
- The Mr. C's treatment system based on the total monthly flows has effectively removed 3.06 lbs of targeted contaminants from the groundwater below the site in the month-of October 2010. The calculations and data for the month-and entire year of 2010 are presented in <u>Table 5</u>.

Agway Site Remedial Information

No current operational issues. Minor Maintenance performed by IEG.

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

- No current operational issues.
- Air sampling and maintenance review to be performed in November.

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 October 2010 and year to date are provided as <u>Attachment D.</u>

If you have questions regarding the October 2010 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 Flories	Operational Up-
(Up-time from inception to 1/5/10)	61,992.50	95.99%
January 5, 2010 - February 1, 2010	648	100.00%
February 1, 2010 - March 2, 2010	696	100.00%
March 2, 2010 - March 30, 2010	672	100.00%
March 30, 2010 - April 27, 2010	672	100.00%
April 27, 2010 - June 2, 2010	816	94.44%
June 2, 2010 - July 6, 2010	816	100.00%
July 6, 2010 - August 4, 2010	696	100.00%
August 4, 2010 - September 7, 2010	816	100.00%
September 7, 2010 - September 28, 2010	504.	100.00% [†]
September 28, 2010 - November 2, 2010	792	94.29%
November 2010		· · · · · · · · · · · · · · · · · · ·
December 2010		
Total Hours from System Startup '2/02'	69,120.50	The state of the s

Average Operational Up-time from startup =

Average Operational Up-time for 2010 =

96.26% 98.67%

NOTES:

- 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

Mr. C's Dry Gleaners Site Remediation Monthly Process Water Volumes Site #9-15-157 Table 2

Month	Avenial Postoit	- Gallons
Total - Inception to December 2009	9/5/02 - 1/5/10	109,009,157
January 2010³	1/5/10 - 2/1/10	648,852
February 2010 ³	2/1/10 - 3/2/10	672,687
March 2010 ³	3/2/10 - 3/30/10	491,152
April 2010 ³	3/30/10 - 4/27/10	228,188
May 2010 ³	4/27/10 - 6/2/2010	322,174
June 2010 ³	(2 ± 5/2/10 - 7/6/10	268,627
July 2010 ³	7/6/10 - 8/4/10	450,503
August 2010 ³	8/4/10 - 9/7/10	503,999
September 2010 ³	9/7/10 - 9/28/10	297,308
October 2010 ³	9/28/10 - 11/2/10	502,911
November 2010 ³		
December 2010 ³		
Total	Total Gallons Treated in 2010	4,386,401
110 centro	Cotal Gallons Treated To Dates	113,395,558

NOTES:

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

Mr. C's Dry Cleaners Site Remediation Site #9-15-157 Table 3

Effluent Discharge Criteria & Analytical Compliance Results

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October (Er. 2010) Fritten (Averlytter) Vertuss (Complemee Avies As Sternoer (Cleming)	15,239,73	09.7.	ND(<1.0)	ND(<1.0)	1.1	(6.1≥)CIN	16	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	2.0	NA	NA	ND(<1.0)	9.2	BR	WW.	N. C.	STATE OF THE PARTY	The second secon	NIN.	A CONTRACTOR OF THE PERSON OF	2/2		490	
Ociober S. 2010 satteent Ainbiert Wiltes - Compliance - Issonavir Sismose Cleaning	15,239,73	7.90	ND(<1.0)	ND(<1.0)	ND(<1.0)	(0:1>)QN	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	(0.1>)CIN	ND(<1.0)	ND(<1.0)	(0.1>)QN	VN.	VN.	ND(<1.0)	AVIN .	NW.			A PROPERTY OF THE PROPERTY OF	NVN	NAME OF THE PERSON OF THE PERS	S IN	N.Y.	CANA.	470	
Sludio San	pds	standard units	ig/L	ug/L	Lig/L	L/g/L	L hg/L	μg/L	μg/L	, i µg/L	T/an :	ug/L	μg/L	ng/L	ug/L	ug/L	ug/L											l/gm	
Daily.Maximing	} ∀/N	0.6-0.9	. 10	10	. 10	01	10	10	5		10	10	5 5	NA.	5	10	NA	600	7 100007			2,000	100	36-1-1-20		10.50		N/A	FEB. 25. 10 Sept. 10.
aningeyAnalyio	low	ЭH	,1 Dichloroethene	,2 Dichloroethane	sis-1,2-dichloroethene	Trichloroethene	l'etrachloroethene	Vinyl Chloride	Benzene	Ethylbenzene	Methylene Chloride	1,1,1 Trichloroethane	Toluene	Methyl-t-Butyl Ether (MTBE)	o-Xylene³	m, p-Xylene ³	Fotal Xylenes	iron kional and a series and a series and a	Alternating Control of the Control o	Compare		<u>Venigenese</u>	Silver and the second of the	Variaditums		nointibits olved (Solids and Alexanda)	Rotalistuspendedisəlids and parameter	Hardness	Gyanities breezeway

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
 - 2. 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.
- 6. Average flows based on effluent readings taken September 28, 2010 through November 2, 2010. Total gallons: 502,911 divided by 33 operating days (792 actual operating hours).
 - 9. Removed from the required analysis list by NYSDEC Region 9 in February 2005. 7. "I" indicates an estimated value below the detection limit. 8. "B" indicates analyte found in the associated blank.

40 Indicates non-compliance with the NYSDEC effluent discharge requirements NR Indicates Not Reported by Lab

Table 4

Mr. C's Dry Cleaners Site Remediation NYSDEC Site #9-15-157 October 2010 VOC Analytical Summary

		Based on th	Based on the 10/5/10 Effluent Sampling Results	ent Sampling	Results
Compound	Influent Concentration*	entration*	Effluent Concentration*	centration*	Cleanup Efficiency**
	(ng/L)	(1)	(T/3n)	L)	(%)
Acetone	ND (<50.0)	Ω	NID (<5.0)	Ω	NA
Benzene	ND (<10.0)	Ω	ND (<1.0)	n	NA
2-Butanone	ND (<50.0)	Ω	ND (<5.0)	Ω	NA
cis-1, 2-Dichloroethene	22.0	5.	(ND (<1.0)	Ω	100.00%
Methylene chloride	ND (<10.0)	n	ND (<1.0)	Ŋ	NA
Methyl tert-butyl ether (MTBE)	8.4	- -,	0.78	J	100.00%
Tetrachloroethene	0.079	7.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1	ND (<1.0)	Ω	100.00%
Toluene	ND (<10.0)	<u>D</u>	ND (<1.0)	Ω	NA
	36.0		ND (<1.0)	Ū	100.00%
Carbon Distilfide	ND (<10.0)	Ω	ND (<1.0)	Ω	NA
1,1,2 Trichloro-1,2,2-triffuororethane	ND (<10.0)	Ω	ND (<1.0)	Ω	NA
Cyclohexane	ND (<10.0)	Ω	ND (<1.0)	Ω	NA
trans-1,2-dichloroethene	ND (<10.0)	\square \square	ND (<1.0)	Ω	AN
Methylcyclohexane	ND (<10.0)	Ω	ND (<1.0)	Ω	NA
Methyl acetate	ND (<10.0)	Ω	ND (<1.0)	D	NA
Total Xylenes	ND (<10.0)	U	ND (<1.0)	n	NA
october 2010 TOTALs (in ng/L) =	736.4		0.78		%68.66

Notes:

- 1. "NA" = Not applicable
- "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 (µg/L)	Effluent VOCs (µg/L)	VOCs Removed (lbs.)
Total pounds	of VOCs removed from	n inception to Dece	mber 2009 =	國際開展的1935月30日本第四屆開展
January 2010	1/5/2010 - 2/1/2010	1420	0.00	7.69
February 2010	2/1/2010 - 3/2/2010	992	3.90	5,55
March 2010	3/2/2010 - 3/30/2010	1098	26.80	4.39
April 2010	3/30/2010 - 4/27/2010	1547	7,20	2,93
May 2010	4/27/2010 - 6/2/2010	434	0.00	1.17
June 2010	6/2/2010 - 7/6/2010	1530	0.73	3,43
July 2010	7/6/2010 - 8/4/2010	865	3.10	3.24
August 2010	8/4/2010 - 9/7/2010	858	129.90	3,06
September 2010	9/7/2010 - 9/28/2010	[清] → 1914 ²	1.30	2,26
October 2010	9/28/10 - 11/1/10	736	0.78	3.09
November 2010				
December 2010				
	of VOCs removed fro	m inception to O	ctober 2010 =	

Total pounds of VOCs removed in 2010 =

HISTORICAL NOTES:

- 1. Calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
- 2. Calculations assume that non-detect values = 0 ug/L.
- 3. 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 grains

1 gallon = 3.785 liters

Based on the Analytical Results from Each Month:

Pounds of VOCs removed calculated by the following formula:

 $(VOCs_{Influent} - VOCs_{Effluent})(ug/L) \cdot (Ig/10^6 ug) \cdot (I lb/453.5924 g) \cdot (Monthly process water)(gal) \cdot (3.785 L/gallon)$

NYSDEC Site #9-15-157

OM&M: SITE INSPECTION FORM

DATE: 28-Sep-10 ACTIVITIES:	Site Inspection	2 1
INSPECTION PERSONNEL: R. Allen	_OTHER PERSONNEL:	
WEATHER CONDITIONS:		OUTSIDE TEMPERATURE (° F): 70
ARE WELL PUMPS OPERATING IN AUTO: YES: \(\sqrt{'} \) PW-7 remains ON at a steady level 12.	NO:	If "NO", provide explanation below
PROVIDE WATER LEV	/EL READINGS ON CONTROL PA	NEL
RW-1 ON: √ OFF: 6 _ft	PW-5 ON;	OFF:
PW-2 ON: OFF: √ 6 ft	PW-6 ON:	
PW-3 ON: OFF: √ 7 ft	PW-7 ON: √	. OFF: 12 ft
PW-4 ON: OFF: √ 6ft	PW-8 ON: √	OFF: 7ft
EQUALIZATION TANK: 4 ft	Last Alarm D/T/Conditio	n: 9/10/10 Air Stripper Low Level
NOTES:		
INFLUENT FLOW RATE: 23 gpm	INFLUENT TOTALIZER READIN	G: 683,188.0 gallons
SEQUESTERING AGENT DRUM LEVEL; 26 inches		F AGENT REMAINING: 44 gailons NG PUMP PRESSURE: 3.0 psi
BAG FILTER PRESSURES: LEFT: 0	Bottom RIGHT:	Top Bottom psi
INFLUENT FEED PUMP IN USE: #1	2INFLUENT PUMP	PRESSURE: 13 psi
AIR STRIPPER BLOWER IN USE: #1 # AIR STRIPPER DIFFERENTIAL PRESSURE: 0.033	2 √ AIR STRIPPER in. H₂O DISCHARGE	
EFFLUENT PUMP IN USE: #1 #2 √ EFFLUENT FLOW RATE: 112 gpm EFFLUENT	EFFLUENT FEED PUMP	PRESSURE: 7.5 psi 60,661,011 940030 gallons
ARE BUILDING HEATERS IN USE? YES: NO	: <u> </u>	INSIDE TEMPERATURE (° F): 78
IS SUMP PUMP IN USE: YES: √ NO:	ARE ANY LEAKS PRESENT	7 YES: NO:√
WATER LEVEL IN SUMP: 7.0 in. TREATMENT	BUILDING CLEAN & ORGANIZED	? YES: <u>√</u> -NO:

NYSDEC Site #90150157

SITE INSPECTION FORM

AMPLES COLI	LECTED?	YES:	. <u> </u>	№:	Y							
		e je vrnete	San	nple ID	Time	of Samplin	J	рН	Curbidity	Temp.	Sp. Co	nd.
AIR ST	RIPPER INF	LUENT:		<u> </u>							· · · · · · · · · · · · · · · · · · ·	
AIR STI	RIPPER EFF	LUENT;	-	-								
IS THE	RE EVIDEN	CE ÓF TAI	MPERING/	VANDAL	ISM OF W	ELLS: ?	YES:		NO;	√ <u> </u>	_	•
•			WERE	MANHO	LES INSPE	CTED?	YES:	1	NO:	····	_	
×-	•	WERE	E ELECTRI	ICAL BO	XES INSPE	CTED?	YES;		NO:		<u>.</u>	
IS WATER	R PRESENT	IN ANY MA	ANHOLES	OR ELEC	CTRICAL E	OXES?	YES:		NO:	√		e.
	_						of any corre	ctive measu	es below:-			
<u> </u>	 	· · · · · · · · · · · · · · · · · · ·		· · · · · ·	· · · · · · · · · · · · · · · · · · ·	· .				<u>-</u>	. 8	
					* · · · · · · · · · · · · · · · · · · ·						AND THE P.	
	. INCLUD	E REMARK	KS & DESC	RIBE AN	IY OTHER	SYSTEM M	AINTENAN	CE PERFOI	RMED ON	MR. C's S	SITE	•
	Air Stripper			 	· · · · · · · · · · · · · · · · · · ·							
narks:	AIR STRINGER	Dimension	ns. Lengin	11 D Y	WIGHT OF	x i içiğiri i	10					
											🔾	
	Bisco Enviro									•		· · · · · · · · · · · · · · · · · · ·
										· ·		
										32		
					th 11' 6" x	Width 34" :						
	Bisco Enviro	onmental,		ets: Leng	th 11' 6" x			AIR PRI	ESSURE:		105	psi
er Actions:	Bisco Enviro	onmental,	inc. gaske	in in	th 11' 6" x	Width 34" :		AIR PRI	ESSURE:	29.5	105 psi	psi
er Actions:	SYSTEM V	ACUUM:	-21 3.5	ets: Leng	th 11' 6" x	Width 34" :	k Heigth 1"		ESSURE:	29.5		psi
er Actions: SP-1: SP-2:	SYSTEM VA	ACUUM: scfm scfm	-21 3.5 18.5	irs: Leng	th 11' 6" x	AGWAY SP-5 SP-6	0.0 1.3	scfm	ESSURE:		_psi _psi	psi
SP-1: SP-2: SP-3:	SYSTEM V > 10 0.0 0.0	ACUUM: scfm scfm	-21 3.5 18.5 17.5	in psi psi	th 11' 6" x	AGWAY	v Heigth 1"	scfm scfm	ESSURE:	> 30	_psi _psi _psi	psi
SP-1: SP-2:	SYSTEM VA	ACUUM: scfm scfm	-21 3.5 18.5	irs: Leng	th 11' 6" x	AGWAY SP-5 SP-6 SP-7	0.0 1.3 0.0	scfm scfm scfm	ESSURE:	> 30 > 30	_psi _psi _psi	psi
SP-1: SP-2: SP-3:	SYSTEM V/ > 10 0.0 0.0	ACUUM: scfm scfm scfm	-21 3.5 18.5 17.5 18.0	in psi psi psi	th 11' 6" x	AGWAY SP-5 SP-6 SP-7 SP-8	0.0 1.3 0.0	scfm scfm scfm	- - - -	> 30 > 30 > 30	psi psi psi psi	psi
SP-1: SP-2: SP-3: SP-4:	SYSTEM V/ > 10 0.0 0.0	ACUUM: scfm scfm scfm scfm	-21 3.5 18.5 17.5 18.0	in psi psi psi	th 11' 6" x	AGWAY SP-5 SP-6 SP-7 SP-8	0.0 1.3 0.0	scfm scfm scfm scfm	- - - -	> 30 > 30 > 30	psi psi psi psi	psi
SP-1: SP-2: SP-3: SP-4:	SYSTEM V > 10 0.0 0.0 INCLUDIO	ACUUM: scfm scfm scfm scfm	-21 3.5 18.5 17.5 18.0	in psi psi psi	th 11' 6" x	AGWAY SP-5 SP-6 SP-7 SP-8	0.0 1.3 0.0	scfm scfm scfm scfm	- - - -	> 30 > 30 > 30	psi psi psi psi	psi

NYSDEC Site #9-15-157

OM&M: SITE INSPECTION FORM

DATE:	5-Oct-1	10	ACTIVITIES:	Site Inspection				<u></u>
INSPECT	TION PERSONNEL	:R. Allen,	D. lyer	OTHER PERSONNEL:	Ecology & Environme	ent, Inc and A	come Construc	tion
WEATHE	R CONDITIONS:	Cloudy, cool			OUTS	IDE TEMPER	ATURE (° F):	50
	LL PUMPS OPERA PW-7 remains ON	ATING IN AUTO: at a steady level 12.	yes: <u>√</u>	NO:	If "NO", p	rovide expla	nation below	· · · · · · · · · · · · · · · · · · ·
,		PRO	VIDE WATER LEV	EL READINGS ON CON	ITROL PANEL			
RW-1	on: √	OFF:	6 ft	PW-5 ON	: OFF	:: <u>√</u> .	6	_ft
PW-2	ON:		6 ft	PW-6 ON	: OFF	: <u>√</u> .	6	_ft
PW-3	on:	OFF: √	4ft	PW-7 ON	:OFF	":	12	_ft
PW-4	ON:	OFF:	ft	PW-8 ON	: OFF	" <u> </u>	6	_ft
	EQU	JALIZATION TANK:	4ft	Last Alarm D/	T/Gondition; 9/10/10 /	AS Low Level		
•	NOTES:							
INFL	JENT FLOW RATE	. 58	3gpm	INFLUENT TOTALIZE	R READING:	846,06	9	gallons
SE	QUESTERING AG	ENT DRUM LEVEL: _	16 inches	(x 1.7=) A	MOUNT OF AGENT R	EMAINING:	27	gallons
	SEQUESTERING A	GENT FEED RATE: _	8.0 ml/min		METERING PUMP F	PRESSURE:	4.0	_psî
_ <u></u>	BAG FILTER PR	essures:	Top	Bottom 0 psi	RIGHT: 6	Тор	Bottom 0	psi
INFL	UENT FEED PUMP	IN USE: #1_	#:	2INFLUE	NT PUMP PRESSURE	: 12		_psi
AIR	STRIPPER BLOW	ER IN USE: #1_	#	2√ AIR S	TRIPPER PRESSURE	»	16.0	in. H ₂ O
AIR STE	RIPPER DIFFEREN	TIAL PRESSURE:	0.034	_in. H₂O DIS	CHARGE PRESSURE	: 	1.0	in. H₂O
EFFLU:	ENT PUMP IN USE	: #1	#2√	EFFLUENT FE	ED PUMP PRESSURE	:	7.5	_psi
EFFL	JENT FLOW RATE	; <u>113</u> gpm	EFFLUEN	TOTALIZER READING	60,757,8	386	38360	gallons
ARE B	UILDING HEATER	S IN USE? YES:	NO):	INS	SIDE TEMPER	RATURE (° F):	66
IS SI	UMP PUMP IN USE	: YES: √	NO:	ARE ANY LEAKS	PRESENT? YES	3:	МО	: <u> </u>
WATE	R LEVEL IN SUMP	: 7.0 in.		BUILDING CLEAN & OI	RGANIZED? YES	s:	NO	:

NYSDEC Site #90150157

SITE INSPECTION FORM

	Sam	ple ID T	ime of Sampling		рН	Turbidity	Temp.	Sp. Cond.	•
AIR STRIPPER INFLUENT	. <u>INF</u>		2;30P		7.44	7.04	13.6	2626	
AIR STRIPPER EFFLUENT	: EFF		2:30P		8.61	10.01	14.4	2617	
IS THERE EVIDENCE OF	TAMPERING/V	ANDALISM O	F WELLS: ?	YES:		NO:	√.	•	
,		MANHOLES IN		YES:	1	NO:			
W	ERE ELECTRIC	CAL BOXES IN	ISPECTED?	YES:	_√	NO:			
IS WATER PRESENT IN ANY	MANHOLES C	R ELECTRIC	AL BOXES?	YES:_	√	NO:			
lf yes, p	ovide manhole/	electric box ID	and description of	any correc	ctive meas	ıres below:		r	
Most MWs and UEs are cove	red with puddles	s from ongoing	rain.			<u> </u>	 	<u> </u>	
	drum into pre	sent drum. P	atched (2) holes					assembly.	
er Actions: Emptied old Redux	drum into pre	sent drum. P	eatched (2) holes Unit was much c	leaner tha				sassembly.	
er Actions: Emptied old Redu Air Stripper - disas	drum into pre	sent drum. P	Patched (2) holes Unit was much c s with J-B Weld.	leaner tha				sassembly.	-
er Actions: Emptied old Redux Air Stripper - disas Repaired dozens	drum into pre sembled unit a of corrosion l	sent drum. P and cleaned. holes in trays	Patched (2) holes Unit was much c s with J-B Weld. AGWAY	leaner tha	ın it was d	uring the p	revious dis	sassembly.	
er Actions: Emptied old Redux Air Stripper - disas Repaired dozens SYSTEM VACUUM	sembled unit a of corrosion l	sent drum. P und cleaned. holes in trays in. H₂O	Patched (2) holes Unit was much cos with J-B Weld. AGWAY	leaner tha	ın it was d	uring the pr	revious dis		asi
Air Stripper - disas Repaired dozens SYSTEM VACUUM SP-1: >10 scfm	sembled unit a of corrosion l	sent drum. Pund cleaned. holes in trays in. H ₂ O	Patched (2) holes Unit was much cos with J-B Weld. AGWAY	leaner tha	n it was d	uring the pr	29.5	100 ps	
er Actions: Emptied old Redux Air Stripper - disas Repaired dozens SYSTEM VACUUM SP-1: >10 scfm SP-2: 0.0 scf	sembled unit a of corrosion l	sent drum. P and cleaned. noles in trays in. H₂O psi psi	Patched (2) holes Unit was much cos with J-B Weld. AGWAY	0.0	AIR PI	uring the pr	29.5 >30	100 ps	
er Actions: Emptied old Redux Air Stripper - disas Repaired dozens SYSTEM VACUUM SP-1: >10 scfm SP-2: 0.0 scf SP-3: 0.0 scf	c drum into presembled unit a of corrosion late and a corrosion late and	sent drum. P und cleaned. holes in trays in. H ₂ O psi psi	Patched (2) holes Unit was much consisted with J-B Weld. AGWAY SP-5 SP-6	0.0 0.0	AIR PI	uring the pr	29.5 >30	100 ps psi psi psi	
Air Stripper - disas Repaired dozens SYSTEM VACUUM SP-1: >10 scfm SP-2: 0.0 scf SP-3: 0.0 scf SP-4: 0.0 scf	c drum into presembled unit a of corrosion la de corrosion la decenia de corrosion de corrosion la decenia de corrosion decenia de corrosion de	sent drum. P und cleaned. holes in trays in. H₂O psi psi psi psi	AGWAY SP-5 SP-6 SP-7 SP-8	0.0 0.0 0.0	AIR PI scfm scfm scfm scfm	uring the pr	29.5 >30 >30	100 ps psi psi psi psi	si
er Actions: Emptied old Redux Air Stripper - disas Repaired dozens SYSTEM VACUUM SP-1: >10 scfm SP-2: 0.0 scf SP-3: 0.0 scf SP-4: 0.0 scf	c drum into presembled unit a of corrosion in the corresponding in the corrosion in the corresponding in the corrosion in the corrosion in the corresponding in the corrosion in the corrosion in the corresponding in the correspon	sent drum. P und cleaned. holes in trays in. H₂O psi psi psi psi psi	Patched (2) holes Unit was much cos with J-B Weld. AGWAY SP-5 SP-6 SP-7	0.0 0.0 0.0	AIR PI scfm scfm scfm scfm	uring the pr	29.5 >30 >30	100 ps psi psi psi psi	51
SYSTEM VACUUM SP-1: >10 scff SP-3: 0.0 scf SP-4: 0.0 scf SP-4:	c drum into presembled unit a of corrosion in the corresponding in the corrosion in the corresponding in the corrosion in the corrosion in the corresponding in the corrosion in the corrosion in the corresponding in the correspon	sent drum. P und cleaned. holes in trays in. H₂O psi psi psi psi psi	AGWAY SP-5 SP-6 SP-7 SP-8	0.0 0.0 0.0	AIR PI scfm scfm scfm scfm	uring the pr	29.5 >30 >30	100 ps psi psi psi psi	

5-Oct-10

NYSDEC Site #9-15-157

OM&M: SITE INSPECTION FORM

DATE: 12-Oct-10	ACTIVITIES:	Site Inspection	<u> </u>			
INSPECTION PERSONNEL: R. Allen		OTHER PERSON	INEL:	Caroll Plumbing		
WEATHER CONDITIONS: Partly cloudy, coo	ol			OUTSIDE TEMPER	ATURE (° F):	50
ARE WELL PUMPS OPERATING IN AUTO:	YES: √	NO:		If "NO", provide expla	nation below	
PW-7 remains ON at a steady level 12.	100	i.				
PRO	VIDE WATER LEV	EL READINGS ON	N CONTROL PANE	īL		
RW-1 ON: OFF: √	6ft	PW-5	ON:	OFF: √	4	_ft
PW-2 ON: OFF: √	6 ft	PW-6	ON:	off: <u>√</u>	4	_ft
PW-3 ON: OFF: V	3 ft	PW-7	on:	OFF:	12	_ft
PW-4 ON: OFF: \(\)	ft	PW-8	on:	OFF:	5	_ft
EQUALIZATION TANK:	ft ′	Last Ala	arm D/T/Condition:	10/9/10 Air Stripper Lov	w Level .	
NOTES:						
		,				
INFLUENT FLOW RATE: 15	5gpm	INFLUENT TOTA	ALIZER READING:	940,597	7.0	gallons
SEQUESTERING AGENT DRUM LEVEL:	15 inches	(x 1.7=)	AMOUNT OF	AGENT REMAINING:	25.5	gallons
SEQUESTERING AGENT FEED RATE:			METERINO	G PUMP PRESSURE:	4.0	psi
	Тор	Bottom		Тор	Bottom	
BAG FILTER PRESSURES:	LEFT: 0	0 psi	RIGHT:	6	0	_psi
INFLUENT FEED PUMP IN USE: #1	#2	2	IFLUENT PUMP PF	RESSURE:	12	_psi
AIR STRIPPER BLOWER IN USE: #1		2 √	AIR STRIPPER PR	RESSURE:	4.0	in. H₂O
AIR STRIPPER BLOWER IN USE: #1_ AIR STRIPPER DIFFERENTIAL PRESSURE:		in. H ₂ O	DISCHARGE PI	,	1.0	in. H ₂ O
AIR STRIFFER DIL FERENTIAL FRESSORL.						
EFFLUENT PUMP IN USE: #1	#2 11 1	- .	NT FEED PUMP PI		0.8	_psi
EFFLUENT FLOW RATE: 113 gpm	EFFLUEN)	T TOTALIZER REA	ading: 6	0,814,985	9636	gallons
ARE BUILDING HEATERS IN USE? YES:):	، قدة المدا المداركين <u>المداركين المداركين المداركين المداركين المداركين المداركين المداركين المداركين المداركي</u>	INSIDE TEMPER	RATURE (° F):	65
, IS SUMP PUMP IN USE: YES: √	NO:	ARE ANY L	EAKS PRESENT?	YES:√	. NO	:
	TREATMENT	BUILDING CLEAN	V & ORGANIZED?	YES: <u>√</u>	. NO	:

NYSDEC Site #90150157

SITE INSPECTION FORM

		, The second	·					12-	Oct-10
SAMPLES COLLECTED?	YES: √	_ NO:				~L(dib.)	Tomp	Sp. Cond.	
		Sample ID	Time of Sampling		рН	Turbidity	Temp.	Sp. Conu.	
AIR STRIPPER INFLU	JENT:	INF	11:30 AM		7.61	7.13	14.6	2669	
AIR STRIPPER EFFLU	JENT:	EFF	11:30 AM	:	8.5	1550	14.7	2640	
				·		NO:	- -		
IS THERE EVIDENCE				YES:	<u> </u>	NO:	<u></u>		
		ERE MANHOLE		YES:_ YES:	- 1	NO:	 .		
		CTRICAL BOXE		YES:		NO:			
IS WATER PRESENT IN			(ID and description of	_	tive measu	. -			
ır y	ss, provide ma	imole/electric box	(ID and description of	u,,, u,,,,,					
									
INCLUDE	REMARKS & E	DESCRIBE ANY	OTHER SYSTEM MA	NTENANO	CE PERFO	RMED ON	MR. C'S SI	TE *	•
Remarks: Reduced Jeso	o pump sligh	tly to: Left 2.0; F	Right 0.8.	·				 	
Air Stripper is	corroded thro	ough and was pa	atched in dozens of p	laces. Se	everal slov	w leaks per	sist.		
Other Actions: Repaired dam	aged drum cr	art.							
			ket was split open a	the sid <u>e.</u>	Replaced	d it with a n	ew heavy	duty basket.	
			gged horizontal pip						
L Mail - Ologi	eu danous	et, oldal da pilla	9900 110112	~1.=1					
			AGWAY						
SYSTEM VAC	:UUM:	-22 in F	l₂O		AIR PF	RESSURE: .		120 p	si
SP-1: > 10	scfm4.	<u>0</u> psi	SP-5	0.0	scfm		28.5	psi	
SP-2: 0.0	scfm 6.	<u>0</u> psi	SP-6	0.0	scfm		> 30	psi	
SP-3: 0.0	scfm 6.	0 psi	SP-7	0.0	scfm		> 30	psi	
SP-4: 0.0	scfm 6.		SP-8	0.0	scfm		> 30	psi	
			OTHER SYSTEM MA	INTENANO	CE PERFO	ORMED ON	AGWAY S	ITE	
Remarks: Drained (2) ga	als from SVE	drum.							_
		<u> </u>		,		, ;	· · ·	•	
Other Actions:			1 5						
		<u> </u>	·						

NYSDEC Site #9-15-157

OM&M: SITE INSPECTION FORM

DATE:	19-Oct-	10	ACTIVITIES:	Site Inspec	tion		
INSPECT	TON PERSONNEL	: R. Allen		OTHER PERS	ONNEL:	p	
WEATHE	R CONDITIONS:	Partly cloudy, coo	<u> </u>			OUTSIDE TEMPE	RATURE (° F):50
	LL PUMPS OPERA	aTING IN AUTO: at a steady level 6.	YES: 1	NO:		If "NO", provide expla	anation below
•		PROV	IDE WATER LEV	EL READINGS	ON CONTROL PA	NEL	
RW-1	ON:	_ OFF:√	8 ft	PW-5	ON:	OFF:	6ft
PW-2	ON:	OFF:	6ft	PW-6	ON:	OFF:	ft
PW-3	ON:	_ OFF: <u>√</u> _	4ft	PW-7	ON:	OFF:	7 ft
PW-4	ON:	OFF:	<u>8</u> ft	PW-8	on: <u>√</u>	OFF:	6 - ft
	EQU	JALIZATION TANK:	4 ft	Las	t Alarm D/T/Conditio	n: 10/13/10 Air Stripper L	ow Level
INFLU	JENT FLOW RATE	: 10	gpm	INFLUENT TO	OTALIZER READIN	ig: 1,128,25	6.0 gallons
		ENT DRUM LEVEL;	6 inches	(x 1.		PF AGENT REMAINIÑG: ING PUMP PRESSURE:	10 gallons 4.0 psi
	BAG FILTER PR	essures:	Top	Bottom ps	i RIGHT:	Тор 14	Bottom 0 psi
INFL	JENT FEED PUMP	IN USE: #1	#:	2	INFLUENT PUMP	PRESSURE:	psi
	STRIPPER BLOW	_	0.018			PRESSURE:	4.0 in. H ₂ O 1.3 in. H ₂ O
1	ENT PUMP IN USE	**	#2	EFFL T TOTALIZER F	UENT FEED PUMP	PRESSURE:	9.5 psi 207820 gallons
ARE B	UILDING HEATER	s in use? Yes:_	√_ NO):		INSIDE TEMPE	RATURE (° F): 63
IS S	UMP PUMP IN USE	:: YES: √	NO:	ARE AN	/ LEAKS PRESENT	77 YES:	NO:√
WATE	R LEVEL IN SUMF	?: 7.0 in,	TREATMENT	BUILDING CL	AN & ORGANIZEL	o? YES:	NO:

NYSDEC Site #90150157

SITE INSPECTION FORM

	, <u></u>						- <u>Oct</u>
MPLES COLLECTED? YES:	NO: <u>√</u>						
	Sample ID Time	of Sampling	• рН	Turbidity	Temp.	Sp. Cond.	
AIR STRIPPER INFLUENT:							
AIR STRIPPER EFFLUENT:	· :-						
IS THERE EVIDENCE OF TAMPERII	NG/VANDALISM OF WI	ELLS: 7 YE	s:	NO:	\checkmark		
	ERE MANHOLES INSPE		s: √	NO:		_	
WERE ELEC	TRICAL BOXES INSPE	CTED? YE	s:	NO:		_	
IS WATER PRESENT IN ANY MANHOL	ES OR ELECTRICAL B	BOXES? YE	s:	NO:_	√	, i	
•	hole/electric box ID and o		orrective meas	ures below:		\$	
-							
			<u>-</u>				
r Actions:	· .				·		
		··		- <u>-</u> -			
			<u> </u>				
		AGWAY	410.0			30	nei
	-22in. H ₂ O			RESSURE:	20.0		psi
SP-1: > 10 scfm 3.5	-22 in. H₂O psi	SP-50.0	scfm			psi	psi
SP-1: > 10 scfm 3.5 SP-2: 0.0 scfm 13.5	psi psi	SP-5 0.0 SP-6 0.0	scfm		> 30	_psi	psi
SP-1: > 10 scfm 3.5 SP-2: 0.0 scfm 13.5 SP-3: 0.0 scfm 13.0	psi psi psi	SP-5 0.0 SP-6 0.0 SP-7 0.0	scfm scfm	- -	> 30 > 30	psi psi psi	psi
SP-1: > 10 scfm 3.5 SP-2: 0.0 scfm 13.5	psi psi psi	SP-5 0.0 SP-6 0.0	scfm	- -	> 30	psi psi psi	psi
SP-1: > 10 scfm 3.5 SP-2: 0.0 scfm 13.5 SP-3: 0.0 scfm 13.0	psi psi psi psi	SP-5 0.0 SP-6 0.0 SP-7 0.0 SP-8 0.0	scfm scfm scfm	- - - -	> 30 > 30 > 30	_psi _psi _psi _psi	psi
SP-1: > 10 scfm 3.5 SP-2: 0.0 scfm 13.5 SP-3: 0.0 scfm 13.0 SP-4: 0.0 scfm 13.0	psi psi psi psi psi	SP-5 0.0 SP-6 0.0 SP-7 0.0 SP-8 0.0	scfm scfm scfm	- - - -	> 30 > 30 > 30	_psi _psi _psi _psi	psi
SP-1: > 10 scfm 3.5 SP-2: 0.0 scfm 13.5 SP-3: 0.0 scfm 13.0 SP-4: 0.0 scfm 13.0 INCLUDE REMARKS & DI	psi psi psi psi psi	SP-5 0.0 SP-6 0.0 SP-7 0.0 SP-8 0.0	scfm scfm scfm	- - - -	> 30 > 30 > 30	_psi _psi _psi _psi	psi
SP-1: > 10 scfm 3.5 SP-2: 0.0 scfm 13.5 SP-3: 0.0 scfm 13.0 SP-4: 0.0 scfm 13.0 INCLUDE REMARKS & DI	psi psi psi psi psi psi psi	SP-5 0.0 SP-6 0.0 SP-7 0.0 SP-8 0.0 SYSTEM MAINTEN	scfm scfm scfm scfm	- - - -	> 30 > 30 > 30	_psi _psi _psi _psi	psi

NYSDEC Site #9-15-157

OM&M: SITE INSPECTION FORM

DATE: 25-Oct-10	ACTIVITIES:	Site Inspectio	<u>n</u>			
INSPECTION PERSONNEL: R. Allen		OTHER PERSOI	NNEL:	AMERET		
WEATHER CONDITIONS: Cloudy, rain, war	rm			OUTSIDE TEMPER	RATURE (° F):68	
ARE WELL PUMPS OPERATING IN AUTO: PW-10 is ON at a steady level 10.	YES: √	NO:	. <u></u> If	"NO", provide expla	nation below	
PRO	OVIDE WATER LEV	EL READINGS OI	N CONTROL PANEL			
RW-1 ON: OFF: √	6ft	PW-5	ON:	OFF:	ft	
OFF: √	5_ft	PW-6	ON:	off:√	3ft	
PW-3 ON: √ OFF:	ft	PW-7	ON:	off: <u>√</u>	ft	
PW-4 ON: OFF:	ft	PW-8	ON:	OFF:	ft	
EQUALIZATION TANK: _ NOTĖS:	4 ft	Last Al	arm D/T/Condition: 1	0/13/10 Air Stripper L	ow Level	
		<u> </u>				
INFLUENT FLOW RATE: 2	3gpm	INFLUENT TOTA	ALIZER READING:	1,301,08	4.0 gallon	ns .
SEQUESTERING AGENT DRUM LEVEL:	33 inches	(x 1.7=) AMOUNT OF A	GENT REMAINING:	55 gallon	ns
SEQUESTERING AGENT FEED RATE:	4.0 ml/min		METERING	PUMP PRESSURE:	3.0 psi	
BAG FILTER PRESSURES:	Top LEFT: 0	Bottom 0 psi	RIGHT:	Top 6	Bottom 0 psi	
INFLUENT FEED PUMP IN USE: #1	#2	2	IFLUENT PUMP PRI	ESSURE:	12 psi	
AIR STRIPPER BLOWER IN USE: #1	#2	2 <u>√</u>	AIR STRIPPER PRI	ESSURE:	4.0 in. H ₂	0
AIR STRIPPER DIFFERENTIAL PRESSURE:	0.017	in. H ₂ O	DISCHARGE PRI	ESSURE:	1,3 in. H ₂ i	o
EFFLUENT PUMP IN USE: #1	#2 <u>√</u>	EFFLUE	NT FEED PUMP PRI	ESSURE:	10.5 psi	
EFFLUENT FLOW RATE: 104 gpm	EFFLUEN1	TOTALIZER REA	ADING: 61	,027,820	312510 gallor	ns
ARE BUILDING HEATERS IN USE? YES:	NO	:		INSIDE TEMPE	RATURE (° F):	72
IS SUMP PUMP IN USE: YES:√	NO:	ARE ANY L	EAKS PRESENT?	YES:	NO:	
WATER LEVEL IN SUMP: 7.0 in.	TREATMENT	BUILDING CLEA	N & ORGANIZED?	YES:	NO:	

NYSDEC Site #9-15-157

OM&M: SITE INSPECTION FORM

DATE: 2-Nov-10	ACTIVITIES:	Site Inspection	<u></u>			
INSPECTION PERSONNEL: R. Allen		OTHER PERSONNEL:				
WEATHER CONDITIONS: Sunny, cool			outs	DE TEMPER	RATURE (° F):	38
ARE WELL PUMPS OPERATING IN AUTO:	YES: √	NO:	lf "NO", p	rovide expla	nation below	
PW-8 remains ON at a steady level 13.						
PRO	VIDE WATER LEV	EL READINGS ON CONT	TROL PANEL			
RW-1 ON: OFF:	7 ft	PW-5 ON:	OFF	:	7	.ft
PW-2 ON: √ OFF:	7_ft	PW-6 ON:	OFF	:	4	,ft
PW-3 ON: OFF:	<u>6</u> ft	PW-7 ON:	OFF	: <u> </u>	7	.ft
PW-4 ON: OFF:	ft	PW-8 ON:	√ OFF	:	13	ft
EQUALIZATION TANK: _	. 4ft	Last Alarm D/T	/Condition: 10/13/10	Air Stripper L	ow Level	,,,,
NOTES:						
				4 500 00		- -
INFLUENT FLOW RATE: 35	gpm	INFLUENT TOTALIZER	READING:	1,528,98		gallons
SEQUESTERING AGENT DRUM LEVEL:	22 inches	(x 1.7=) AM	IOUNT OF AGENT R	EMAINING:	37.5	gallons
SEQUESTERING AGENT FEED RATE:	6.0 ml/min		METERING PUMP P	RESSURE:	4.0	_psi
	Top	Bottom		Top	Bottom	
BAG FILTER PRESSURES:	LEFT: 0	0 psi	RIGHT:	6	0	_psi
INFLUENT FEED PUMP IN USE: #1	#:	2INFLUEN	IT PUMP PRESSURE	:	12	psi
AIR STRIPPER BLOWER IN USE: #1	- 	2 √ AIR ST	RIPPER PRESSURE	:	6.0	′in. H₂O
AIR STRIPPER DIFFERENTIAL PRESSURE:	0.02		CHARGE PRESSURE	:	1.3	in. H₂O
			D PUMP PRESSURE	_	11.5	 psi
EFFLUENT PUMP IN USE: #1	#2 <u>\</u>	EFFLUENT FEE T TOTALIZER READING:			<u> </u>	gallons
EFFLUENT FLOW RATE: 108 gpm	EI 1 LOCIVI					
ARE BUILDING HEATERS IN USE? YES:	√ NO	: 	INS	IDE TEMPE	RATURE (° F):	55
IS SUMP PUMP IN USE: YES: √	NO:	ARE ANY LEAKS F	PRESENT? YES	s:	, NO	:
WATER LEVEL IN SUMP: 6.0 in.	TREATMENT	BUILDING CLEAN & OR	GANIZED? YES	s: <u>√</u>	NO:	:

NYSDEC Site #90150157

SITE INSPECTION FORM

		Sample ID	Time of Sampling		рН	Turbidity	Temp.	Sp. Cond.
		Jampie in	, ma or wamping					•
AIR STRIPPER	INFLUENT:	INF	10:30 AM	_	7 <u>.61</u>	7.51	11.1	
AIR STRIPPER	EFFLUENT:	_ <u>EFF</u>	10:30 <u>AM</u>		7.42	8.51	11.6	2580
IS THERE EVIL	DENCE OF TAMPER	RING/VANDAL	ISM OF WELLS: ?	YES:_		NO:	√	
	и	/ERE MANHO	LES INSPECTED?	YES:		NO:		
	WERE ELE	CTRICAL BOX	XES INSPECTED?	YES:_		NO:		
IS WATER PRESE	NT IN ANY MANHO	LES OR ELEC	TRICAL BOXES?	YES:		NO:	√	
v.	If yes, provide ma	nhole/electric b	oox ID and description of a	апу соптес	tive meas	ures below:		
<u> </u>		-	 	_				
INCL	UDE DEMARKS & I	DESCRIBE AN	Y OTHER SYSTEM MAI	NTENANO	CE PERFO	ORMED ON	MR. C's SI	TE WALES
-	•							
marks. All Sulp	per exhaust pipe le	aka (* i gar).	<u> </u>					
emarks: Air Strip	per extraust pipe re	and (1 gary.				<u>.</u>		
	per extraust pipe le	are (Tigary.						
	per extraust pipe ie	ako (* 1 gar).						
	рег ехпаизтріре ге	ako (
	per exitaust pipe te	aka (+ gai).						
	per exitaust pipe te	aro (Tgar).						
	per exitatist pipe te	ano (Tigar).	AGWAY					
ther Actions:						RESSURE:		
her Actions:			AGWAY			RESSURE:		
systel	M VACUUM:	-23 in	AGWAY ı. H₂O		AIR P	RESSURE:		 ,
syster	M VACUUM:scfm	-23 in	AGWAY ı. H₂O SP-5		AIR Pr	RESSURE:		psi
SYSTER SP-1: SP-2:	M VACUUM:scfm	-23 in psi	AGWAY 1. H ₂ O SP-5 SP-6		AIR Pi	RESSURE:		psi
SYSTE SP-1: SP-2: SP-3: SP-4:	M VACUUM: scfm scfm scfm scfm	-23 in psi psi psi psi	AGWAY SP-5 SP-6 SP-7 SP-8		AIR Posefm scfm scfm scfm	RESSURE:		psi psi psi psi
SYSTEI SP-1: SP-2: SP-3: SP-4:	M VACUUM: scfm scfm scfm scfm	-23 in psi psi psi psi	AGWAY SP-5 SP-6 SP-7 SP-8	NTENANO	AIR Prosection section	RESSURE:	AGWAY SI	psi psi psi psi
### SYSTEM SP-1: SP-2:	M VACUUM: scfm scfm scfm scfm	-23 in psi psi psi psi	AGWAY SP-5 SP-6 SP-7 SP-8 IY OTHER SYSTEM MAIL otor on compressor. Be	NTENANO	AIR Prosection section	RESSURE:	AGWAY SI	psi psi psi psi

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

OM&M: PIEZOMETER WATER LEVEL LOG

Date:	27-Oc	t-10	Measuremen	ts taken by:	R. A	llen	· 	
RW-1	17.60 ft	Comments:		PW-5	14.90 ft	Comments:		
PZ-1A	ft	Comments:	car parked over	PZ-5A	10.90 ft	Comments:		
PZ-1B	11.12 ft	Comments:		PZ-5B	11.12 ft	Comments:		
PZ-1C	12.66 ft	Comments:		PZ-5C	10.73 ft	Comments:		
PZ-1D	12.75 ft	Comments:		PZ-5D	11.55 ft	Comments:		
PW-2	19.70 ft	Comments:		PW-6	17.80 ft	Comments:		
PZ-2A	 11.28 ft	Comments:		PZ-6A	12.03 ft	Comments:		
PZ-2B	11.62 ft	Comments:		PZ-6B	11.91 ft	Comments:		
PZ-2C	11.07 ft	Comments:		PZ-6C	12.11 ft	Comments:		
MW-7	11.63 ft	Comments:	Substitute for 2D	PZ-6D	11.78 ft	Comments:	Showi	as RW-2 on map
PW-3	18.90 ft	Comments:		PW-7	18.40 ft	Comments:		
PZ-3A	11.78 ft	- Comments:	Jan 1900 - Jan	MPI-6S	11.60 ft	Comments:		
PZ-3B	11.86 ft	Comments:		PZ-7B	11.91 ft	Comments:		·
PZ-3C	12.32 ft	Comments:		OW-B	11.68 ft	Comments:		
PZ-3D	11.85 ft	Comments:		PZ-7D	11.51 ft	Comments:		
PW-4	ft	Comments:	sealed cover	PW-8	15.60 ft	Comments:		
PZ-4A	 11.91 ft	Comments:		PZ-8A	8.55 ft	Comments:		
PZ-4B	11.30 ft	Comments:		PZ-8B	8.57 ft	Comments:		
PZ-4C	ft	Comments:	damaged	PZ-8C	8.10 ft	Comments:		
PZ-4D	10.83 ft	Comments:		PZ-8D	8.40 ft	Comments:		
		PUI	MPS IN OPERATION	DURING MEA	SUREMENTS	3		
RW-1	pump on? $$	Yes	No	PW-5	oump on?	Yes	$\sqrt{}$	No
PW-2	ритр оп?	Yes	√ No	PW-6 1	oump on?	Yes		No -
PW-3	pump on? $\sqrt{}$	Yes	No	PW-7 (oump on? \	Yes		No

No

Yes

PW-8 pump on?

No

PW-4 pump on?

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - 10/2010

DATE	ACTIVITY
2-Oct	OM&M end of month summaries
4-Oct	OM&M office work. Record Air Stripper exhaust demensions. Get bids on exhaust replacement.
5-Oct	OM&M Weekly Inspection. Prepare to disassemble Air Stripper.
6-Oct	Disassemble Air Stripper and clean.
7-Oct	Assemble Air Stripper. Repair corrosion holes. Clean Treatment Room.
8-Oct	OM&M office work. Inspect and repair Air Stripper corrosion holes.
9-Oct	Inspect and repair Air Stripper.
10-Oct	Inspect Air Stripper. Pour decanted Air Stripper cleaning water into system.
12-Oct	OM&M Weekly Inspection and sampling. Repaired damaged drum cart.
13-Oct	Change bag filters. Clean Treatment Room.
14-Oct	Draw plan for effluent pipe braces. Research hardware.
15-Oct	PW-7 - replace pump and purge horizontal lines.
19-Oct	OM&M Weekly Inspection. Disassemble and clean out condensate valve.
25-Oct	OM&M Weekly Inspection.
27-Oct	Piezometer Readings.
· 28-Oct	OM&M office work

Mr. C's CLEANERS OM&M SUMMARY OF FIELD ACTIVITIES BY IEG - 10/2010

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Blower #1 - replace starter motor (contactor)	The contactor is defective for this motor. Replace the unit.	Jul-10
Blower #2 - replace starter motor (contactor)	The contactor is defective for this motor. Replace the unit.	Jul-10
Influent Pump #2 - replace starter	The contactor is defective for this motor. Replace the unit.	Jul-10
Fix Leak in Influent Pipe	A leak started in the Redux fitting in the Influent Pipe. Replace corroded fitting.	Jul-10
Sump pump pipe disconnects	The sump pump pipe was not cemented onto the fitting at the Equalization Tank. Cement the loose pipe back onto the fitting.	Jul-10
Champion Compressor Maintenance	Change oil and air filter.	Jul-10
Champion Compressor not running	Diagnose problem to the electric motor. Remove and take to S&S Electric for repair. Motor is burned up and not worth repairing. Replaced motor.	Aug-10
Air Stripper readings are high	Clean air stripper trays: Brushed trays through access ports, pressure washed trays through ports.	Sep-10
Schedule Air Stripper Disassembly	Trays need to be periodically disassembled so that built up scale can be brushed off with power tools.	Oct-10
Repair holes in Air Stripper	The Air Stripper trays are corroded through in dozens of places. Some holes are near the rubber gaskets so as to make a welding repair impossible. Patch holes with J-B Weld.	Oct-10
PW-7 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	Oct-10
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
Service Compressor	Champion Machinery reveals compressor is a 1992 model. Compressor pump needs service, including a valve kit.	in progress
PW-4 Well Repair and Level	Asphalt around PW-4 well has sunk, due to collapse of corroded inner ring. Replace inner	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 Automatic Tank Drain Valve (ATDV)	and repair. Have purchased rebuild kit.	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
Purge PW-5	Inspect, purge well, clean pump, plastic pipe and transducer. Trouble shoot problems.	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
Repair Filter Basket	The handle loop on a filter basket broke. Weld handle back in place.	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
Repaired Filter Basket splits	An old bag filter basket that was repaired once has split open down its side. Order (2) more of the heavy duty filter baskets from Rosedale Products.	in progress
PW-8 Well Pump not cycling down	The well pump stays on and the water level does not drop. Horizontal line could be plugged. Inspect and clean well pump and transducer. Purge horizontal line.	in progress

Attachment B Analytical Report from Mitkem Laboratories

Analytical Data Package Work Order ID: J1938

Sampled: October 5, 2010 Received: October 25, 2010

Analytical Data Package for Ecology & Environment Engineering, P.C. (EEEPC)

Client Project No.: Mr. C's Dry Cleaners Site (Compliance)

Mitkem Work Order ID: J1938 October 25, 2010

Prepared For:

Ecology & Environment Engineering P.C. 368 Pleasantview Drive Lancaster, NY 14086

Attn: Mr. Michael Steffan

Prepared By:

Mitkem Laboratories 175 Metro Center Boulevard Warwick, RI 02886 (401) 732-3400 Sample Transmittal Documentation

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175 Mefro Center Boulevard • Warwick. RI 02886-1755 • 401-732-3400 • Fax 401-732-3499 • www.mitkem.com

MITKEM LABORATORIES

Sample Condition Form

Page ! of

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Client Project:	Mr. C	Compliance		,,,	Client		YE.				Soil Headspace or
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* Volatiles *

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

CLIENT	SAMPLE	NO.
INFLUE	NT	

Lab Name: MITKEM LABOR	ATORIES		Contract:		
Lab Code: MITKEM	Case No.:	J1938	Mod. Ref No.:	SDG No.: SJ1938	
Matrix: (SOIL/SED/WATER	R) WATER		Lab Sample ID:	J1938-01A	
Sample wt/vol: 5.	00 (g/mL)	ML	Lab File ID:	V2L8842.D	
Level: (TRACE/LOW/MED)	LOW .		Date Received:	10/06/2010	·
% Moisture: not dec.			Date Analyzed:	10/13/2010	
GC Column: DB-624	ID:	0.25 (mm)	Dilution Factor:	10.0	·
Soil Extract Volume:		(uL)	Soil Aliquot Vol	ume:	(uL)
Purae Volume: 5.0	-	(mL)			

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µg/L	Q
75-71-8	Dichlorodifluoromethane		Ü
	Chloromethane	10	Ū
	Vinyl chloride	10	U
	Bromomethane	10	ט
	Chloroethane	10	Ü
75-69-4	Trichlorofluoromethane	10	ַ ט
	1,1-Dichloroethene	10	ט
67-64-1		50	U
	Carbon disulfide	. 10	ט
	Methylene chloride	. 10	U .
156-60-5	trans-1,2-Dichloroethene	10	Ū
	Methyl tert-butyl ether	8.4	J
75-34-3	1,1-Dichloroethane	10	ט
	2-Butanone	50	Ū
	cis-1,2-Dichloroethene	22	<u></u>
	Chloroform	10	U
	1,1,1-Trichloroethane	10	U .
	Carbon tetrachloride	10	ū
	1,2-Dichloroethane	10	ם
	Benzene	10	U
	Trichloroethene	36	<u> </u>
	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	10	Ū
	cis-1,3-Dichloropropene	10	Ū
	4-Methyl-2-pentanone	50	Ü
108-88-3		10	U
	trans-1,3-Dichloropropene	. 10	Ū
	1,1,2-Trichloroethane	10	ט
127-18-4	Tetrachloroethene	670	<u> </u>
	2-Hexanone	. 50	U
124-48-1	Dibromochloromethane	10	Ū
106-93-4	1,2-Dibromoethane	10	Ü
	Chlorobenzene	10	Ū
	Ethylbenzene	10	U
	Xylene (Total)	10	ַ ט

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

CLIENT	SAMPLE	NO.
INFLUE	NT	

Lab Name: MITKEM LABORATORIES	Contract:
Lab Code: MITKEM Case No.: J1938	Mod. Ref No.: SDG No.: SJ1938
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID: J1938-01A
Sample wt/vol: 5.00 (g/mL) ML	Lab File ID: V2L8842.D
Level: (TRACE/LOW/MED) LOW	Date Received: 10/06/2010
% Moisture: not dec.	Date Analyzed: 10/13/2010
GC Column: DB-624 ID: 0.25 (mg) Dilution Factor: 10.0
Soil Extract Volume: (u)) Soil Aliquot Volume: (uL)
Purge Volume: 5.0 (ml)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/1	L Q
100-42-5	Styrene	10	Ü
	Bromoform	1.0	Ü
	Isopropylbenzene	10	<u> U</u>
	1,1,2,2-Tetrachloroethane		Ü
	1,3-Dichlorobenzene	. 10.	Ü
106-46-7	1,4-Dichlorobenzene	10	Ū
	1,2-Dichlorobenzene	10	Ü
96-12-8	1,2-Dibromo-3-chloropropane	10	n.
	1,2,4-Trichlorobenzene	10	Ü
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
	Cyclohexane	10	Ū
	Methyl acetate	10	U
	Methylcyclohexane	10	U

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

CLIENT	SAMPLE	NO.
EFFLUE	TK	
		٠,
		- 1

Lab Name: MITKEM LABOR	ATORIES			Contract:	,
Lab Code: MITKEM	Case No.:	J1938		Mod. Ref No.:	SDG No.: SJ1938
Matrix: (SOIL/SED/WATER	k) WATER			Lab Sample ID:	J1938-02Å
Sample wt/vol: 5.	00 (g/mL)	ML		Lab File ID:	V2L8846.D
Level: (TRACE/LOW/MED)	LOW			Date Received:	10/06/2010
% Moisture: not dec.				Date Analyzed:	10/13/2010
GC Column: DB-624	ID:	0.25	(mm)	Dilution Factor:	1.0
Soil Extract Volume:		,	_ (uL) _	Soil Aliquot Vol	ume: (uL)
Purge Volume: 5.0	•		(mL)		

		CONCENTRATION UNI	TS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	μG/L	Q
75-71-8	Dichlorodifluoromethane		1.0	Ū
	Chloromethane		1.0	U
	Vinyl chloride		1.0	Ū
	Bromomethane		1.0	U
	Chloroethane		1.0	U
	Trichlorofluoromethane		1.0 .	U
	1,1-Dichloroethene		1.0	Ū
	Acetone		3.3	J
	Carbon disulfide		1.0	U
	Methylene chloride		1.0	Ü
	trans-1,2-Dichloroethene		1,0	U
	Methyl tert-butyl ether		0.78	J
75-34-3	1,1-Dichloroethane		1.0	ַ ַ ַ
	2-Butanone		5.0	Ū
	cis-1,2-Dichloroethene		1.0	ט
	Chloroform		1.0	Ū
71-55-6	1,1,1-Trichloroethane		1.0	Ū
	Carbon tetrachloride		1.0	Ū
	1,2-Dichloroethane		1.0	Ü
	Benzene		1.0	U
79-01-6	Trichloroethene		1.0	ט
	1,2-Dichloropropane		1.0	ט
	Bromodichloromethane		1.0	U
	cis-1,3-Dichloropropene		1.0	Ū
	4-Methyl-2-pentanone		5.0	Ū.
	Toluene		1.0	บ
10061-02-6	trans-1,3-Dichloropropene		1.0	U
	1,1,2-Trichloroethane		1.0	Ü
	Tetrachloroethene		1.0	U
	2-Hexanone		5.0	ט
	Dibromochloromethane		1.0	ט
	1,2-Dibromoethane		1.0_	Ü
	Chlorobenzene		1.0	U
	Ethylbenzene		1.0	Ū
	Xylene (Total)		1.0	Ū

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

CLIENT	SAMPLE	NO.
EFFLUE	NT	

Lab Name: MITKEM LABOR	RATORIES		Contract:	
Lab Code: MITKEM	Case No.:	J1938 .	Mod. Ref No.:	SDG No.: SJ1938
Matrix: (SOIL/SED/WATER	R) WATER		Lab Sample ID:	J1938-02A
Sample wt/vol: 5.	.00 (g/mL)	ML	Lab File ID:	V2L8846.D
Level: (TRACE/LOW/MED)	TOM .		Date Received:	10/06/2010
% Moisture: not dec.			Date Analyzed:	10/13/2010
GC Column: DB-624	ID:	0.25 (mm)	Dilution Factor:	1.0
Soil Extract Volume:		(uL)	Soil Aliquot Vol	ume: (uL)
Purge Volume: 5.0		(mL)		

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
100-42-5	Styrene	1.0	Ū
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	Ū
79-34-5	1,1,2,2=Tetrachloroethane	1.0	Ü
	1,3-Dichlorobenzene	1.0	Ü
	1,4-Dichlorobenzene	1.0	U
	1,2-Dichlorobenzene	1.0	U
	1,2-Dibromo-3-chloropropane	1.0	U
	1,2,4-Trichlorobenzene	1.0	Ū
	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	Ü
	Cyclohexane	1.0	บ
	Methyl acetate	1.0	ַ ט
	Methylcyclohexane	1.0	U

Attachment C Analytical Report from Mitkem Laboratories

Analytical Data Package Work Order ID: J1993 Sampled: October 12, 2010

Received: November 1, 2010

REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client: Ecology and Environment Engineering P.C.

-Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: J1993

SW846 8260C

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

V. INSTRUMENTATION

The following instrumentation was used to perform

Instrument Code: V2

Instrument Type: GCMS-VOA
Description: HP5890 II / HP5972

Manufacturer: Hewlett-Packard

Model: 5890 / 5972

GC Column used: 30 m X 0.25 mm ID [1.40 um thickness] DB-624 capillary column.

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. Spikes:

1. Laboratory Control Spikes (LCS):

Percent recoveries for lab control samples were within the QC limits with the following exceptions. Please note that most test procedures allow for several compounds outside of the QC limits for the LCS, although this may indicate a bias for this specific compound.

LCSD-55009 in batch 55009, Percent Recovery is outside QC Limits, recovery is below criteria for 1,1,2-Trichloroethane at 71% with criteria of (75-125), 1,2-Dibromoethane at 79% with criteria of (80-120)

2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):

No client-requested MS/MSD analyses were included in this SDG.

E. Duplicate sample:

No client-requested laboratory duplicate analyses were included in this SDG.

F. Internal Standards:

Internal standard peak areas were within the QC limits.

G. Dilutions:

No sample in this SDG required analysis at dilution.

H. 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 Mitkem, 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:	KChin
Date:	10/28/10

REPORT NARRATIVE

Mitkem Laboratories, a Division of Spectrum Analytical, Inc.

Client: Ecology and Environment Engineering P.C.

Project: Mr. C's Dry Cleaning

Laboratory Workorder / SDG #: J1993

SM 4500 H+ B, SM2340

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. Please note that pH analysis was performed as soon as possible following sample receipt at the laboratory. This occurred approximately 25 hours from sample collection.

III. METHODS

Samples were analyzed following procedures in laboratory test code: SM 4500 H+ B and SM2340.

IV. PREPARATION

V. INSTRUMENTATION

The following instrumentation was used to perform

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

Manufacturer: Thermo Electron Corporation

Model: Orion 520A+

Instrument Code: OPTIMA2
Instrument Type: ICP

Description: Optima 3100 XL Manufacturer: Perkin-Elmer

Model: 3100 XL

VI. ANALYSIS

	_			•
Α.	Ca	U	rai	ion:

Calibrations met the method/SOP acceptance criteria.

B. Blanks:

All method blanks were within the acceptance criteria.

C. Duplicate sample:

Relative percent differences were within the QC limits.

D. 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 Mitkern, 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:

Sample Transmittal Documentation

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MITKEM LABORATORIES

Sample Condition Form

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Received By: C.A.	Reviewed By	/: \} r	J	Date	didio	Mitke	m Wc	rk Ord	er#: َ\	51993
	30000			Clien	t: EN	3,				Soil Headspace or
	<u> </u>				Prese	rvatio	n (pH))	VOA	Air Bubble ≥
		Lab Samp	le ID	HNO ₃	H₂SO₄	HCI	NaOH	H ₃ PO₄		1/4"
1) Cooler Sealed	Yes No	J1993	01						}+	
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		7 12,22	00							7
2) Custody Seal(s)	Present Absent			-						
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O) Occasion of the Control Normalism	(1)									7
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5) Cooler Temperature	6,00					· · · · · · · · · · · · · · · · · · ·	/			
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6) Airbill(s)	CLIESEID YDSEIIC		 	<u> </u>		7				
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T) 0 D	Intact / Broken / Leaking		17							
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8) Date Received	10/13/10		ļ			_				,
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* Volatiles *

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

CLIENT	SAMPLE	NO	٠.
INFLUE	NT	:	

Lab Name: MITKEM LABOR	ATORIES		Contract:	
Lab Code; MITKEM	Case No.:	J1993	Mod. Ref No.:	SDG No.: SJ1993
Matrix: (SOIL/SED/WATER	R) WATER		Lab Sample ID:	J1993-01A
Sample wt/vol: 5.	00 (g/mL)	MI	Lab-File ID:	-V2L9019.D
Level: (TRACE/LOW/MED)	LOW		Date Received:	10/13/2010
% Moisture: not dec.			Date Analyzed:	10/25/2010
GC Column: DB-624	ID:	0.25 (I	mm) Dilution Factor:	5.0
Soil Extract Volume:		(1	uL) Soil Aliquot Vol	.ume: (uL)
Purge Volume: 5.0		(r	mL)	and the second s

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
	Chloromethane	5.0	Ü
	Vinyl chloride	5.0	Ü
	Bromomethane	5.0	Ū
75-00-3	Chloroethane	5.0	Ū
	Trichlorofluoromethane	5.0	Ū
	1,1-Dichloroethene	5.0	Ū
	Acetone	25	Ū
75-15-0	Carbon disulfide	5.0	U ·
	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	Ū
1634-04-4	Methyl tert-butyl ether	<u> </u>	
75-34-3	1,1-Dichloroethane	5.0	U -
78-93-3	2-Butanone	25	Ū
156-59-2	cis-1,2-Dichloroethene	24	
	Chloroform	5.0	Ū
	1,1,1-Trichloroethane	5.0	Ū
56-23-5	Carbon tetrachloride	5.0	Ü
107-06-2	1,2-Dichloroethane	5.0	Ü
71-43-2	Benzene	5.0	Ū
79-01-6	Trichloroethene	37	
	1,2-Dichloropropane	5.0	Ū
75-27-4	Bromodichloromethane	5.0	Ū
	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	25	Ū.
	Toluene	5.0	Ū
	trans-1,3-Dichloropropene	5.0	ט
79-00-5	1,1,2-Trichloroethane	5.0	ט
127-18-4	Tetrachloroethene	760	
	2-Hexanone	25	Ū
124-48-1	Dibromochloromethane	5.0	<u>ט</u>
	1,2-Dibromoethane	5.0	Ū.
108-90-7	Chlorobenzene		ט
	Ethylbenzene	5.0	U
1330-20-7	Xylene (Total)	5.0	<u></u> ע

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

	CLIENT	SAN	(PLE	N	0.
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	the second second					
Lab Name: MITKEM LABORATORIES		Contract:				
Lab Code: MITKEM Case No	.: J1993	Mod. Ref No.:	S	DG No.:	sJ1993	
Matrix: (SOIL/SED/WATER) WATER		Lab Sample ID:	J1993-01A	e se en en en en	A Company of the Comp	
Sample_wt/vol: 5.00-(g/mL)—_ML	Lab-File ID:	V2L9019-D-			
Level: (TRACE/LOW/MED) LOW		Date Received:	10/13/2010	S. Here.		
% Moisture: not dec.		Date Analyzed:	10/25/2010	•		
GC Column: DB-624 II): 0.25 (mm)	Dilution Factor:	5.0			
Soil Extract Volume:	(uL)	Soil Aliquot Vol	ume:		(1	ıL)
Purge Volume: 5.0	(mL)					
CAS NO. COMPOUND		CONCENTRATION (ug/L or ug/I	The state of the s	Q		
100-42-5 Styrene 75-25-2 Bromoform			5.0 5.0	U U	·	٠.

CAS NO.	COMPOUND	eoncentration Units: (ug/L or ug/Kg) µg/L	Q
100-42-5	Styrene	5.0	U
	Bromoform	5.0	U
		5.0	U
	1,1,2,2-Tetrachloroethane	5.0	U
	1,3-Dichlorobenzene	5.0	U
	1,4-Dichlorobenzene	5.0	Ū
	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	<u> </u>
120-82-1	1,2,4-Trichlorobenzene	5.0	U
76-13-1		5.0	n .
110-82-7	Cyclohexane	5.0	U
79-20-9	Methyl acetate		• U
	Methylcyclohexane	5.0	Ű.

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

CLIENT	SAMPLE	NO.
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Lab Name: MITKEM LABORATORIES	Contract:			
Lab Code: MITKEM Case No.: J1993	Mod. Ref No.:	SDG	No.: SJ1993	
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID:	J1993-02A	Market and the second	**** ·
Sample_wt/vol:5.00 (g/mL)ML	Lab Fila ID:	V2L9018.D		
Level: (TRACE/LOW/MED) LOW	Date Received:	10/13/2010		
% Moisture: not dec.	Date Analyzed:	10/25/2010		
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor:	1.0		3
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	((uL)
Purge Volume: 5.0 (mL)				

		- CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) μG/L	Q
75-71-8	Dichlorodifluoromethane	1.0	U
74-87-3	Chloromethane	1.0	U
75-01-4	Vinyl chloride	1.0	Ū
74-83-9	Bromomethane	1.0	- U
75-00-3	Chloroethane	1.0	Ū
75-69-4	Trichlorofluoromethane	1.0	U · ·
75-35-4	1,1-Dichloroethene	1.0	Ū
	Acetone	5.0	Ü
75-15-0	Carbon disulfide	1.0	Ü
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		it - shiring
	1,1-Dichloroethane	1.0	U
	2-Butanone	5.0	Ū
156-59-2	cis-1,2-Dichloroethene	1.1	
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	Ū
56-23-5	Carbon tetrachloride	1.0	Ū
107-06-2	1,2-Dichloroethane	1.0	ט
71-43-2	Benzene	1.0	U
79-01-6	Trichloroethene	1.2	
	1,2-Dichloropropane	1.0	Ū
	Bromodichloromethane	1.0	Ū.
	cis-1,3-Dichloropropene	1.0	Ū
108-10-1	4-Methyl-2-pentanone	5.0	Ū
108-88-3		1.0	Ū
	trans-1,3-Dichloropropene	1.0	Ü
79-00-5	1,1,2-Trichloroethane	1.0	ט
127-18-4	Tetrachloroethene	16	
	2-Hexanone	5.0	U ·
	Dibromochloromethane	1.0	Ü
	1,2-Dibromoethane	1.0	Ū
	Chlorobenzene	1.0	U
	Ethylbenzene	1.0	Ū
	Xylene (Total)	1.0	U

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

 CLIENT	SAME	ŀΈ	NO.	
EFFLUE	NT			
				.

Lab Name: MITKEM LABORATORIES	Contract:	
Lab Code: MITKEM Case No.: J1993	Mod. Ref No.:	SDG No.: SJ1993
Matrix: (SOIL/SED/WATER) WATER	Lab Sample ID:	J1993-02A
	Lab File ID:	V2L9018.D
Level: (TRACE/LOW/MED) LOW	Date Received:	10/13/2010
% Moisture: not dec.	Date Analyzed:	10/25/2010
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor:	1.0
Soil Extract Volume: (uL)	Soil Aliquot Volu	me: (uL)
Purge Volume: 5.0 (mL)		

- 4	and a state of the		GONCENTRATION-UNITS:	
	CAS NO.	COMPOUND	(ug/L or ug/Kg) µg/L	Q
	100-42-5	Styrene	1.0	U
	75-25-2	Bromoform	1.0	Ü .
	98-82-8	Isopropylbenzene (1.0	Ü .
	79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
	541-73-1	1,3-Dichlorobenzene	1.0	Ü
٠	106-46-7	1,4-Dichlorobenzene	1.0	U
- 1		1,2-Dichlorobenzene	1.0	U
į	96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
ï		1,2,4-Trichlorobenzene	1.0	U .
	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	Ū
٠.	110-82-7	Cyclohexane	1.0	Ū
er.		Methyl acetate		U
	108-87-2	Methylcyclohexane	1.0	U



* Wet Chemistry *

Mitkem Laboratories

Date: 19-Oct-10

Client: Ecology and Environment Engineering P.C.

Client Sample ID: INFLUENT

Lab ID: J1993-01

Project: Mr. C's Dry Cleaning

Collection Date: 10/12/10 13:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SM 2340 HARDNESS by Calculation				SM2340_W
Hardness, Ca/Mg (As CaCO3)	480	4.0 mg/L CaCO3	1 10/16/2010 9:34	54820
SM 4500 H+ B pH VALUE				SM4500_H+
рН	6.7	1.0 S.U.	1 10/13/2010 14:00	R52889

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: 19-Oct-10

Client: Ecology and Environment Engineering P.C.

Client Sample ID: EFFLUENT

Lab ID: J1993-02

Project: Mr. C's Dry Cleaning

Collection Date: 10/12/10 13:00

<u></u>				Th. () TD
Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
SM 2340 - HARDNESS by Calculation				SM2340_W
Hardness, Ca/Mg (As CaCO3)	490	4.0 mg/L CaCO3	1 10/16/2010 9:37	54820
SM 4500 H+ B pH VALUE				SM4500_H+
рн	7.6	1.0 S.U.	1 10/13/2010 14:05	R52889

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 D Summary of Site Utility Costs and Projections January to December 2010

Mr. C's Drv C	leaners Site	- Remedia	Mr. C's Dry Cleaners Site - Remedial Treatment Utility	y Costs							ATTAC	ATTACHMENT D
NYSDEC Work Assignment #DC13.02.01.01	rk Assignme	ent #DC13.0	12.01.01					Utility Budget:	get:	Electric:	\$25,800.00	
12 Months of	System Op	eration and	12 Months of System Operation and Maintenance							Telephone:	\$540.00	ļ
October 2010 Report	Report 1									Gas	\$720.00	
Gas, Telephone, and Electric	and Electric									Total:	\$27,060.00	
Utility Provider	Account #	E&E Cost Center	Description	Jan-2010	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010			
New York State E&G	06-311-11-002616-26	002700.DC13.02.01	96-311-11-002616-26 002700.DC13.02.01 Mr. C's Electric Costs	\$672.56	\$ 613.69	\$ 599.67	\$ 878.92	\$ 996.65	\$ 870.21			
	76-311-11-015900-18				\$ 525.65		\$445.56		\$497.79			
National Fuel Gas	5819628-05		Costs	**************************************	\$ 115.66	\$ 107.95		\$ 75.26				
			Totals	\$ 840.58	\$ 1,255.00	\$ 707.62	\$ 1,324.48	\$ 1,071.91	\$ 1,368.00			
				Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010			Ave. /Month
			Mr. C's Electric Costs	\$755.21	\$ 672.80	\$ 714.89	\$ 746.19				45	752.08
		,	Agway Electric		\$367.86		\$368.48				\$	220.53
			Mr. C's Natural Gas Costs	\$8.73	\$ 18.59	\$ 25.19	\$ 17.84				\$ 12.50	67.16
,	4.2 4.2		Totals	\$763.94	\$ 1,059.25	\$ 740.08	\$ 1,132.51	ų, v,	· •		\$	1,039.77
			Electric		\$9,726.13							
			Natural Gas		\$ 537.24				Overbilled natural gas costs - no charges	no charges		
	Grand Total - N	YSE&G/National	Grand Total - NYSE&G/National Fuel Gas Costs To Date	49	10,263.37			Estimated Reading	ading	\$ 333.44	in red -adjusted billing	oilling
Phone												
Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2010	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010			,
Verizon	716-652-0094	002700.DC13.02.01	002700.DC13.02.01. Mr. C's Telephone Costs	\$ 30.04	\$ 30.19	\$ 30.19	\$ 30.22	\$ 30.29	\$ 31.55			
Account			-			:						
716 652 0094 416 26 2		ļ										
				Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010	Malo		Ave./Month
:				\$ 33.34	\$ 44.13	\$ 30.16						\$ 32.23
		Grand Total -	Grand Total - Verizon Costs to Date	(290.11					. ;		
		H -	All 14:11:41:00 To Doto	e	40 552 49							
		Grand lotal	Grand lotal All Utilities 10 Date	-	10,333.40							
					•							
											,	
								:				

Mr. C's Dry Cleaners Site - Remedial	iners Site	- Remedia	Treatment Utility	ity Costs			No.	i			ATTA	ATTACHMENT D
NYSDEC Work Assignment #DC13	Assignme	nt #DC13					Budget Remaining:		Electric:	\$16,073.87		
12 Months of Sy	System Ope	Operation and	Maintenance		•				Telephone:	\$540.00		
October 2010 R	Report								Gas	\$182.76		
IdO	Optimum Operating Hours	Actual Operating Hours	Up-time Percentage		Comments:				Total:	\$16,796.63		
January-10	648	648	100.00%	21.4%	Cold January Cold February							
March-10	672	672	100.00%	П	No snow and little	rain in March				1		
April-10	672	816	94.44%		A Lubiellis Williams	dimin						
June-10	816	816	100.00%		Dry month Problem with Prime	7.WG a						
August-10	816	816	100.00%	П	Air Stripper issues							
September-10	504	504	100.00%	12.5%	Stripper in process for teardown and cleaning Air Stripper teardown and cleaning.	for teardown ar	id cleaning					
November-10	250	76	10/AIC#									
December-10 Totals to Date	7224	7128	98.67%								:	
* Percent Capacity is based on initial operating groundwater flows from the eight installed pumps from 9/02. Evaluated on total gallonsdischargedfor monthly operating time.	I n initial operating gr	roundwater flows from	n the eight installed pumps fr	от 9/02. Evalua	ted on total gallons	sdischargedfor n	onthly operating tim	9				
Maximum pump discharges ca	alculated as an aver	rage of 78 gpm as the	ie total for all 8 pumps at the s	ite if all pumps of	operate 100%. With	the exception of	of groundwater pump	KW-1, all o	others run on a batch basis.	patch basis.		Total Gallons
Monthly Average Costs	Costs			:			;			: : : : : : : : : : : : : : : : : : : :	l. r,	502911
Mr. C's Electric \$	752.08											
\vdash	220.53										,	
Mr. C's Gas	67.16					,,						
- -	1,072.00	times	12 month Estimate	\$13,936.03								
										١.		
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Attachment E

Field Report on the Air Stripper Cleaning and Repairs

October 6 and 7, 2010

Site Visit Report

Jan Miller

Re: Mr. C's Site Visit

Site No.: NYSDEC Site #9-15-157

To: W. Welling, NYSDEC Project Manager

From: R. Moxley, EEEPC Representative

Dated: October 6, 2010

Cc: Mike Steffan, EEEPC Project Manager CTF - 002700.DC22.02

A site visit to the Mr. C's site in East Aurora, New York was performed by Rachael Moxley (EEEPC) to observe the air stripper unit as it was taken down and cleaned. The site visit was performed on Wednesday, October 06, 2010, arriving at the site around 10:30 am and departing from the site at about 1:30 pm.

EEEPC's sub-contractor, IEG (Dharma Iyer and Rick Allen), was on-site, along with their general contractor, Acome Construction, Inc. (Jim Acome, Phil, Dan). Acome used a skid steer with a beam attachment to lift each tray of the air stripper up and out onto the paved area outside of the treatment system shed. The bottom tray had a vertical chute on one end and was propped up on the other end with a plastic drum.

IEG scraped the calcium and rust deposits and algae from the trays and scooped the water from the trays into 5-gallon buckets, which was to be transferred to 55-gallon drums. Sludge from the bottom of the air stripper was diluted with water so that it could be pumped out of the unit and into a 55-gallon drum. After the sludge in the buckets/drums settled, the supernatant would be pumped off and the sludge would be deposited in a designated plastic 55-gallon drum for disposal at a later date.

After all air stripper trays had been disassembled, work stopped for about 40 minutes for lunch. After lunch, IEG and Acome continued to pump sludge from the bottom of the air stripper unit and began to power wash the trays. Acome aims to have all trays cleaned by the end of the day.

After the air stripper is cleaned, IEG plans on opening the effluent pumps and performing any necessary cleaning. All work is expected to be complete tomorrow. Photos regarding the site are included below.

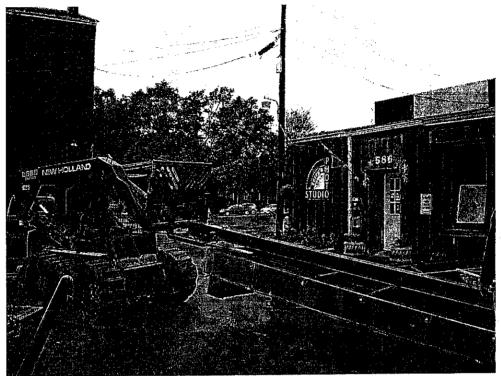


Photo 1: Air stripper tray dismantling

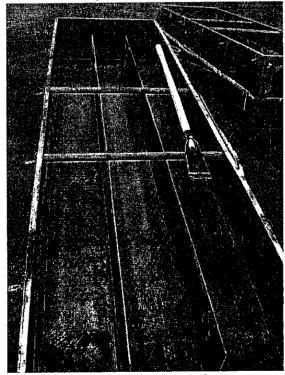


Photo 2: View of rust, calcium, and algae on top of tray



Photo 3: View of rust, calcium, and algae on bottom of tray

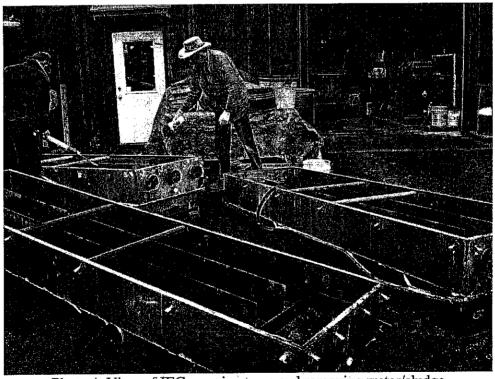


Photo 4: View of IEG scraping trays and removing water/sludge

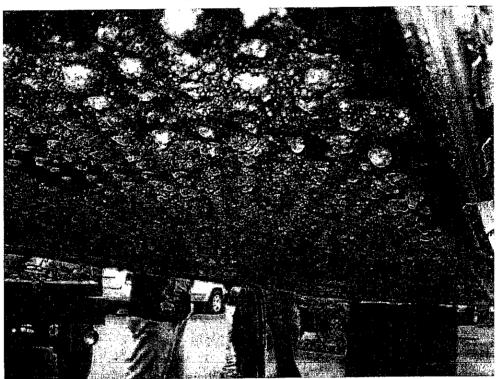


Photo 5: Closer view of rust, calcium, and algae on bottom of tray

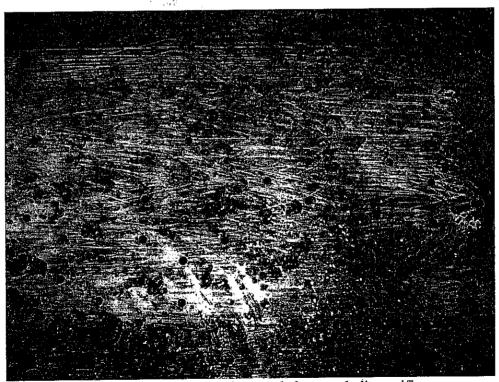


Photo 6: View of rust, calcium, and algae occluding orifices

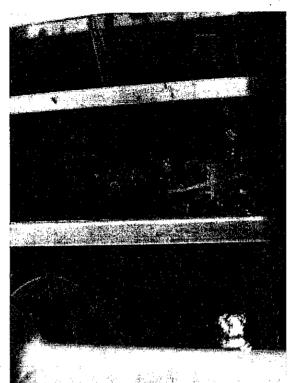


Photo 7: View of sludge and water pumped from bottom of air stripper



Photo 8: View of water/sludge being pumped to 55-gallon drums

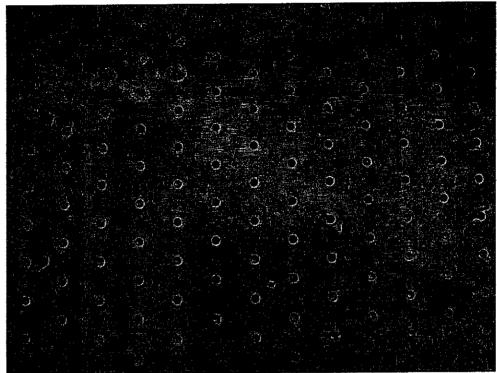


Photo 9: View of tray and orifices after some power washing, but before completely cleaned

Site Visit Report

Re: Mr. C's Site Visit

Site No.: NYSDEC Site #9-15-157

To: W. Welling, NYSDEC Project Manager

From: R. Moxley, EEEPC Representative

Dated: October 7, 2010

Cc: Mike Steffan, EEEPC Project Manager CTF - 002700.DC22.02

A site visit to the Mr. C's site in East Aurora, New York was performed by Rachael Moxley (EEPC) to observe the air stripper unit after cleaning. The site visit was performed on Thursday, October 07, 2010, arriving on site around 11:50 am and departing from the site at about 12:30 pm.

Dharma Iyer and Rick Allen (IEG) were on-site at the time of arrival. IEG reported that cleaning of the air stripper and partial reassembly was completed yesterday, while the rest of the assembly had been completed that morning again with Acome Construction, Inc.

After power washing, holes could be seen in the air stripper trays on the opposite ends of the cleaning ports. There were also holes in the joints of the trays where the walls met. IEG plans to first try to patch the holes with J B Weld.

IEG has not yet opened the effluent pumps to perform any necessary cleaning, but aims to next week. The system will be started up on Friday, October 08, 2010. Photos regarding the site are included below.

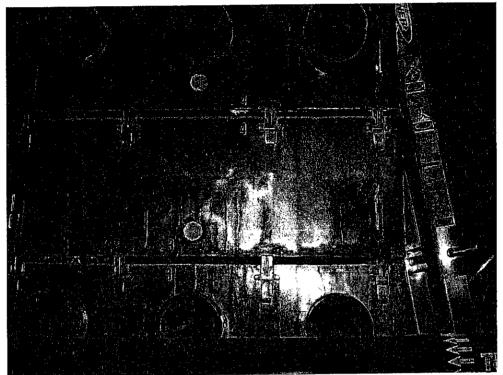


Photo 1: View of holes on the side of an air stripper tray (typical)

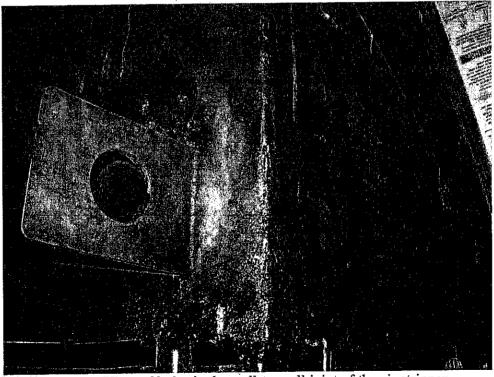


Photo 2: View of holes in the wall-to-wall joint of the air stripper

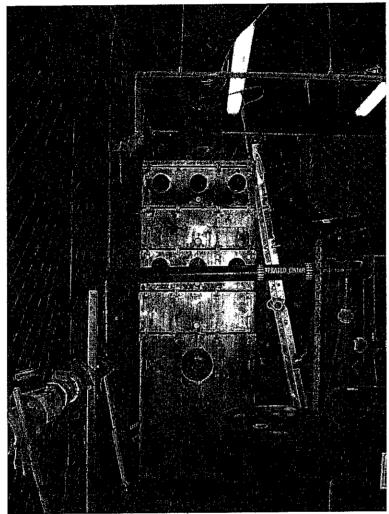


Photo 3: View of cleaned Air Stripper Unit