

PERIODIC REVIEW REPORT

Site Name and Location:	3M Facility, Tonawanda, New York
Registry Number:	915148
Order on Consent:	B9-0369-91-04
3M Project Contacts:	Justin Pettinelli (3M Corporate) Keith Held (3M Tonawanda)
NYSDEC Project Lead:	Glenn May
Reporting Period:	July 2009 to December 2009

Background

The New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision (ROD) (Registry No. 915148) for the 3M facility in Tonawanda, New York. This ROD presents the selected remedial action for the Tonawanda facility based on the site's Administrative Record and public input. Following ROD issuance, the NYSDEC reclassified the 3M Tonawanda site from "Class 3 – Does not present a significant threat to the public health or environment – action may be deferred", to "Class 4 - Site properly closed – requires continued management."

3M is implementing the selected ROD remedy, No Further Action with Monitoring, under an Order on Consent (Index # B9-0369-91-04) (Order) according to the NYSDECapproved Operation and Maintenance Work Plan (O&M Work Plan), which was made part of the Order. The original O&M Work Plan called for:

- Filing a Declaration of Covenants and Restrictions with the property deed at the Erie County Clerk's Office. This was completed and was reported in the initial progress report for the period ending March 31, 2001.
- Performing long-term groundwater monitoring. Involved semiannual sampling of site monitor wells MW-1, MW-2, MW-3, and MW-4 and annual sampling of the two site lysimeters, LY-1 and LY-2, with groundwater samples analyzed for carbon disulfide (CS₂).
- Inspecting the completed interim remedial measures (IRMs) (includes the CS_2 tank system, and the catch basin and associated swale) and maintaining the integrity of the IRMs.

Semiannual periodic review reports have been submitted by 3M to NYSDEC and these reports summarize project activities that occurred in the previous reporting periods. In



August 2005, the Five-Year Evaluation Report was submitted by 3M to NYSDEC and this report concluded that the selected remedy has been effective in meeting remediation goals outlined in the 1999 ROD and remains protective of human health and the environment. The aforementioned evaluation report also contained a recommended future course of action for the facility, including reductions in groundwater monitoring and reporting under the Order/O&M Plan.

By letter of May 18, 2006, NYSDEC provided comment on the Five-Year Evaluation Report. Based on the presence of CS_2 in the subsurface environment, NYSDEC required continued monitoring at this facility, but required only one site monitoring well (MW-4) and one site lysimeter (LY-2) be monitored for CS_2 on a semiannual basis and annual basis, respectively. According to the May 2006 NYSDEC correspondence, reporting on the maintenance of the drainage swale and associated catch basins would continue under the Order/O&M Plan; however, reporting on the continued operations, maintenance and inspection of the existing CS_2 tank system could be completed by 3M under NYSDEC's Chemical Bulk Storage Program.

This periodic review report reflects the O&M monitoring and reporting modifications agreed upon with NYSDEC. Sampling of the reduced monitoring network under the modified O&M Plan was completed in November 2009. The results from this sampling event are presented herein, along with a description of any maintenance activity conducted in the swale.

Summary of Activities Performed During the Reporting Period

The following is a summary of activities performed by 3M during the reporting period:

- Groundwater samples for CS₂ analysis were collected from monitoring well MW-4 (primary sample and duplicate sample) on November 17, 2009 in accordance with the O&M Plan modifications approved by NYSDEC. Laboratory analytical results from the November 17, 2009 sampling event are provided in this report.
- No maintenance activity was conducted in the subject drainage swale during the reporting period. Vegetation and grading in this swale are in good condition.
- The annual compliance inspection/evaluation was completed on November 18, 2009. No deficiencies were noted during the inspection.

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Groundwater Monitoring Results

Summary of Carbon Disulfide Water Analytical Results (mg/L)

	Sample ID and Result						
Sampling Date	MW-4	MW-4 Duplicate					
11/17/09	ND	ND					

Notes: ND - Not detected. The reporting limit for CS_2 is 5 μ g/L.

As noted above, CS_2 was not detected in the groundwater samples (primary and duplicate samples) collected from monitoring well MW-4 in November 2009. A copy of the analytical data package for the November 2009 sampling event is provided in Attachment A.



ATTACHMENT A LABORATORY ANALYTICAL PACKAGE NOVEMBER 2009 SAMPLING EVENT



Analytical Report

Work Order: RSK0825

Project Description 3M Tonawanda, NY - Semi-Annual Monitoring

For:

Tom Drew

Weston Solutions, Inc. - West Chester, PA 1400 Weston Way West Chester, PA 19380

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Mark Nemec Customer Service Manager mark.nemec@testamericainc.com Tuesday, December 8, 2009

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Persuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.



THE LEADER IN ENVIRONMENTAL TESTING

Weston Solutions, Inc. - West Chester, PA 1400 Weston Way West Chester, PA 19380 Work Order: RSK0825

Received: 11/17/09 Reported: 12/08/09 09:28

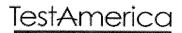
Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

TestAmerica Buffalo Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SD WA, NELAP C WA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SD WA	90029
Kentucky UST	UST	30
Louisiana *	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	N Y0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas *	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.



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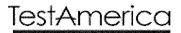
CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.



THE LEADER IN ENVIRONMENTAL HESTING

Weston Solutions, Inc. - West Chester, PA 1400 Weston Way West Chester, PA 19380 Work Order: RSK0825

Received: 11/17/09 Reported: 12/08/09 09:28

Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

DATA QUALIFIERS AND DEFINITIONS

NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

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THE LEADER IN ENVIRONMENTAL TESTING

Weston Solutions, Inc. - West Chester, PA Work Order: RSK0825 Received: 11/17/09 1400 Weston Way Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
			Sam	pled:		Recv	/d:	

THE LEADER IN ENVIRONMENTAL SEGTING

Weston Solutions, Inc. - West Chester, PA 1400 Weston Way West Chester, PA 19380

Work Order: RSK0825

Received: 11/17/09 Reported: 12/08/09 09:28

Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-04	RSK0825-01	Water	11/17/09 12:10	11/17/09 12:35	
MW-04 DUP	RSK0825-02	Water	11/17/09 12:10	11/17/09 12:35	
FB-MW-04	RSK0825-03	Water	11/17/09 11:50	11/17/09 12:35	
TRIP BLANK	RSK0825-04	Water	11/17/09 11:20	11/17/09 12:35	

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West Chester, PA 19380

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Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

Analytical Report											
Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RSK0825-01	(MW-04 - Wa	ter)			Sam	pled: 11/	17/09 12:10	Recv	/d: 11/17/09	9 12:35	
Volatile Organic Compo	ounds by EPA	8260B									
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	11/24/09 16:17	DHC	9K24017	8260B	
1,2-Dichloroethane-d4	99 %		Surr Limits:	(66-137%)			11/24/09 16:17	DHC	9K24017	8260B	
4-Bromofluorobenzene	97 %		Surr Limits:	(73-120%)			11/24/09 16:17	DHC	9K24017	8260B	
Toluene-d8	96 %		Surr Limits:	(71-126%)			11/24/09 16:17	DHC	9K24017	8260B	

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THE LEADER IN ENVIRONMENTAL FESTING

Weston Solutions, Inc. - West Chester, PA 1400 Weston Way West Chester, PA 19380

Work Order: RSK0825

11/17/09 Received: 12/08/09 09:28 Reported:

Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

Analytical Report											
Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RSK0825-02	(MW-04 DUP	- Water)			Sam	pled: 11/	17/09 12:10	Recv	/d: 11/17/09	12:35	
Volatile Organic Compo	ounds by EPA	8260B									
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	11/24/09 16:42	DHC	9K24017	8260B	
Carbon disulfide 1.2-Dichloroethane-d4	ND 96 %		5.0 Surr Limits:		ug/L	1.00	11/24/09 16:42 11/24/09 16:42		9K24017 9K24017	8260B 8260B	
				(66-137%)	ug/L	1.00		DHC			

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Weston Solutions, Inc West Chester, PA	Work Order: RSK0825	Received:	11/17/09
1400 Weston Way		Reported:	12/08/09 09:28
West Chester, PA 19380	Project: 3M Tonawanda, NY - Semi-Annual Monitoring		

Project Number: RFW

			A	nalytical F	Report					
Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSK0825-03	(FB-MW-04 -	Water)			Sam	pled: 11/	17/09 11:50	Recv	/d: 11/17/09	9 12:35
Volatile Organic Compo	unds by EPA	<u> 8260B</u>								
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	11/24/09 17:06	DHC	9K24017	8260B
1.2-Dichloroethane-d4	97 %		Surr Limits:	(66-137%)			11/24/09 17:06	DHC	9K24017	8260B
4-Bromofluorobenzene	96 %		Surr Limits:	(73-120%)			11/24/09 17:06	DHC	9K24017	8260B
Toluene-d8	94 %			(71-126%)			11/24/09 17:06	DHC	9K24017	8260B

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Weston Solutions, Inc. - West Chester, PA 1400 Weston Way West Chester, PA 19380

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Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

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			A	nalytical R	leport					
Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSK0825-04	(TRIP BLAN	K - Water)			Samı	pled: 11/	17/09 11:20	Recv	rd: 11/17/09	12:35
Volatile Organic Compo	ounds by EPA	A 8260B								
Carbon disulfide	ND		5.0	0.19	ug/L	1.00	11/24/09 17:30	DHC	9K24017	8260B
Carbon disulfide 1.2-Dichloroethane-d4	ND 		5.0 Surr Limits:		ug/L	1.00	11/24/09 17:30 11/24/09 17:30		9K24017 9K24017	8260B 8260B
				(66-137%)	ug/L	1.00		DHC		

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Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Volatile Organic Compounds	by EPA 8260B								
8260B	9K24017	RSK0825-01	5.00	mL	5.00	mL	11/24/09 08:00	JRS	5030B MS
8260B	9K24017	RSK0825-02	5.00	mL	5.00	mL	11/24/09 08:00	JRS	5030B MS
8260B	9K24017	RSK0825-03	5.00	mL	5.00	mL	11/24/09 08:00	JRS	5030B MS
8260B	9K24017	RSK0825-04	5.00	mL	5.00	mL	11/24/09 08:00	JRS	5030B MS

THE LEADER IN ENVERONMENTAL TESTING

Weston Solutions, Inc. - West Chester, PA 1400 Weston Way West Chester, PA 19380

Work Order: RSK0825

Received: 11/17/09 Reported: 12/08/09 09:28

Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

				LABORAT	ORY QC DATA					
	Source	Spike					%	% REC	% RP	
Analyte	Result	Leve	RL	MDL	Units	Result	REC	Limits	RPD Lim	it Qualifiers
Volatile Organic Compou	nds by EP/	A 8260	3							
Blank Analyzed: 11/24/09	(Lab Num	ber:9K	24017-BL	K1. Batch: 9K2	24017)					
Carbon disulfide	(5.0	0.19	ug/L	ND				
					_		07	66-137		
Surrogate: 1,2-Dichloroethane-d4 Surrogate:					ug/L ug/L		97 100	73-120		
4-Bromofluorobenzene Surrogate: Toluene-d8					ug/L		95	71-126		
LCS Analyzed: 11/24/09 (l ah Numh	or:9K2	4017-BS1	Batch: 9K240	-					
1,1,1,2-Tetrachloroethane			1.0	0.35	ug/L	24.9	100	76-122		
1,1,1-Trichloroethane		25.0	1.0	0.35	ug/L	24.3	97	73-126		
1,1,2,2-Tetrachloroethane		25.0	1.0	0.20	ug/L	24.4	98	70-126		
		25.0	1.0	0.23	ug/L	24.4	96	76-120		
1,1,2-Trichloroethane		25.0		0.23	-	24.0	90 93	60-140		
1,1,2-Trichlorotrifluoroeth ane		25.0	1.0	0.31	ug/L	23.2	93	00-140		
1,1-Dichloroethane		25.0	1.0	0.38	ug/L	24.0	96	71-129		
1,1-Dichloroethene		25.0	1.0	0.29	ug/L	23.6	94	65-138		
1,1-Dichloropropene		25.0	1.0	0.18	ug/L	24.0	96	72-122		
1,1-Dimethoxyethane			5.0	1.6	ug/L	ND				
1,2,3-Trichlorobenzene		25.0	1.0	0.41	ug/L	23.5	94	64-121		
1,2,3-Trichloropropane		25.0	1.0	0.16	ug/L	24.4	97	68-131		
1,2,3-Trimethylbenzene			1.0	0.26	ug/L	ND				
1,2,4-Trichlorobenzene		25.0	1.0	0.41	ug/L	23.2	93	70-122		
1,2,4-Trimethylbenzene		25.0	1.0	0.33	ug/L	23.4	94	76-121		
1,2-Dibromo-3-chloroprop ane		25.0	1.0	0.39	ug/L	22.2	89	56-134		
1,2-Dibromoethane (EDB)		25.0	1.0	0.17	ug/L	24.2	97	77-120		
1,2-Dichlorobenzene		25.0	1.0	0.20	ug/L	22.9	92	77-120		
1,2-Dichloroethane		25.0	1.0	0.21	ug/L	23.9	96	75-127		
1,2-Dichloroethene, Total		50.0	2.0	0.70	ug/L	47.2	94	72-124		
1,2-Dichloropropane		25.0	1.0	0.33	ug/L	23.7	95	76-120		
1,3,5-Trichlorobenzene			1.0	0.23	ug/L	ND				
1,3,5-Trimethylbenzene		25.0	1.0	0.22	ug/L	23.1	92	77-121		
1,3-Dichlorobenzene		25.0	1.0	0.36	ug/L	22.8	91	77-120		
1,3-Dichloropropane		25.0	1.0	0.21	ug/L	23.6	94	75-120		
1,3-Dichloropropene, Total		50.0	2.0	0.72	ug/L	50.4	101			
1,4-Dichlorobenzene		25.0	1.0	0.39	ug/L	22.6	91	75-120		
1,4-Dioxane			40	9.3	ug/L	ND				
2,2-Dichloropropane		25.0	1.0	0.40	ug/L	24.8	99	63-136		
2-Butanone (MEK)		125	5.0	1.3	ug/L	129	103	57-140		

TestAmerica Buffalo - 10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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THE LEADER IN ENVIRONMENTAL LESTING

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Work Order: RSK0825

Received: 11/17/09 Reported: 12/08/09 09:28

Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

			LA	BORATORY	QC DATA					
	Source	Spike	-				%	% REC	% RPD	Data
Analyte	Result	Level	RL	MDL	Units	Result	REC	Limits	RPD Limit	Qualifiers
Volatile Organic Compo	unds by EP	A 8260B								
LCS Analyzed: 11/24/09	(Lab Numb	er:9K2401	7-BS1, Bat	tch: 9K24017)						
2-Chloroethyl vinyl ether		125	5.0	0.96	ug/L	126	101	60-140		
2-Chlorotoluene		25.0	1.0	0.20	ug/L	22.8	91	76-121		
2-Hexanone		125	5.0	1.2	ug/L	132	106	65-127		
2-Methylthiophene			1.0	0.44	ug/L	ND				
3-Chlorotoluene			1.0	0.45	ug/L	ND				
3-Methylthiophene			1.0	0.53	ug/L	ND				
4-Chlorotoluene		25.0	1.0	0.37	ug/L	23.2	93	77-121		
4-Isopropyltoluene		25.0	1.0	0.31	ug/L	23.4	93	73-120		
4-Methyl-2-pentanone (MIBK)		125	5.0	0.91	ug/L	131	105	71-125		
Acetone		125	5.0	1.3	ug/L	124	99	56-142		
Acetonitrile		1000	40	19	ug/L	993	99	60-140		
Acrolein		500	20	5.5	ug/L	488	98	60-140		
Acrylonitrile		125	5.0	0.83	ug/L	126	101	63-138		
Allyl chloride			1.0	0.17	ug/L	ND		60-140		
Benzene		25.0	1.0	0.41	ug/L	23.7	95	71-124		
Bromobenzene		25.0	1.0	0.17	ug/L	23.4	94	78-120		
Bromochloromethane		25.0	1.0	0.39	ug/L	23.8	95	72-130		
Bromodichloromethane		25.0	1.0	0.39	ug/L	25.1	100	80-122		
Bromoform		25.0	1.0	0.26	ug/L	18.8	75	66-128		
Bromomethane		25.0	1.0	0.28	ug/L	24.3	97	36-150		
Carbon disulfide		25.0	1.0	0.19	ug/L	23.3	93	59-134		
Carbon Tetrachloride		25.0	1.0	0.27	ug/L	24.4	98	72-134		
Chlorobenzene		25.0	1.0	0.32	ug/L	23.0	92	72-120		
Chlorodibromomethane		25.0	1.0	0.32	ug/L	22.3	89	75-125		
Chlorodifluoromethane			1.0	0.26	ug/L	ND				
Chloroethane		25.0	1.0	0.32	ug/L	23.9	96	69-136		
Chloroform		25.0	1.0	0.34	ug/L	23.9	95	73-127		
Chloromethane		25.0	1.0	0.35	ug/L	24.1	96	49-142		
Chloroprene			1.0	0.18	ug/L	ND		60-140		
cis-1,2-Dichloroethene		25.0	1.0	0.38	ug/L	23.6	94	74-124		
cis-1,3-Dichloropropene		25.0	1.0	0.36	ug/L	25.3	101	74-124		
Cyclohexane		25.0	1.0	0.53	ug/L	23.8	95	70-130		
Cyclohexanone			10	5.9	ug/L	ND				
Dibromomethane		25.0	1.0	0.41	ug/L	24.8	99	76-127		
Dichlorodifluoromethane		25.0	1.0	0.29	ug/L	23.0	92	33-157		
Dichlorofluoromethane		• • •	1.0	0.34	ug/L	ND				
Dicyclopentadiene			1.0	0.22	ug/L	ND				

THE LEADER IN SAVIRONMENTAL RESTING

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Received: 11/17/09 Reported: 12/08/09 09:28

Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

			L/	ABORATORY					****	
	Source	Spike					%	% REC	% RPD	Data
Analyte	Result	Level	RL	MDL	Units	Result	REC	Limits	RPD Limit	Qualifiers
Volatile Organic Compo	unds by EP	A 8260B								
LCS Analyzed: 11/24/09	(Lab Numb	oer:9K2401	7-BS1. Ba	tch: 9K24017)						
Diethyl ether	,		5.0	0.13	ug/L	ND				
Epichlorohydrin			20	1.0	ug/L	ND				
Ethyl Acetate			1.0	0.16	ug/L	ND				
Ethyl Methacrylate		25.0	1.0	0.26	ug/L	23.7	95	60-140		
Ethyl tert-Butyl Ether			1.0	0.29	ug/L	ND		75-125		
Ethylbenzene		25.0	1.0	0.18	ug/L	23.6	94	77-123		
Heptane			20	0.39	ug/L	ND				
Hexachlorobutadiene		25.0	1.0	0.28	ug/L	21.9	88	62-124		
Hexane			10	1.0	ug/L	ND				
lodomethane		25.0	1.0	0.32	ug/L	20.6	82	52-151		
Isobutanol			40	20	ug/L	ND		60-140		
Isopropyl alcohol			20	6.7	ug/L	ND				
Isopropyl ether			1.0	0.17	ug/L	ND		75-125		
Isopropylbenzene		25.0	1.0	0.19	ug/L	23.1	92	77-122		
Methacrylonitrile			5.0	0.12	ug/L	ND		60-140		
Methyl Acetate		25.0	1.0	0.50	ug/L	26.8	107	60-140		
Methyl Methacrylate			1.0	0.14	ug/L	ND		60-140		
Methyl tert-Butyl Ether		25.0	1.0	0.16	ug/L	24.5	98	64-127		
Methylcyclohexane		25.0	1.0	0.50	ug/L	23.8	95	60-140		
Methylene Chloride		25.0	1.0	0.44	ug/L	23.4	94	57-132		
m-Monochlorobenzotriflu oride			1.0	0.49	ug/L	ND				
m-Xylene & p-Xylene		50.0	2.0	0.66	ug/L	47.1	94	76-122		
Naphthalene		25.0	1.0	0.43	ug/L	25.4	102	54-140		
n-Butanol			40	8.8	ug/L	ND				
n-Butylbenzene		25.0	1.0	0.28	ug/L	23.2	93	71-128		
n-Propylbenzene		25.0	1.0	0.18	ug/L	23.7	95	77-120		
o-Monochlorobenzotrifluo ride			1.0	0.50	ug/L	ND				
o-Xylene		25.0	1.0	0.36	ug/L	23.5	94	76-122		
Pentachloroethane			1.0	0.34	ug/L	ND				
p-Monochlorobenzotrifluo ride			1.0	0.21	ug/L	ND				
Propionitrile			10	1.9	ug/L	ND		60-140		
Propylene Oxide			5.0	0.60	ug/L	ND				
sec-Butylbenzene		25.0	1.0	0.30	ug/L	23.2	93	74-127		
Styrene		25.0	1.0	0.18	ug/L	24.0	96	70-130		
t-Amyl alcohol			1.0	1.0	ug/L	ND		75-125		
t-Butanol			20	3.6	ug/L	ND		75-125		

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THE LEADER IN CNVIRONMENTAL regalaqu

Weston Solutions, Inc. - West Chester, PA 1400 Weston Way

West Chester, PA 19380

Work Order: RSK0825

11/17/09 Received: 12/08/09 09:28 Reported:

Project: 3M Tonawanda, NY - Semi-Annual Monitoring Project Number: RFW

			L	ABORATORY	QC DATA						
	Source	Spike					%	% REC	%	RPD	Data
Analyte	Result	Level	RL	MDL	Units	Result	REC	Limits	RPD	Limit	Qualifiers
Volatile Organic Compo	unds by EP	A 8260B									
LCS Analyzed: 11/24/09	(Lab Numb	er:9K2401	17-BS1, Ba	tch: 9K24017)							
Tert-Amyl Methyl Ether			1.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene		25.0	1.0	0.30	ug/L	22.9	92	75-123			
Tetrachloroethene		25.0	1.0	0.36	ug/L	23.4	94	74-122			
Tetrahydrofuran		125	5.0	1.3	ug/L	124	99				
Toluene		25.0	1.0	0.51	ug/L	23.3	93	70-122			
trans-1,2-Dichloroethene		25.0	1.0	0.42	ug/L	23.6	95	73-127			
trans-1,3-Dichloropropen e		25.0	1.0	0.37	ug/L	25.1	100	72-123			
trans-1,4-Dichloro-2-bute ne		125	5.0	2.1	ug/L	124	100	38-155			
Trichloroethene		25.0	1.0	0.46	ug/L	23.6	94	74-123			
Trichlorofluoromethane		25.0	1.0	0.15	ug/L	24.0	96	62-152			
Vinyl acetate		125	5.0	0.85	ug/L	131	105	50-144			
Vinyl chloride		25.0	1.0	0.24	ug/L	23.7	95	65-133			
Xylenes, total		75.0	3.0	0.66	ug/L	70.6	94	76-122			
2-Nitropropane			5.0	0.74	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4					ug/L		96	66-137			
Surrogate: 4-Bromofluorobenzene					ug/L		103	73-120			
Surrogate: Toluene-d8					ug/L		97	71-126			

Chain of Custody Record Errors Errors Chain of Custody Record Custody Record Custody Record Custody Record Custod	Temperature on Hecept TestAmerica	DARKING Maier? Yes AD THE LEADER IN ENVIRONMENTAL TESTING	Project Manager Project Manager 11/11/09 Chain of Custopy Number 11/11/09 150500	Takeptione Nurreals (Area Cock) Fax Nurrbox (a) D, 7D1, 7302	Ap Coole Stile Contact Leo Contact Analysis (Attach list il (93 Kr Mark N/CMr, more space is neoded)	Carmer/Meybolith Nurrhoar	Matrix Containers & N Special Instructions/	ADERV SPIJ ADERV ADE V ADERV ADE V A	1-17-09 (21C) / 01/21-11											C Requisaments (Spearty)	Dup 171 201 17 21 1. Flexenged By		. Date 3. Revear fly
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DUSTRIBUTION: HAATE - Rotinged to Calent with Report CANARY . Serve with the Sandon, PANK - Fred Copy



January 12, 2010

Mr. Brian Sadowski Division of Environmental Remediation New York State Department of Environmental Conservation 270 Michigan Avenue Buffalo, New York 14203-2999

W.O. No. 02181.086.017

Re: Periodic Review Report (July 2009 to December 2009) and IC/EC Certification 3M Tonawanda, New York Facility Order on Consent # B9-0369-91-04, Site Code #915148

Dear Mr. Sadowski:

In accordance with the referenced Order on Consent (Order) and at 3M's direction, we are submitting the periodic review report for the 3M Tonawanda, NY facility for the period extending from July 2009 to December 2009.

We also have enclosed the completed Institutional and Engineering Controls Certification Form for this site.

Should you have any comments or questions, please contact me at 610-701-3677.

Very truly yours,

WESTON SOLUTIONS, INC.

Thomas A. Drew, P.G. Principal Project Manager

c:

Division of Environmental Remediation, Albany (w/o enclosure)
Director, Bureau of Environmental Exposure Investigation, Troy (w/o enclosure)
Division of Environmental Enforcement, Buffalo (w/o enclosure)
C. O'Connor - New York State Department of Health, Buffalo (w/ enclosure)
J. Pettinelli, 3M (w/ enclosure)
K. Held, 3M (w/ enclosure)
G. May, NYSDEC (w/enclosure)

an employee-owned company



Enclosure 1 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION Site Management Periodic Review Report Notice Institutional and Engineering Controls Certification Form



Si	te No.	915148	Site Details	Box 1	
Si	te Name	3M O-Cel-O Sponge Plant			
Cit Co All Sit	ty/Town: ounty: Eri owable U te Acreag vner: Mi	Use(s) (if applicable, does not add	Company. 3M		
Re	porting F	Period: December 25, 2000 to Ja	nuary 15, 2010 JANUARY	1,2009	Lo
			DECEMBEI	R 31, 2009	
		1. j. sans			Box 2
		Verifi	cation of Site Details	YES	NO
1.	Is the i	nformation in Box 1 correct?		2-rest 2 2 2 2 2 2	X
	If NO, a	are changes handwritten above or	included on a separate sheet?	X	
2.		ome or all of the site property been p amendment during this Reporting	sold, subdivided, merged, or unde g Period?	rgone a	×
		, is documentation or evidence that ted included with this certification?	t documentation has been previous	sly	
3.		iny federal, state, and/or local perm at the property during this Reporting	nits (e.g., building, discharge) beer g Period?	issued	X
		is documentation (or evidence that ted) included with this certification?	at documentation has been previou	sly □	
4.	lf use o restricti		nt use of the site consistent with the	ose X	
	If NO, is	s an explanation included with this	certification?		
5.	has any		nup Program Sites subject to ECL sumptions made in the Qualitative on are no longer valid?		
		is the new information or evidence ted included with this Certification?	that new information has been pro	eviously	
6.	are the		nup Program Sites subject to ECL posure Assessment still valid (must		
	lf NO, a	are changes in the assessment incl	luded with this certification?		

SITE NO. 915148

Description of Institutional Controls

Parcel

Institutional Control

S_B_L Image: 65.09-6-5

Landuse Restriction

Monitoring Plan

Description of Engineering Controls

Parcel S_B_L Image: 65.09-6-5 Engineering Control

Fencing/Access Control

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable. (See instructions)

Control Description for Site No. 915148

Parcel: 65.09-6-5

A No Further Action Record of Decision (ROD) was issued for this site in March 1999. A Declaration of Covenants and Restrictions was placed on the property on March 21, 2001 prohibiting the residential use of the site. The graded area surrounding the catch basins are maintained and inspected annually. Groundwater monitoring is also conducted to confirm that site conditions remain unchanged and to detect any future migration of CS2, should it occur. The site is fenced.

	Periodic Review Report (PRR) Certification Statements		
1.	I certify by checking "YES" below that:		
	 a) the Periodic Review report and all attachments were prepared under the directio reviewed by, the party making the certification; 	n of, and	d
	b) to the best of my knowledge and belief, the work and conclusions described in the are in accordance with the requirements of the site remedial program, and generally		
		X	
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for ea or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that a following statements are true:		tutional
	the Institutional Control and/or Engineering Control(s) employed at this site is unchanged ntrol was put in-place, or was last approved by the Department;	I since t	he date that the
	nothing has occurred that would impair the ability of such Control, to protect public health environment;	and	
	access to the site will continue to be provided to the Department, to evaluate the remedy aluate the continued maintenance of this Control;	, includii	ng access to
	nothing has occurred that would constitute a violation or failure to comply with the Site M ntrol; and	anagem	ent Plan for this
	if a financial assurance mechanism is required by the oversight document for the site, the sufficient for its intended purpose established in the document.	e mecha	nism remains valid
		YES	NO
		X	
3.	If this site has an Operation and Maintenance (O&M) Plan (or equivalent as required in th	e Decisi	ion Document);
	I certify by checking "YES" below that the O&M Plan Requirements (or equivalent as requirements (or equivalent as requirement) are being met.	iired in t	he
		X	
4.	If this site has a Monitoring Plan (or equivalent as required in the remedy selection docum	ient);	
	I certify by checking "YES" below that the requirements of the Monitoring Plan (or equivalent of the Monitor	ent as re	equired
	in the Decision Document) is being met.	YES	NO
		X	

IC CERTIFICATIONS SITE NO. 915148	
	Box 6
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE I certify that all information and statements in Boxes 2 and/or 3 are true. I understand th statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 2 Law.	nat a false
1 Douglas Lane at 305 Sawyer Ave, Tonau print name print business address	vanda NY
am certifying as <u>Owner</u> (Owner or F	Remedial Party)
for the Site named in the Site Details Section of this form.	
Signature of Owner or Remedial Party Rendering Certification Da	<u>176,201</u> 0 ate
IC/EC CERTIFICATIONS QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATU I certify that all information in Boxes 4 and 5 are true. I understand that a false statement punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.	
Weston Solutions, Inc. I Thomas A. Drew at 1400 Weston Way, West Chester, F	24
print name at 1400 Westori Way, West Chester, F	<u>-A</u> ,
am certifying as a Qualified Environmental Professional for the <u>Owner</u>	
(Owner or Remedial Party) for the Site named in the Site Details Section of this form.	
Signature of Qualified Environmental Professional, for the Owner or Remedial Party. Rendering Certification Stamp (if Required) Da	WUARY 12, 2010 te