STAUFFER MANAGEMENT COMPANY
MAESTRI SITE
GEDDES, NEW YORK

POST GROUNDWATER COLLECTION / TREATMENT SYSTEM SHUTDOWN

SEMIANNUAL REPORT – October 2010

Prepared for:

Stauffer Management Co.
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Wilmington, DE 19850-5437

Prepared by:

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Envirospec Engineering Project E07-102

Date Prepared: January 2011

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Introduction

This report addresses the groundwater sampling event that occurred in October 2010. The period of time covered by this report is from May of 2010 to October of 2010. This report is organized into the following sections:

- Site Background
- Groundwater Sampling
- Groundwater Quality
- Site Inspections
- Site Maintenance
- Summary

A site map showing the location of monitoring wells, recovery wells, and piezometers is attached as Figure 1.

Site Background

The groundwater treatment system at the Stauffer Management Company (SMC) Maestri Site began operation in 1996. On May 8, 2008, Envirospec Engineering, PLLC (Envirospec) submitted a request to the New York State Department of Environmental Conservation (NYSDEC) on behalf of SMC to shut down the treatment system. As stated in the request, levels of contaminants remaining in the groundwater were low, the system was no longer effective as shown by the consistency of the results, and the groundwater treatment system had achieved the goals of the ROD. NYSDEC approved this request in a letter dated May 14, 2008; the groundwater treatment system was shut down the morning of May 27, 2008.

SMC agreed to conduct weekly site inspections and monthly sampling of perimeter wells MW-2A, MW-9, PZ-4, RW-3, RW-5, RW-6, RW-7 and RW-8 for the three months following shutdown, from June to August 2008. The elevations of site wells were also monitored on a monthly basis during this time. After the three month period, sampling and reporting was conducted quarterly from November 2008 to June 2009.

In June 2009, a new monitoring well (PZ-20) was installed downgradient from the site in the Alhan Parkway residence area to verify that the groundwater contamination plume was not migrating. The location of PZ-20 is shown on Figure 2a.

Based on groundwater monitoring results, in November 2009, Envirospec requested NYSDEC approval to change the groundwater sampling frequency from quarterly to semiannual. On November 13, 2009, the NYSDEC granted approval for groundwater sampling at the Maestri site on a semiannual basis.

Groundwater Sampling – October 2010

The October 2010 groundwater sampling was conducted on October 4th and 5th, 2010. Prior to well purging, site wells were gauged for water level. A table of groundwater elevations is included as Table 1 below. A contour map of the groundwater elevations is provided as Figure 2a.

Table 1
Groundwater Elevations – October 4, 2010

Well Number	Measuring Point Elevation	Depth to Water	Groundwater Elevation
MW-9	408.87	12.7	396.17
MW-10	413.82	12	401.82
MW-12	418.28	9.5	408.78
MW-14	405.17	15.55	389.62
PZ-2	407.23	9.15	398.08
PZ-3	409.60	14.25	395.35
PZ-4	394.37	6.1	388.27
PZ-5	393.37	4.5	388.87
PZ-6	410.15	15.05	395.10
PZ-7	409.13	14.1	395.03
PZ-9	408.69	12.9	395.79
PZ-10	407.04	12.1	394.94
PZ-12	408.17	11.9	396.27
PZ-13	407.12	10.9	396.22
PZ-14	408.44	9.55	398.89
PZ-15	406.74	16.4	390.34
PZ-18	406.30	16.35	389.95
PZ-19	406.88	16	390.88
PZ-20	386.00	3.1	382.90
MW-2A (formerly RW-2)	406.40	13.55	392.85
RW-3	407.01	16.7	390.31
RW-5	409.18	13.65	395.53
RW-6	393.64	4.3	389.34
RW-7	405.76	15.35	390.41
RW-8	406.81	13	393.81

A minimum of three well volumes was purged from each of the sampled wells prior to sampling. Wells were purged with either a two (2)-inch submersible Grundfos pump and poly tubing, purged with a two (2)-inch disposable polyethylene bailer, or both. Purged water was collected and containerized in a mobile poly tank. The containerized water was brought to the Skaneateles Falls site and sent through the onsite Waste Water Treatment Plant (WWTP) for treatment. Field data, including pH, temperature, conductivity, and total dissolved solids (TDS), were recorded for approximately each well volume. A summary of the field data and the total volume of groundwater purged is presented in Table 4. Samples were collected using disposable bailers. The well sampling field reports are included as Attachment 1.

A duplicate sample was collected from RW-6 for laboratory and sampling quality assurance/quality control purposes. The result of the duplicate sample, as shown in Table 2, was within a reasonable margin of the original sample. A trip blank was placed in the sample cooler in the field and during transport to ensure no cross contamination or outside contamination was present.

Groundwater Quality

Samples were sent to Certified Environmental Services Laboratory (CES) in Syracuse, NY following typical chain of custody procedures for expedited xylene analysis via EPA Method 602. The analytical results are included as Attachment 2. A summary of results from this sampling round is presented in Table 2 below as well as in the attached Table 3. Table 3 also shows the sample results for the respective wells including results prior to system shutdown. A summary of the past five rounds of sampling is shown on Figure 2b.

Table 2
Summary of Xylene Concentration in Groundwater – October 2010

Well Number	Xylene Concentration (ppb)
MW-9	<3.0
MW-2A (formerly RW-2)	32
RW-3	< 3.0
RW-5	< 3.0
RW-6	168
RW-7	71
RW-8	< 3.0
PZ-4	< 3.0
PZ-20	< 3.0
DUP	157
TRIP	< 3.0

Figures 4 through 9 depict the xylene concentrations in recovery wells for this sampling event compared to levels noted during operation of the treatment system. In general, the xylene concentrations for this sampling round similar to concentrations noted at the site for the past few years. Levels in RW-7 were slightly elevated as compared to past events while the elevated levels previously observed in RW-6 have decreased. RW-7 will continue to be monitored with the Spring 2011 sampling event.

As discussed in Envirospec's May 8, 2008 letter, the wells selected to be sampled after shutdown present a cross section of the property and monitoring of these wells should indicate if a plume has begun to migrate after pumping has ceased. At this time, the results indicate that there is no significant plume migration.

Site Inspections

Since August 2008, site inspections were conducted during each groundwater sampling event. Items reviewed during the site inspections include site security, recovery well water elevations, general site maintenance, erosion control, condition of neighboring properties and general observations of site conditions (i.e. appearance of sink holes, odors, vegetation growth, etc). A copy of the site inspection report is included as Attachment 3.

Site Maintenance

Prior to site closure, damaged plugs and caps on monitoring wells will be repaired. Locking well caps will be installed on each monitoring well.

Summary

There were no significant flooding events during the 29 months after the shutdown. No elevated xylene concentrations were observed in the new downgradient offsite monitoring well PZ-20. The plume appeared to remain stable with no significant migration.

The next semiannual sampling and site inspection will be completed in Spring 2011. The NYSDEC will be notified two weeks prior to sampling.

TABLES

Table 3

Total Xylene Concentration (ppb)

Stauffer Management Company
Maestri Site

Sample Date	RW-1	RW-2[1]	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	MW-2A[1]	MW-9	PZ-4	PZ-20
6-Jun-06	**	****	<3.0	**	<3.0	9	102	<3.0		--	--	*****
4-Jul-06	**	****	<3.0	**	<3.0	34	130	--	665	--	--	*****
1-Aug-06	**	****	5	**	<3.0	63	90	<3.0		--	--	*****
3-Oct-06	**	****	3.3	**	<3.0	3	55	--	<3.0	--	--	*****
2-Jan-07	**	****	<3.0	**	<3.0	29	40	--	<3.0	--	--	*****
3-Apr-07	**	****	INC	**	<3.0	145	3.7	--	6.4	--	--	*****
3-Jul-07	**	****	<3.0	**	<3.0	<3.0	<3.0	--	410	--	--	*****
2-Oct-07	**	****	<3.0	**	<3.0	30	6	--	1025	--	--	*****
7-Jan-08	**	****	<3.0	**	14	52	<3.0	--	3.0	11	--	*****
1-Apr-08	**	****	22	**	<3.0	27	15	--	987	--	--	*****
Treatment System Shutdown on May 27th, 2008												
June 2008	**	****	6.1	**	<3.0	84	119	<3.0	68 (54)	964	< 3.0	*****
July 2008	**	****	4.4	**	<3.0 (< 3.0)	71	124	<3.0	1700	1800	< 3.0	*****
August 2008	**	****	4.3	**	<3.0	148	104	<3.0	1770 (1200)	1795	< 3.0	*****
November 2008	**	****	<3.0	**	<3.0	158	73	<3.0	16	73	< 3.0	*****
February 2009	**	****	<3.0	**	<3.0	590	<3.0 (< 3.0)	< 3.0	9.1	< 3.0	< 3.0	*****
June 2009	**	****	<3.0	**	<3.0	641	23	< 3.0	4635 (5070)	7830	< 3.0	<3.0
December 2009	**	****	<3.0	**	<3.0	417 (432)	169	<3.0	5780	5145	<3.0	<3.0
May 2010	**	****	<3.0	**	<3.0	862	15	<3.0	100 (122)	190	<3.0	<3.0
October 2010	**	****	<3.0	**	<3.0	168 (157)	71	<3.0	32	<3.0	<3.0	<3.0

Shaded boxes indicate result when treatment system was in operation

** - Wells No. 1 and 4 were removed as part of the excavation.
**** - RW2 changed to monitoring well MW-2A
***** - PZ-20 installed on June 24, 2009

[1] RW-2 was changed to a monitoring well (MW-2A) in April 2006

INC - Inconclusive laboratory result

Value in parentheses is duplicate sample result

Table 4

Well Field Data

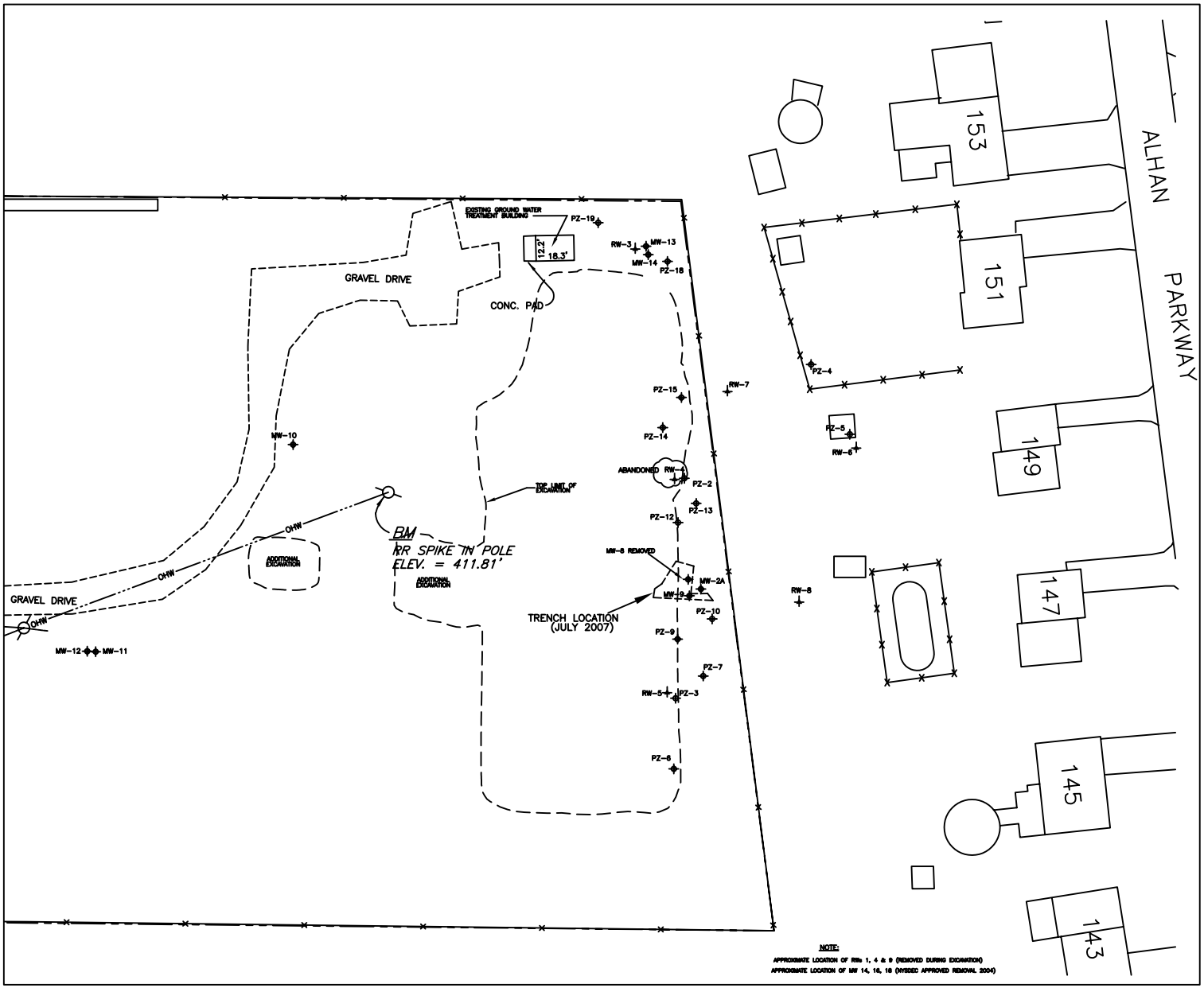
Stauffer Management Company
Maestri Site

Semiannual Groundwater Sampling – October 2010

Monitoring Well	Date Sampled	Diameter (in)	Total Well Depth (ft bgs)	Depth to Water (ft)	Water Column (ft)	Purged Volume (gal)	Final pH	Final Temp (° C)	Final Conductivity (mS/cm)	Final TDS (ppt)
MW-9	10/4/2010	2	16.6	12.7	4.9	4	6.63	14.3	0.88	0.44
MW-2A (formerly RW-2)	10/4/2010	8	20.64	13.55	9.79	78	7.30	13.3	0.97	0.48
RW-3	10/4/2010	6	25.33	16.7	9.63	44	8.54	12.0	2.61	1.31
RW-5	10/5/2010	6	24.53	13.65	11.88	54	7.05	14.4	0.69	0.34
RW-6	10/5/2010	6	21.86	4.3	14.56	80	7.99	13.8	1.57	0.78
RW-7	10/5/2010	6	27.5	15.35	13.15	60	9.50	12.1	2.51	1.25
RW-8	10/5/2010	6	24.5	13.0	12.5	56	7.07	14.8	1.02	0.51
PZ-4	10/5/2010	2	19.5	6.1	13.4	8	7.87	13.1	2.01	1.00
PZ-20	10/5/2010	2	20	3.1	16.9	10	7.20	13.8	1.18	0.58

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY	REVISED	APPROVED BY	DRAWING NUMBER
---	---	ALB	DEO 7-19-99	MRW 07/07/08	---	SUMJUL99

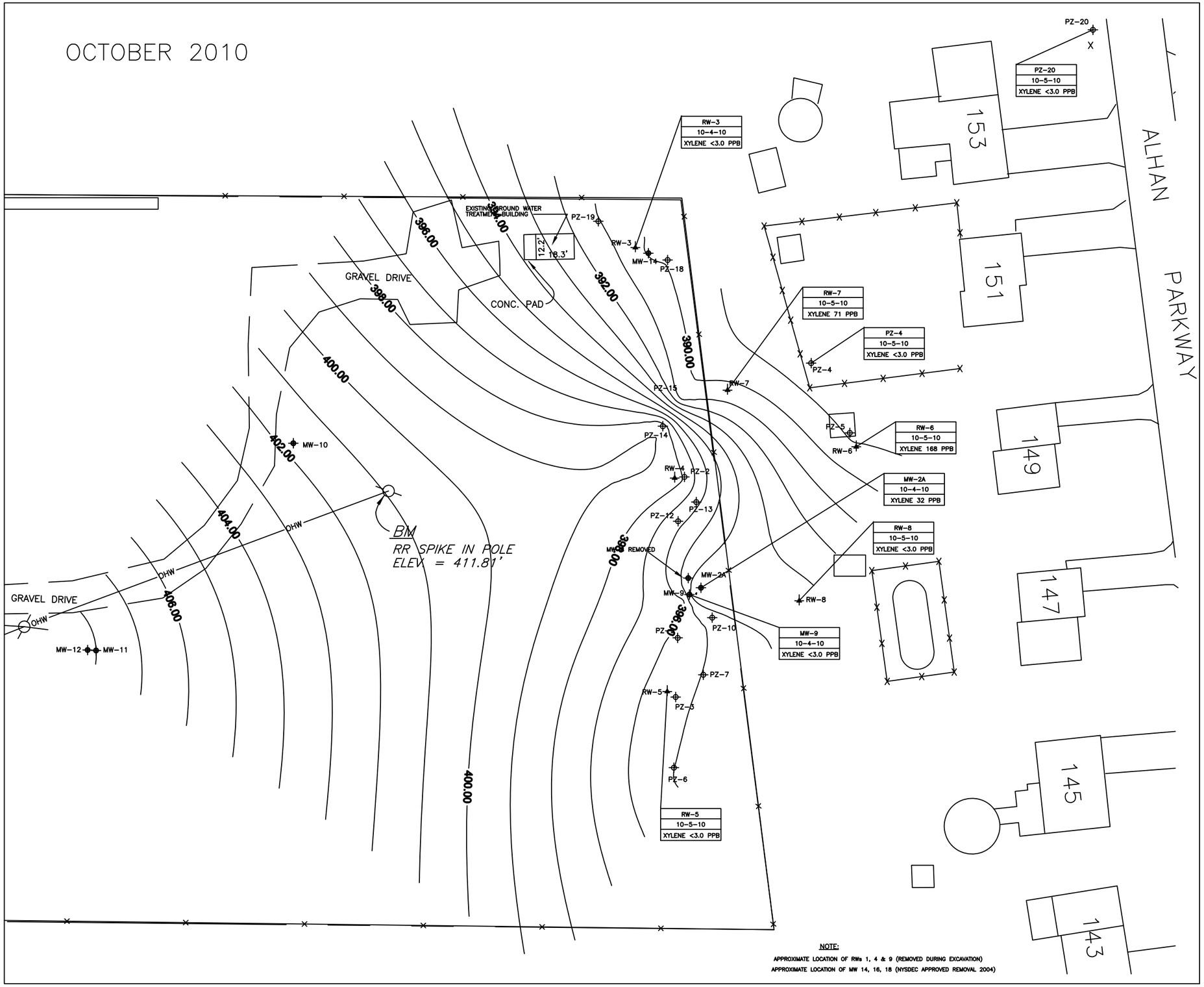


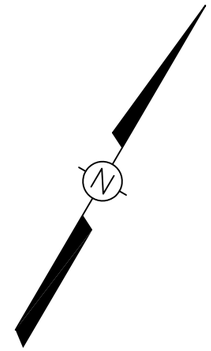
STAUFFER
MANAGEMENT COMPANY
BASE MAP PROVIDED BY IT CORPORATION
SURVEY BY CT MALE

FIGURE 1
SITE PLAN
2008
MAESTRI SITE
904 STATE FAIR BLVD.
GEDDES, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	REVISED	APPROVED BY	DRAWING NUMBER
---	---	ALB	DEO 7-19-99	BH 11/10	--- ---	OCTOBER2010

OCTOBER 2010





LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- MAESTRI SITE PROPERTY BOUNDARY
- 8' HIGH SECURITY FENCE
- ELECTRIC POLE

SCALE

0 30 60 90 FEET

CLIENT

STAUFFER
MANAGEMENT COMPANY
BASE MAP PROVIDED BY IT CORPORATION
SURVEY BY CT MALE

FIGURE 2A
GROUNDWATER CONTOURS
WITH XYLENE CONCENTRATION SUMMARY
MAESTRI SITE–OCTOBER 2010
904 STATE FAIR BLVD.
GEDDES, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	REVISED	APPROVED BY	DRAWING NUMBER
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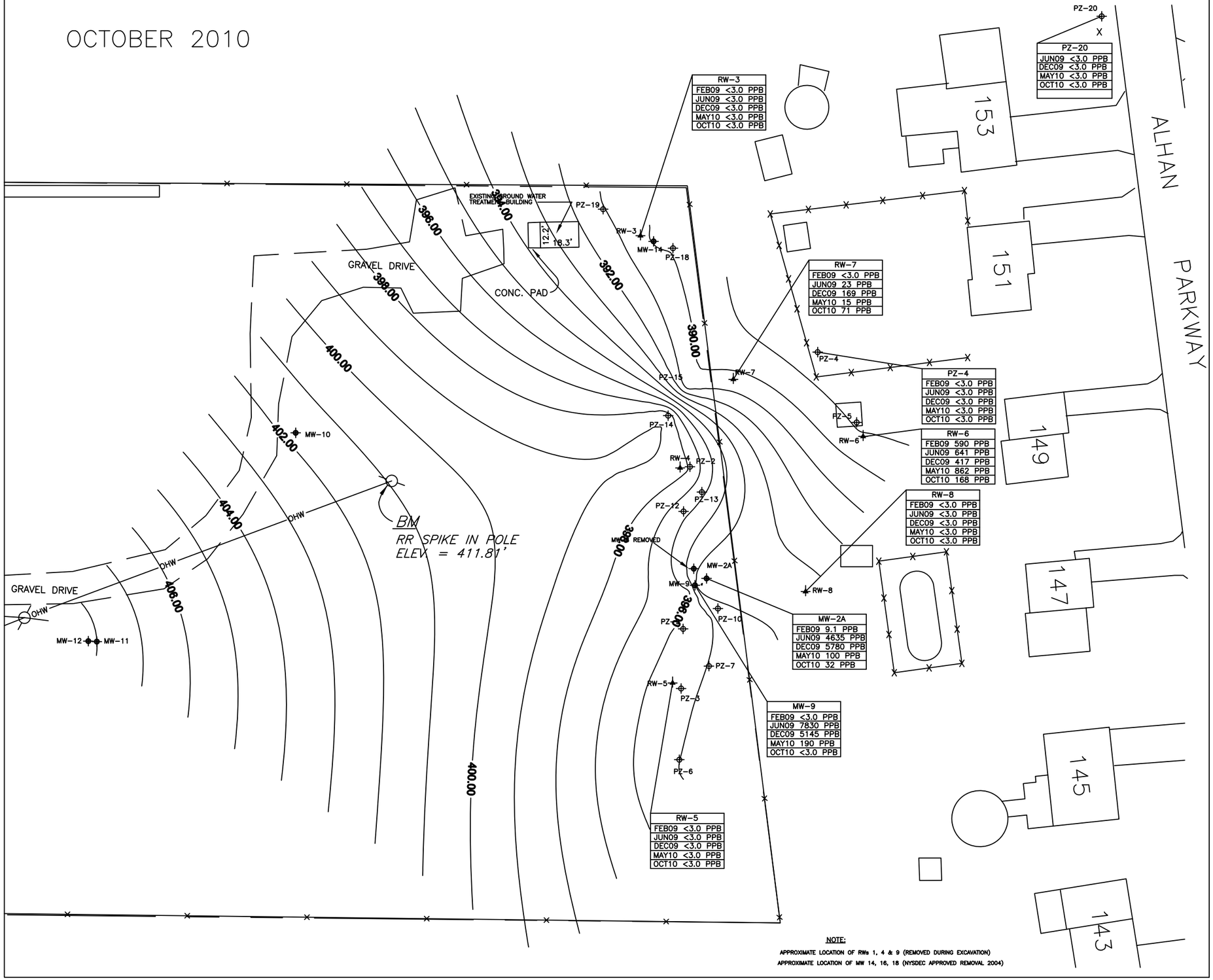
OCTOBER 2010



NOTE:
APPROXIMATE LOCATION OF RWs 1, 4 & 9 (REMOVED DURING EXCAVATION)
APPROXIMATE LOCATION OF MW 14, 16, 18 (NYSDEC APPROVED REMOVAL 2004)

LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- MAESTRI SITE PROPERTY BOUNDARY
- 8' HIGH SECURITY FENCE
- ELECTRIC POLE

SCALE
0 30 60 90 FEET

CLIENT
STAUFFER
MANAGEMENT COMPANY
BASE MAP PROVIDED BY IT CORPORATION
SURVEY BY CT MALE

FIGURE 2B
GROUNDWATER CONTOURS
WITH XYLENE CONCENTRATION SUMMARY
MAESTRI SITE–OCTOBER 2010
904 STATE FAIR BLVD.
GEDDES, NEW YORK

Figure 3
Aquifer Thickness

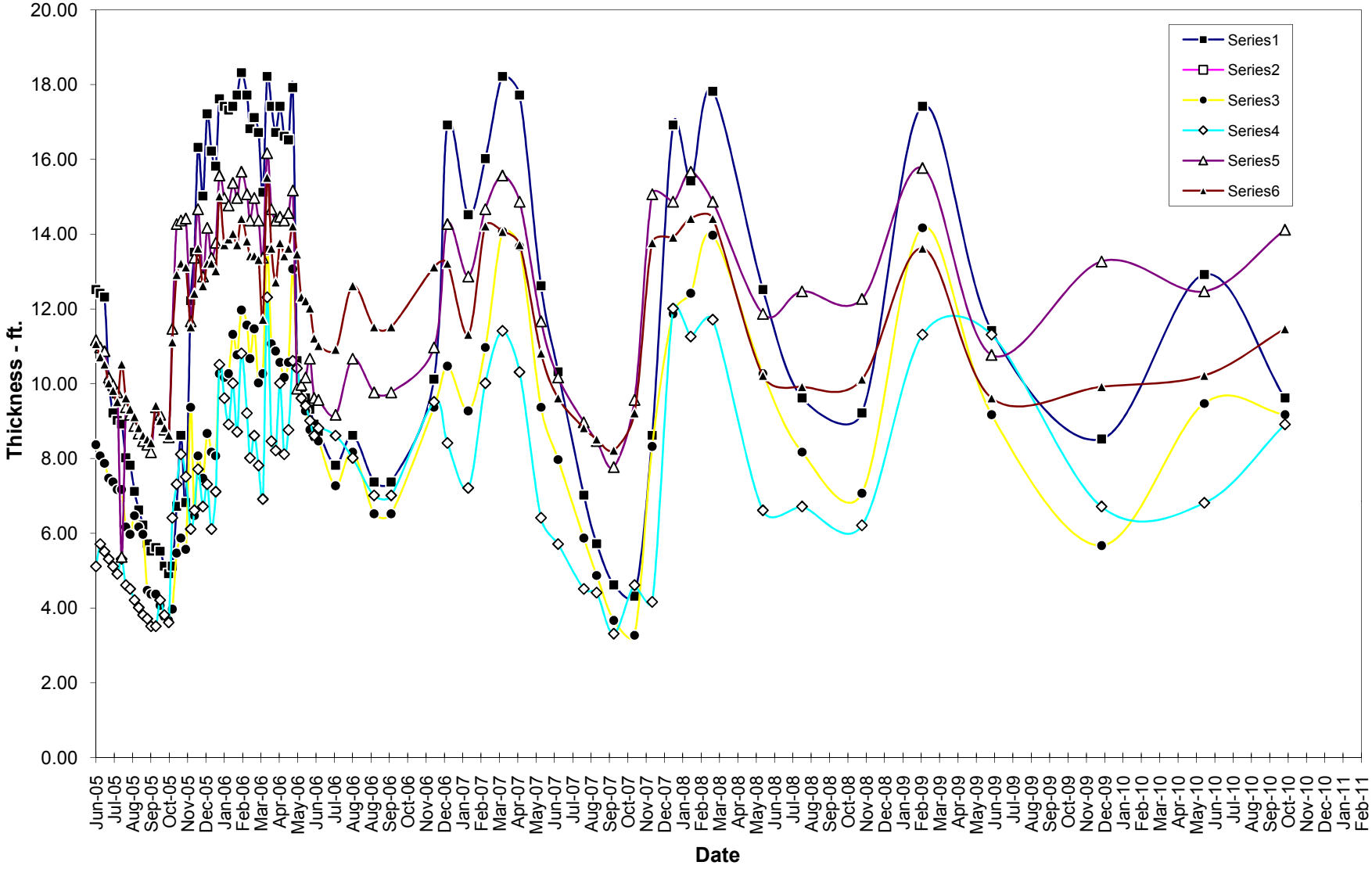


Figure 4
MW-2A (RW-2)

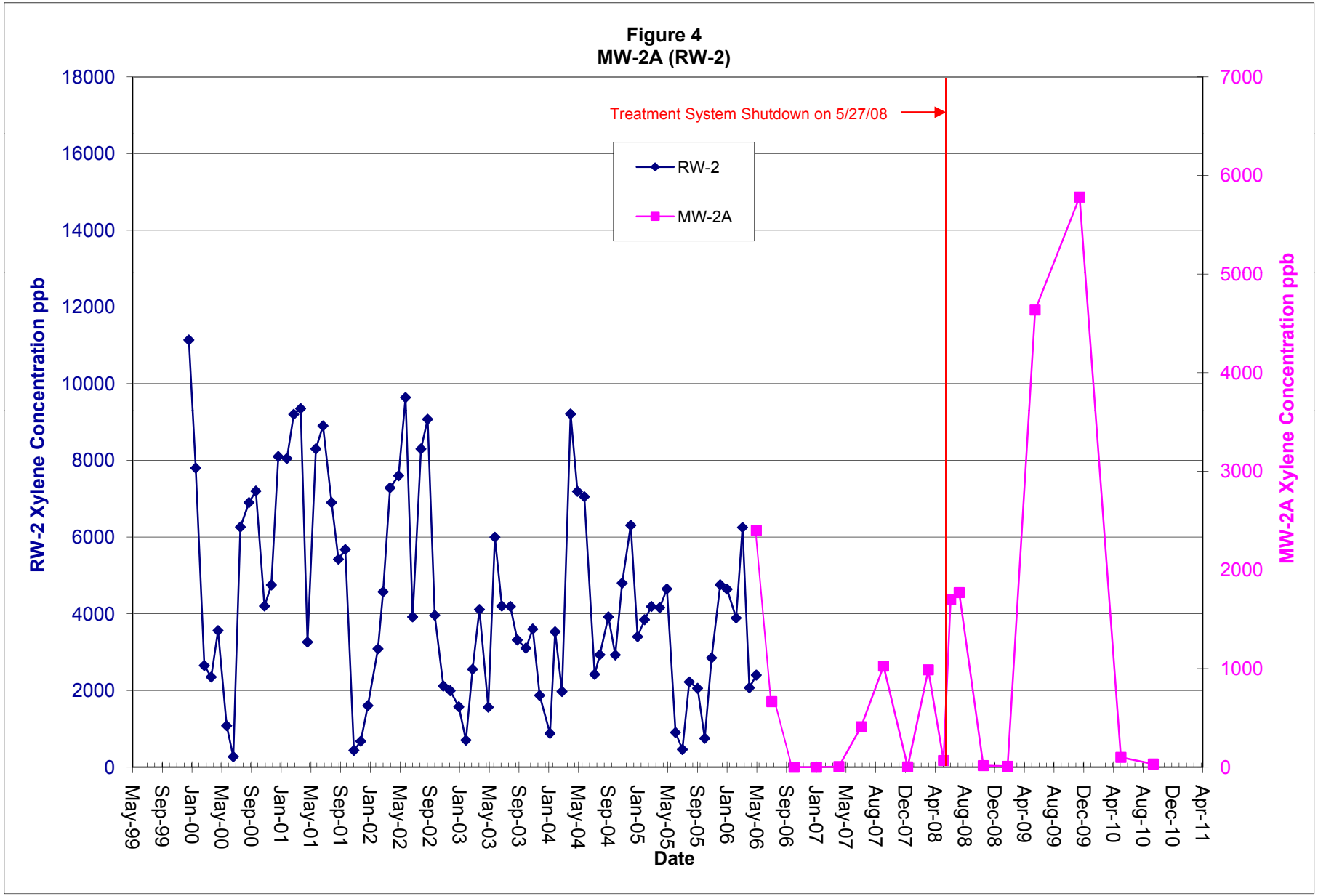
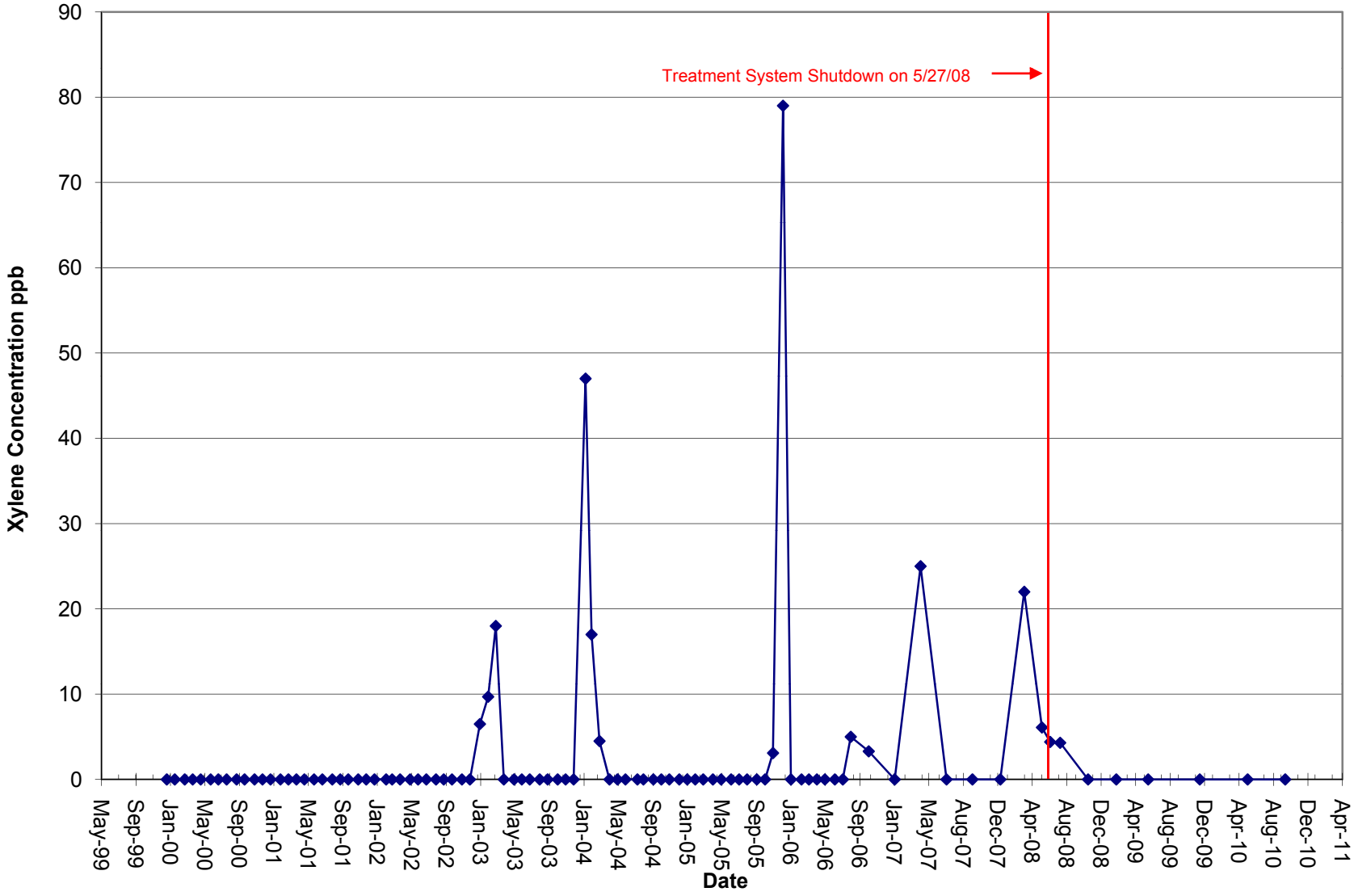


Figure 5
RW-3


Xylene Concentration ppb
90
80
70
60
50
40
30
20
10
0
Treatment System Shutdown on 5/27/08
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
Sep-01
Jan-02
May-02
Sep-02
Jan-03
May-03
Sep-03
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May-07
Aug-07
Dec-07
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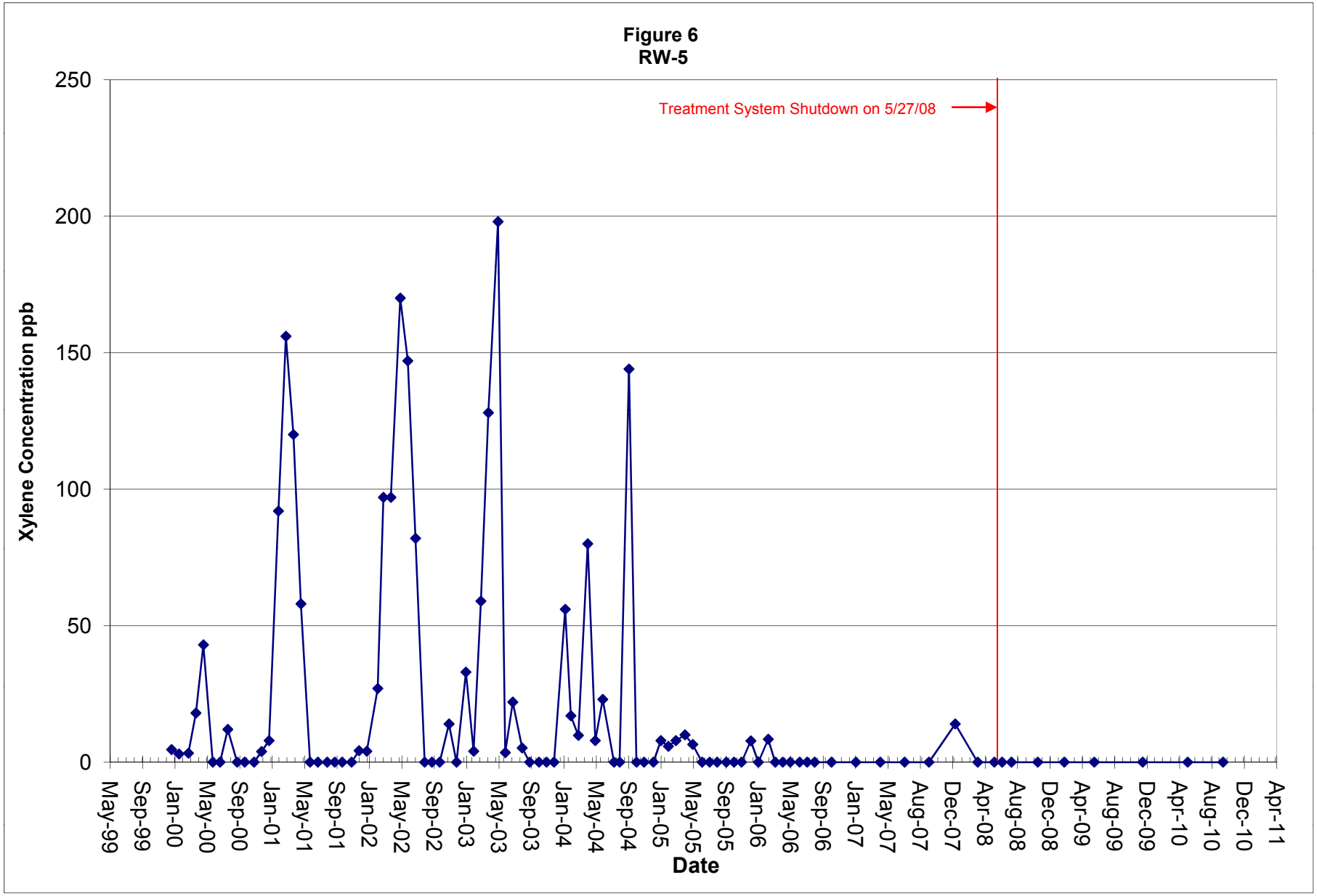
Apr-11
Date

Figure 6
RW-5


Treatment System Shutdown on 5/27/08
Xylene Concentration ppb
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200
150
100
50
0
May-99
Sep-99
Jan-00
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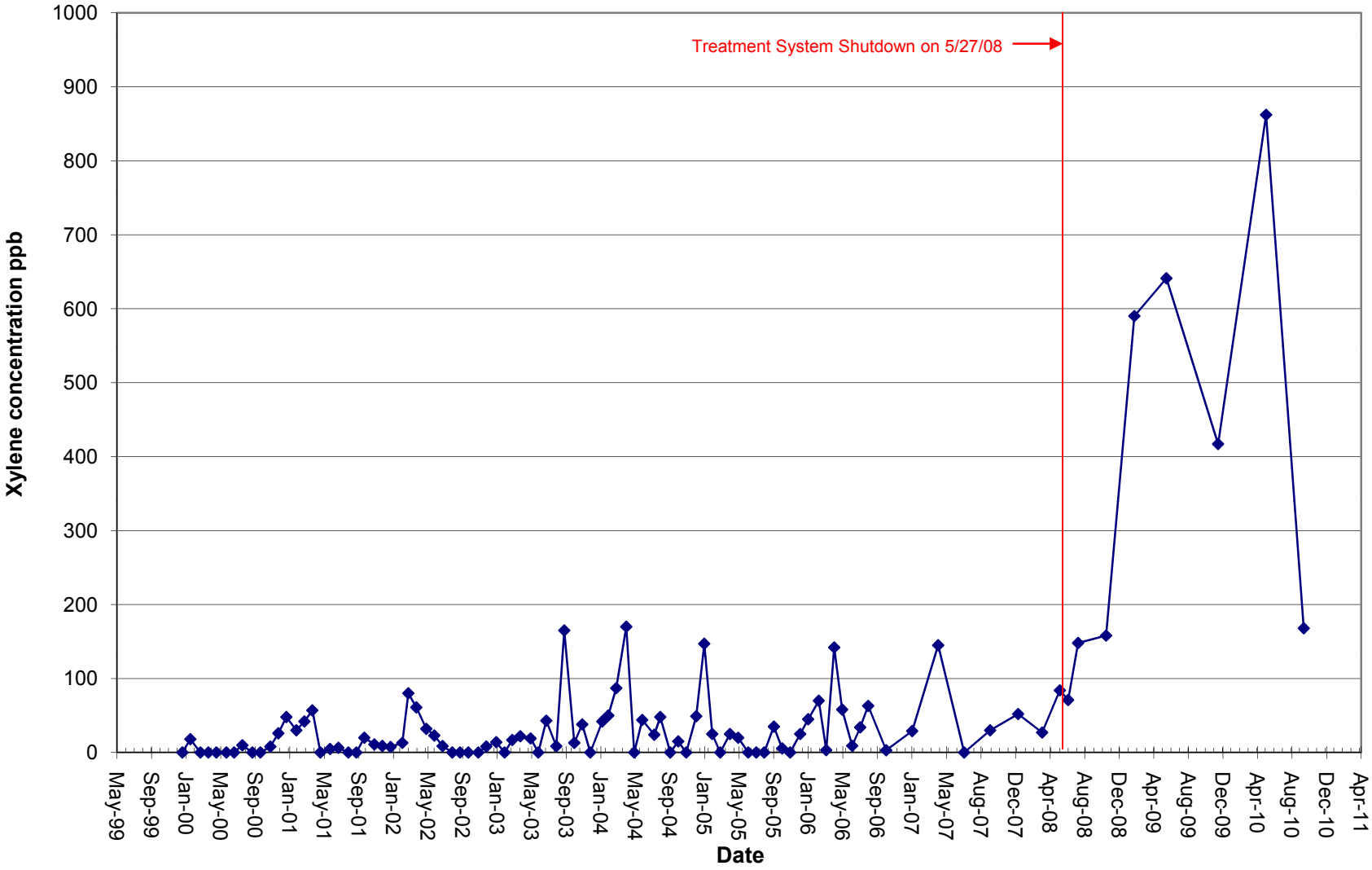
Figure 7
RW-6


Treatment System Shutdown on 5/27/08
Xylene concentration ppb
1000
900
800
700
600
500
400
300
200
100
0
May-99
Sep-99
Jan-00
May-00
Sep-00
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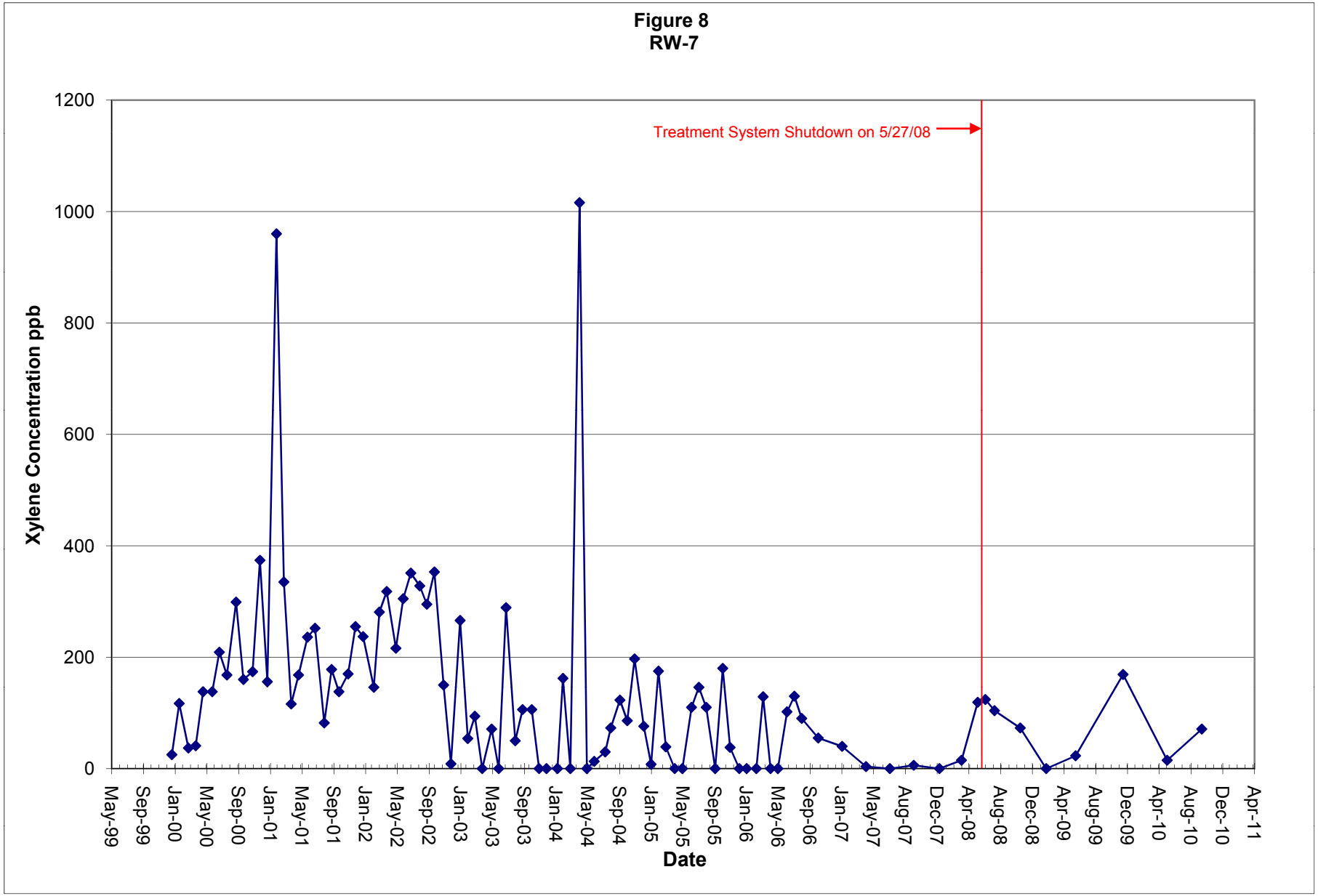
Date

Figure 8
RW-7


Treatment System Shutdown on 5/27/08
Xylene Concentration ppb
1200
1000
800
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May-99
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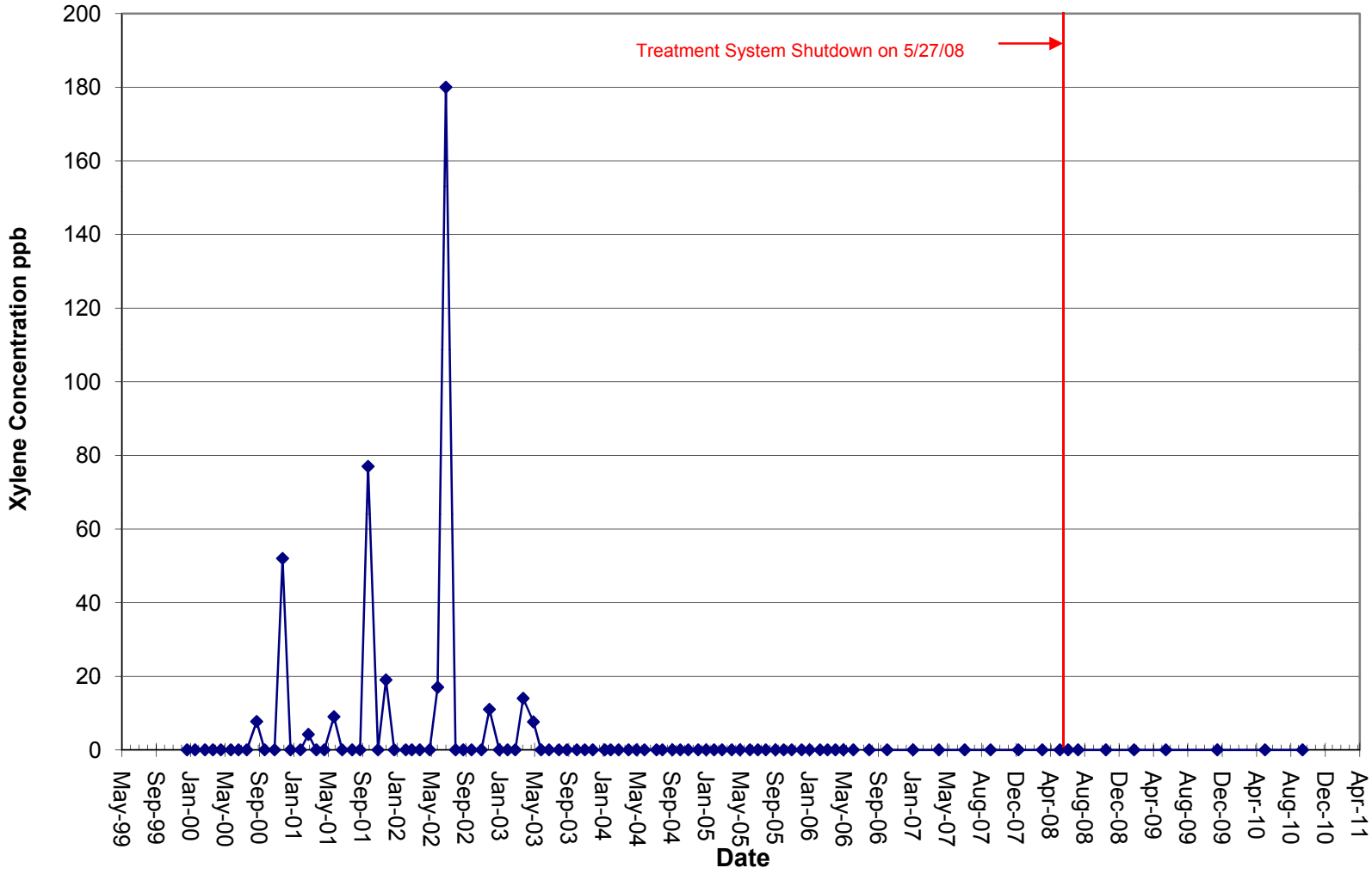
Date

Figure 9
RW-8


Treatment System Shutdown on 5/27/08
Xylene Concentration ppb
200
180
160
140
120
100
80
60
40
20
0
May-99
Sep-99
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Aug-10
Dec-10
Apr-11
Date

ATTACHMENTS

ATTACHMENT 1

Well Sampling Field Reports

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	RW-7
Date(s)	10/5/10

Weather	Temperature
Rain	High 54 Low 48

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	RW-7	Well Location:	Outside fence, east side
Well Diameter (in):	6”	Well Condition:	OK
A. Total Well Depth (ft bgs):	27.5	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	1	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	15.35	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	13.15	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	19.3	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	57.9	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/5/10	Pump/Method:	Grundfos
Purge Start Time:	9:20	Approx Flow Rate:	130 Hz
Purge Stop Time:	11:30	Approx Volume Removed:	60 gallons
Did well dry out?	Yes		

Sampling		Date; Time:	10/5/10; 9:35	10/5/10; 10:00	10/5/10; 11:30
Sample ID:	RW-7	pH	6.94	8.47	9.50
Sample Method:	Grab	Temp (°C)	12.7	12.6	12.4
Sample Date:	10/5/10	Conductivity (mS/cm)	1.25	1.91	2.51
Sample Time:	11:30	TDS (ppt)	0.62	0.95	1.25

Appearance

Clear, brown

Comments

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO RW-5

Date(s) 10/4/10; 10/5/10

Weather	Temperature
Mix of sun and rain; rain	High 56; 54 Low 44; 48

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	RW-5	Well Location:	Inside fence, south side
Well Diameter (in):	6"	Well Condition:	OK
A. Total Well Depth (ft bgs):	24.53	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	1	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	13.65	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	11.88	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	17.44	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	52.3	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/4/10; 10/5/10	Pump/Method:	Well pump and Grundfos
Purge Start Time:	10/4/10; 12:15	Avg Approx Flow Rate:	
Purge Stop Time:	10/5/10; 12:55	Total Volume Removed (approx):	54 gallons
Did well dry out?	Yes		

Sampling		Date; Time:	10/5/10; 8:40	10/5/10; 12:27	10/5/10; 12:55
Sample ID:	RW-5	pH	7.06	6.97	7.05
Sample Method:	Grab	Temp (°C)	15.8	17.3	14.4
Sample Date:	10/5/10	Conductivity (mS/cm)	0.73	0.68	0.69
Sample Time:	12:55	TDS (ppt)	0.37	0.34	0.34

Appearance

Light brown

Comments

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	RW-3
Date(s)	10/4/10

Weather	Temperature
Mix of sun and rain	High 56 Low 44

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	RW-3	Well Location:	Inside fence, northeast corner side
Well Diameter (in):	6"	Well Condition:	OK
A. Total Well Depth (ft bgs):	25.33	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	1	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	16.7	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	9.63	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	14.14	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	42.41	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/4/10	Pump/Method:	Grundfos
Purge Start Time:	11:55	Avg Approx Flow Rate:	184 Hz
Purge Stop Time:	1:35	Total Volume Removed (approx):	44 gallons
Did well dry out?	Yes		

Sampling		Date; Time:	10/4/10; 12:05	10/4/10; 12:47	10/4/10; 1:35
Sample ID:	RW-3	pH	6.92	8.04	8.54
Sample Method:	Grab	Temp (°C)	14.3	13.3	12.0
Sample Date:	10/4/10	Conductivity (mS/cm)	1.04	1.98	2.61
Sample Time:	1:35	TDS (ppt)	0.52	0.98	1.31

Appearance

Gray to clear to brown-gray to clear to cloudy gray

Comments

16 Computer Drive West
Albany, NY 12205

Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	MW-2A
Date(s)	10/4/10

Weather	Temperature
Mix of sun and rain	High 56 Low 44

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	MW-2A	Well Location:	Near back gate
Well Diameter (in):	8”	Well Condition:	OK
A. Total Well Depth (ft bgs):	20.64	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	2.7 (23’ total)	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	13.55	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	9.79	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	25.54	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	76.63	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/4/10	Pump/Method:	Grundfos
Purge Start Time:	2:00	Avg Approx Flow Rate:	130 Hz
Purge Stop Time:	3:10	Total Volume Removed (approx):	78 gallons
Did well dry out?	No		

Sampling		Date; Time:	10/4/10; 2:30	10/4/10; 2:45	10/4/10; 3:10
Sample ID:	MW-2A	pH	5.80	6.80	7.30
Sample Method:	Grab	Temp (°C)	11.7	14.2	13.3
Sample Date:	10/4/10	Conductivity (mS/cm)	1.00	0.88	0.97
Sample Time:	3:10	TDS (ppt)	0.43	0.44	0.48

Appearance

Brown to slightly yellow to clear

Comments

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	RW-8
Date(s)	10/4/10; 10/5/10

Weather	Temperature
Mix of sun and rain; rain	High 56; 54 Low 44; 48

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	RW-8	Well Location:	Outside fence, northern side, in path
Well Diameter (in):	6"	Well Condition:	OK
A. Total Well Depth (ft bgs):	24.5	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	1	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	13.0	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	12.5	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	18.35	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	55.05	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/4/10; 10/5/10	Pump/Method:	Well pump
Purge Start Time:	10/4/10; 12:30	Avg Approx Flow Rate:	
Purge Stop Time:	10/5/10; 10:05	Total Volume Removed (approx):	56 gallons
Did well dry out?	Yes		

Sampling		Date; Time:	10/5/10; 8:00	10/5/10; 8:30	10/5/10; 10:05
Sample ID:	RW-8	pH	7.20	7.09	7.07
Sample Method:	Grab	Temp (°C)	16.1	15.1	14.8
Sample Date:	10/5/10	Conductivity (mS/cm)	0.93	0.91	1.02
Sample Time:	10:05	TDS (ppt)	0.46	0.45	0.51

Appearance

Brown

Comments

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	RW-6		
Date(s)	10/4/10; 10/5/10		
Weather		Temperature	
Mix of sun and rain; rain		High	56; 54
		Low	44; 48

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	RW-6	Well Location:	Back yard of residence
Well Diameter (in):	6"	Well Condition:	OK
A. Total Well Depth (ft bgs):	21.86	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	--	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	4.3	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	17.56	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	25.78	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	77.33	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/4/10; 10/5/10	Pump/Method:	Well pump
Purge Start Time:	10/4/10; 12:15	Avg Approx Flow Rate:	
Purge Stop Time:	10/5/10; 8:05	Total Volume Removed (approx):	80 gallons
Did well dry out?	Yes		

Sampling		Date; Time:	10/4/10; 12:27	10/4/10; 1:43	10/5/10; 8:05
Sample ID:	RW-6	pH	7.45	7.82	7.99
Sample Method:	Grab	Temp (°C)	14.7	14.9	13.8
Sample Date:	10/5/10	Conductivity (mS/cm)	1.07	1.44	1.57
Sample Time:	8:05	TDS (ppt)	0.54	0.72	0.78

Appearance

Dark gray to clear to light gray

Comments

DUP

envirospec ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	MW-9
Date(s)	10/4/10

Weather	Temperature
Mix of sun and rain	High 56 Low 44

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	MW-9	Well Location:	Near back gate
Well Diameter (in):	2"	Well Condition:	OK
A. Total Well Depth (ft bgs):	16.6	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	1 (18' total)	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	12.7	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	4.9	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	0.80	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	2.4	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/4/10	Pump/Method:	Bailer
Purge Start Time:	1:10	Avg Approx Flow Rate:	
Purge Stop Time:	1:25	Total Volume Removed (approx):	4 gallons
Did well dry out?	No		

Sampling		Date; Time:	10/4/10; 1:25
Sample ID:	MW-9	pH	6.63
Sample Method:	Grab	Temp (°C)	14.3
Sample Date:	10/4/10	Conductivity (mS/cm)	0.88
Sample Time:	1:25	TDS (ppt)	0.44

Appearance

Clear

Comments

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	PZ-4
Date(s)	10/5/10

Weather	Temperature
Rain	High 54 Low 48

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	PZ-4	Well Location:	Back yard of residence
Well Diameter (in):	2"	Well Condition:	OK
A. Total Well Depth (ft bgs):	19.5	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	--	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	6.1	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	13.4	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	2.18	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	6.55	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/5/10	Pump/Method:	Bailer
Purge Start Time:	10:25	Avg Approx Flow Rate:	
Purge Stop Time:	10:45	Total Volume Removed (approx):	8 gallons
Did well dry out?	No		

Sampling		Date; Time:	10/5/10; 10:45
Sample ID:	PZ-4	pH	7.87
Sample Method:	Grab	Temp (°C)	13.1
Sample Date:	10/5/10	Conductivity (mS/cm)	2.01
Sample Time:	10:45	TDS (ppt)	1.00

Appearance

Cloudy, brown

Comments

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Well Sampling Field Record

WELL NO	PZ-20
Date(s)	10/5/10

Weather	Temperature
Rain	High 54 Low 48

Project	SMC Maestri	Project No.	E07-102
Location	904 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	PZ-20	Well Location:	Off-Site
Well Diameter (in):	2"	Well Condition:	OK
A. Total Well Depth (ft bgs):	20'	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	--	TOC Elevation (ft):	
C. Depth to Water TOC (ft):	3.1	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	16.9	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	2.75	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	8.26	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	10/5/10	Pump/Method:	Bailer
Purge Start Time:	10:25	Avg Approx Flow Rate:	
Purge Stop Time:	10:50	Total Volume Removed (approx):	10 gallons
Did well dry out?	No		

Sampling		Date; Time:	10/5/10; 10:55
Sample ID:	PZ-20	pH	7.20
Sample Method:	Grab	Temp (°C)	13.8
Sample Date:	10/5/10	Conductivity (mS/cm)	1.18
Sample Time:	10:55	TDS (ppt)	0.58

Appearance

Clear to cloudy, brown

Comments

ATTACHMENT 2

Laboratory Analytical Results

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: SMC Maestri
DATE: 10/19/2010

SAMPLE NUMBER- 599926 SAMPLE ID- Trip Blank SAMPLE MATRIX- WA
DATE SAMPLED- 10/04/10 TIME SAMPLED- 1140
DATE RECEIVED- 10/06/10 SAMPLER- Belinda Ho RECEIVED BY- RS
TIME RECEIVED- 1520 DELIVERED BY- Ben Murphy TYPE SAMPLE- Grab

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature		10/06/10		RS	4.0	Degrees C
Total Xylenes	EPA 624	10/11/10		RRB	< 3.0	ug/L

NYSDOH LAB ID NO. 11246 APPROVED BY: (Terms and Conditions on Reverse Side)

Patrick A. Leone, Jr.
Laboratory Director

The analytical results on this sample are representative of the sample received by the Laboratory.

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: SMC Maestri
DATE: 10/22/2010

LAB No.	SAMPLE DATE	SAMPLE TIME	SAMPLER	DELIVERY TO LAB DATE	DELIVERY TO LAB TIME	MATRIX
599927	10/04/10	1335	Belinda Ho	10/06/10	1520	WW
599928	10/04/10	1325	Belinda Ho	10/06/10	1520	WW
599929	10/04/10	1510	Belinda Ho	10/06/10	1520	WW
599930	10/05/10	0805	Belinda Ho	10/06/10	1520	WW
599931	10/05/10	1000	Belinda Ho	10/06/10	1520	WW
599932	10/05/10	1045	Belinda Ho	10/06/10	1520	WW
599933	10/05/10	1055	Belinda Ho	10/06/10	1520	WW
599934	10/05/10	1130	Belinda Ho	10/06/10	1520	WW

CLIENT STATION ID	LAB NUMBER	Sample Receipt Temperature Degrees C	Total Xylenes ug/L
RW-3	599927	4.0	< 3.0
MW-9	599928	4.0	< 3.0
MW-2A	599929	4.0	32
RW-6	599930	4.0	168
RW-8	599931	4.0	< 3.0
PZ-4	599932	4.0	< 3.0
PZ-20	599933	4.0	< 3.0
RW-7	599934	4.0	71

Note: Samples analyzed by Method EPA 624. Revised report for client ID on sample #599933.

NYSDOH LAB ID NO. 11246 APPROVED BY: _____
(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

The analytical results on this sample are representative of the sample received by the Laboratory.

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: SMC Maestri
DATE: 10/22/2010

LAB No.	SAMPLE DATE	SAMPLE TIME	SAMPLER	DELIVERY TO LAB DATE	DELIVERY TO LAB TIME	MATRIX
599935	10/05/10	1255	Belinda Ho	10/06/10	1520	WW
599936	10/05/10	0810	Belinda Ho	10/06/10	1520	WW

CLIENT STATION ID	LAB NUMBER	Sample Receipt Temperature Degrees C	Total Xylenes ug/L
RW-5	599935	4.0	< 3.0
DUP	599936	4.0	157

Note: Samples analyzed by Method EPA 624. Revised report for client ID on sample #599933.

NYSDOH LAB ID NO. 11246 APPROVED BY: _____
(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

CHAIN OF CUSTODY RECORD

CES

Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374 Fax: 315-478-2107

BATCH NO:

Turn-Around Time:
- ☑ Standard
- ☐ 1 Week
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours

CLIENT NAME:
ADDRESS:
PHONE:
FAX:
CONTACT NAME: Belinda H

PROJECT NUMBER/NAME:

PURCHASE ORDER NO:

Sampler's Name: Belinda H Signature:

LAB USE ONLY	Collected		TYPE		MATRIX				PARAMETERS FOR ANALYSIS									
CES Sample Numbers	Date	Time	Comp.	Grab	Aqueous	Soil	Other	CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	Xylene								
599926	10/4/10	11 43		✓	✓			Trip Blank	2	✓								
599927	10/4/10	1 35		✓	✓			RW-3	2	✓								
599928	10/4/10	1-25		✓	✓			MW-9	2	✓								
599929	10/4/10	3-10		✓	✓			MW-2A	2	✓								
599930	10/5/10	8 05		✓	✓			RW-6	2	✓								
599931	10/5/10	10-05		✓	✓			RW-8	2	✓								
599932	10/5/10	10.45		✓	✓			PZ-4	2	✓								
599933	10/5/10	10.55		✓	✓			PZ-20	2	✓								
599934	10/5/10	11 30		✓	✓			RW-7	2	✓								
599935	10/5/10	12 55		✓	✓			RW-5	2	✓								
									20	TOTAL NUMBER OF CONTAINERS								

SPECIAL REMARKS:

SAMPLES RELINQUISHED BY:	SAMPLES RECEIVED BY:	
NAME: Belinda H DATE: 10/6/10	NAME: DATE:	Samples Received in Good Condition:
SIGNATURE: TIME:	SIGNATURE: TIME: 13:50	☑ Yes ☐ No
NAME: DATE:	NAME: DATE:	Temperature °C
SIGNATURE: TIME: 15:20	SIGNATURE: TIME: 1520	

CHAIN OF CUSTODY RECORD

CES
Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374 Fax: 315-478-2107

BATCH NO: B7110

Page 2 of 2

Turn-Around Time:
- ☑ Standard
- ☐ 1 Week
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours

CLIENT NAME:
ADDRESS:
PHONE:
FAX:
CONTACT NAME:

PROJECT NUMBER/NAME: SMC Meetin

PURCHASE ORDER NO:

Sampler's Name: Signature:

LAB USE ONLY CES Sample Numbers	Collected Date	Collected Time	TYPE Comp.	TYPE Grab	MATRIX Aqueous	MATRIX Soil	MATRIX Other	CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS: Xylene
599936	10/5/10	3:10		✓	✓			DUP	2	✓

SPECIAL REMARKS:

2 TOTAL NUMBER OF CONTAINERS

SAMPLES RELINQUISHED BY:

NAME: Bernadette Hu DATE: 10/6/10
SIGNATURE: TIME:

NAME: Ben Murphy DATE: 10-6-10
SIGNATURE: TIME: 15:20

SAMPLES RECEIVED BY:

NAME: DATE: 10-6-10
SIGNATURE: TIME: 13:50

NAME: DATE:
SIGNATURE: TIME:

Samples Received in Good Condition:
☑ Yes ☐ No
Temperature 4.0 °C

White - CES's Copy • Canary - Return to Client With Report • Pink - Clients Initial Copy

ATTACHMENT 3

Site Inspection Report

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.453.2203
Fax: 518.689.4800

Date: 10/4/10
Time: 9:30

Site Inspection Report

Weather	Temperature
Mix of sun and rain	High 56 / Low 44

Client	Stauffer Management Company LLC	Project No.	E07-102
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	Belinda Ho

Please note any deficiencies, issues, or actions taken at the bottom of the page or on continuation pages

Site Security	*Circle one*			Comments/Action Required
1. Was gate closed and locked when arriving at site?	(Y)	N	NA	
2. Are there any holes or breaks in the fencing?	Y	(N)	NA	
3. Was the door to the treatment shed locked?	(Y)	N	NA	
4. Is the back gate closed and locked?	(Y)	N	NA	
5. Are there any signs of vandalism or unauthorized entry (odd tire tracks, damage to fence, strange debris [bottles, cans, etc])?	Y	(N)	NA	
5a. If so, explain below and notify SMC and Envirospec immediately				
Wells				
6. Are wells intact? *(except PZ-10 which has been damaged)*	(Y)	N	NA	
7. Are all wells covered (with lid or cap)? *(except wells noted below)*	(Y)	N	NA	
8. Are all wells locked? *(except wells noted below)*	Y	(N)	NA	PZ-9 missing lock
Site Maintenance				
9. Is there any garbage or debris? If so, please remove/discard.	Y	(N)	NA	
10. Is there visible dust?	Y	(N)	NA	
11. Does the grass need to be mowed?	Y	(N)	NA	
12. Do any areas need to be weeded or shrub cleared?	Y	(N)	NA	
13. Are there any bald spots in grassy areas?	Y	(N)	NA	
14. Are the access roads clear?	(Y)	N	NA	
15. Do any areas (site roads or access to wells) need to be plowed?	Y	(N)	NA	
16. Are there any sink holes throughout the site?	Y	(N)	NA	
17. Any odors onsite?	Y	(N)	NA	
18. Are site signs still up and visible?	(Y)	N	NA	
Erosion Control				
19. Is silt fence still intact and upright?	Y	(N)	NA	Portions are not upright.
19a. If areas need repair or erosion control installed, indicate below and contact Abscope for repairs.				
20. Is there any evidence of runoff? (i.e. water flow paths on ground)	Y	(N)	NA	
21. Is there any standing, ponded, or pools of water?	Y	(N)	NA	
22. Are there any signs of runoff at the northeast corner? *(stone area)*	Y	(N)	NA	
23. Is there currently any surface water runoff?	Y	(N)	NA	
23a. If so, describe where, approximate flow, and appearance of water below.				
Treatment System				
24. Are the breakers for the pumps still in the off position?	(Y)	N	NA	
25. Does effluent totalizer on the wall for still read 2846902?	(Y)	N	NA	
25a. If not, contact Envirospec or SMC immediately and check that effluent valve is closed.				
26. Are all critical valves in the closed position?	(Y)	N	NA	
27. Are there any system status alarms on the computer?	Y	N	(NA)	
27a. If so, describe below how they have been handled. *(this does not include well level alarms)*				
28. Are all flow values on computer "zero"?	Y	N	(NA)	
("Flow to sewer," "Tot flow to sewer," "tot daily flow," and "TGAL" for each well should each be "zero")				
28. Check level of sump. Does sump need to be pumped out?	(Y)	N	NA	
29. List water level for each recovery well as shown on computer: (total depth of well is shown in brackets)				

RW-7 [27.5']	N/A	RW-5 [24.5']	N/A
RW-2 (not online)	N/A	RW-8 [24.5']	N/A
RW-3 [25.3']	N/A	RW-6 [21.8']	N/A

30. Are any recovery wells at close to overtopping? (ref total depth above)	Y	N	(NA)	
Upon leaving the site, check the following;				
31. Is the treatment shed locked?	(Y)	N	NA	
32. Were the gates closed and locked after leaving site?	(Y)	N	NA	

Note: Some wells cannot be locked including PZ-10, RW-3, RW-4, and RW-5.

Signature of Inspector: Belinda Ho

Include General Site Observations and Follow-Up Actions on the Reverse