STAUFFER MANAGEMENT COMPANY
MAESTRI SITE
GEDDES, NEW YORK

POST GROUNDWATER COLLECTION / TREATMENT SYSTEM SHUTDOWN

SEMIANNUAL REPORT – DECEMBER 2009

Prepared for:

Stauffer Management Co.
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Wilmington, DE 19850-5437

Prepared by:

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Envirospec Engineering Project E07-102a

Date Prepared: March 2010

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Introduction

This report addresses site maintenance and monitoring activities that have been completed since shutdown of the groundwater treatment system on May 27, 2008. The period of time covered by this report is from July to December of 2009. 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. The NYSDEC approved this request in a letter dated May 14, 2008. After the approval was granted by the NYSDEC, the groundwater treatment system was shut down the morning of May 27, 2008.

As part of the approval to shut down the groundwater treatment system, SMC agreed to maintain the system for a minimum of one year (through May 2009). As part of the system shut down, the pumps were turned off, all valves were closed, and the effluent line inside the treatment shed was disconnected to prevent accidental discharges. All other main components (electricity, computer, well pumps, water level probes, alarm system, PLC, etc) remained installed and functional in case the system needed to be restarted during the one-year period. SMC also 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. During the June 2009 and December 2009 sampling events, no elevated xylene concentrations were observed in the downgradient offsite monitoring well PZ-20. The plume appeared to remain stable with no significant migration.

Based on groundwater monitoring results, in November 2009 Envirospec requested NYSDEC approval to alternate 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 – Round Seven

The seventh round of groundwater sampling was the first semiannual sampling event and was conducted on December 8th and 9th, 2009. 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 – December 8th and 9th, 2009

Monitoring Well	Measuring Point Elevation	Depth to Water	Groundwater Elevation
MW-9	408.87	17	391.87
MW-10	413.82	13.1	400.72
MW-12	418.28	9.8	408.48
MW-14	405.17	17.2	387.97
PZ-2	407.23	10	397.23
PZ-3	409.60	17.3	392.30
PZ-4	394.37	7.7	386.67
PZ-5	393.37	6.6	386.77
PZ-6	410.15	17.9	392.25
PZ-7	409.13	17.2	391.93
PZ-9	408.69	16.4	392.29
PZ-10	407.04	15.5	391.54
PZ-12	408.17	14.1	394.07
PZ-13	407.12	13.5	393.62
PZ-14	408.44	10.4	398.04

Monitoring Well	Measuring Point Elevation	Depth to Water	Groundwater Elevation
PZ-15	406.74	17.8	388.94
PZ-18	406.30	17.9	388.40
PZ-19	406.88	17.6	389.28
PZ-20	386.00	3.5	382.50
MW-2A (formerly RW-2)	406.40	17	389.40
RW-3	407.01	18.4	388.61
RW-5	409.18	16.7	392.48
RW-6	393.64	6.4	387.24
RW-7	405.76	17.1	388.66
RW-8	406.81	16.1	390.71

A minimum of three wells volumes were purged from each of the sampling wells prior to sampling. Wells were purged with either a 2" submersible Grundfos pump and poly tubing or purged with a 2" 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. The result of the trip blank sample was non-detect for xylene indicating there was no evidence of outside or cross contamination.

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 – December 2009

Well Number	Xylene Concentration (ppb)
MW-9	5145
MW-2A (formerly RW-2)	5780
RW-3	< 3.0
RW-5	< 3.0
RW-6	417
DUP	432
RW-7	169
RW-8	< 3.0
PZ-4	< 3.0
PZ-20	< 3.0
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 are in line with concentrations noted at the site for the past few years. Levels in MW-2A and RW-7 were slightly elevated as compared to past events while the elevated levels previously observed in RW-6 have decreased. These wells will continue to be monitored with the June 2010 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 plume migration; the xylene concentrations in down-gradient wells are in line with the seasonal trend noted in previous sampling events while the system was operating.

Site Inspections

Site inspections were conducted on a daily basis for the week following treatment system shutdown. In addition, for the first week of shutdown, during periods of heavy rain the site was inspected for runoff and general conditions. To date, no runoff issues have been observed or reported by neighboring residences. The recovery well groundwater elevations were also reviewed during site inspections based on the PLC output on the computer. Thus far, the groundwater level in the recovery wells has been stable. After the first week, inspections were subsequently conducted on a weekly basis and were continued to be conducted at this frequency

through August 2008. Since August 2008, site inspections were conducted at 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 shutdown of the groundwater treatment system, general site maintenance was performed to ensure appropriate erosion control was in place. Maintenance included the installation of additional silt fence and hay bales at down gradient areas along the perimeter fence, the placement of stone at the northeast corner of the site, lawn maintenance, repair of the sink hole near MW-9, and the addition of topsoil, seed, and mulch to previously disturbed areas.

Signage was posted along the back fence near the residences. These signs list local numbers in the event of a site issue. While these local numbers can be used on a 24-hour basis, the 24-hour emergency response number is still posted on the front fence. To date, no calls have been received by Envirospec or SMC. "No Trespassing" signs were also posted along the front and rear fences.

Other site maintenance conducted during the month of December 2009 included snow plowing and garbage/debris removal.

Lawn maintenance will be performed on an as needed basis. 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 18 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 June 2010. The NYSDEC will be notified two weeks prior to sampling. The annual site inspection will be completed in 2010 pending approval of the Site Management Plan.

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

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 parenthesis is duplicate sample result

Table 4

Well Field Data

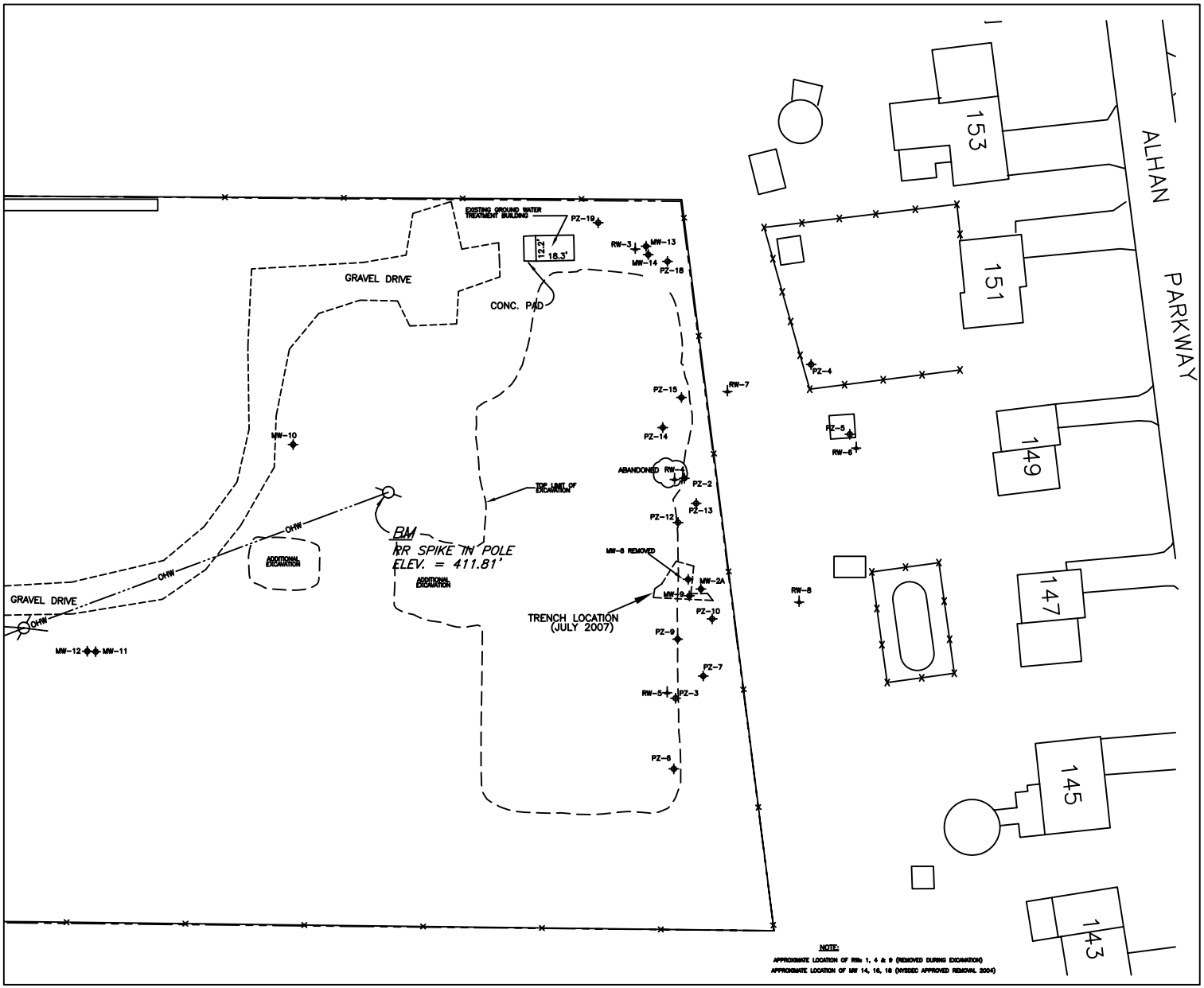
Stauffer Management Company
Maestri Site

Semiannual Groundwater Sampling – December 2009

Monitoring Well	Date Sampled	Diameter (inches)	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	12/8/2009	2	16.6	17	1	0.5	7.05	10.1	1.32	0.62
MW-2A (formerly RW-2)	12/8/2009	8	20.64	17	6	47	8.77	11.4	2.14	1.06
RW-3	12/8/2009	6	25.33	18.4	7.9	34.9	9.34	10.5	2.45	1.23
RW-5	12/8/2009	6	24.53	16.7	8.8	38.9	7.36	8.6	1.06	0.53
RW-6	12/8/2009	6	21.86	6.4	15.5	68.1	7.99	8.9	1.78	0.89
RW-7	12/8/2009	6	27.5	17.1	11.4	50.2	9.65	10.8	3.45	1.72
RW-8	12/9/2009	6	24.5	16.1	9.4	41.4	7.13	10.1	0.93	0.46
PZ-4	12/9/2009	2	19.5	7.7	11.8	5.8	7.66	9.8	1.62	0.81
PZ-20	12/9/2009	2	20	3.6	16.4	8	7.5	10.1	1.07	0.53

FIGURES

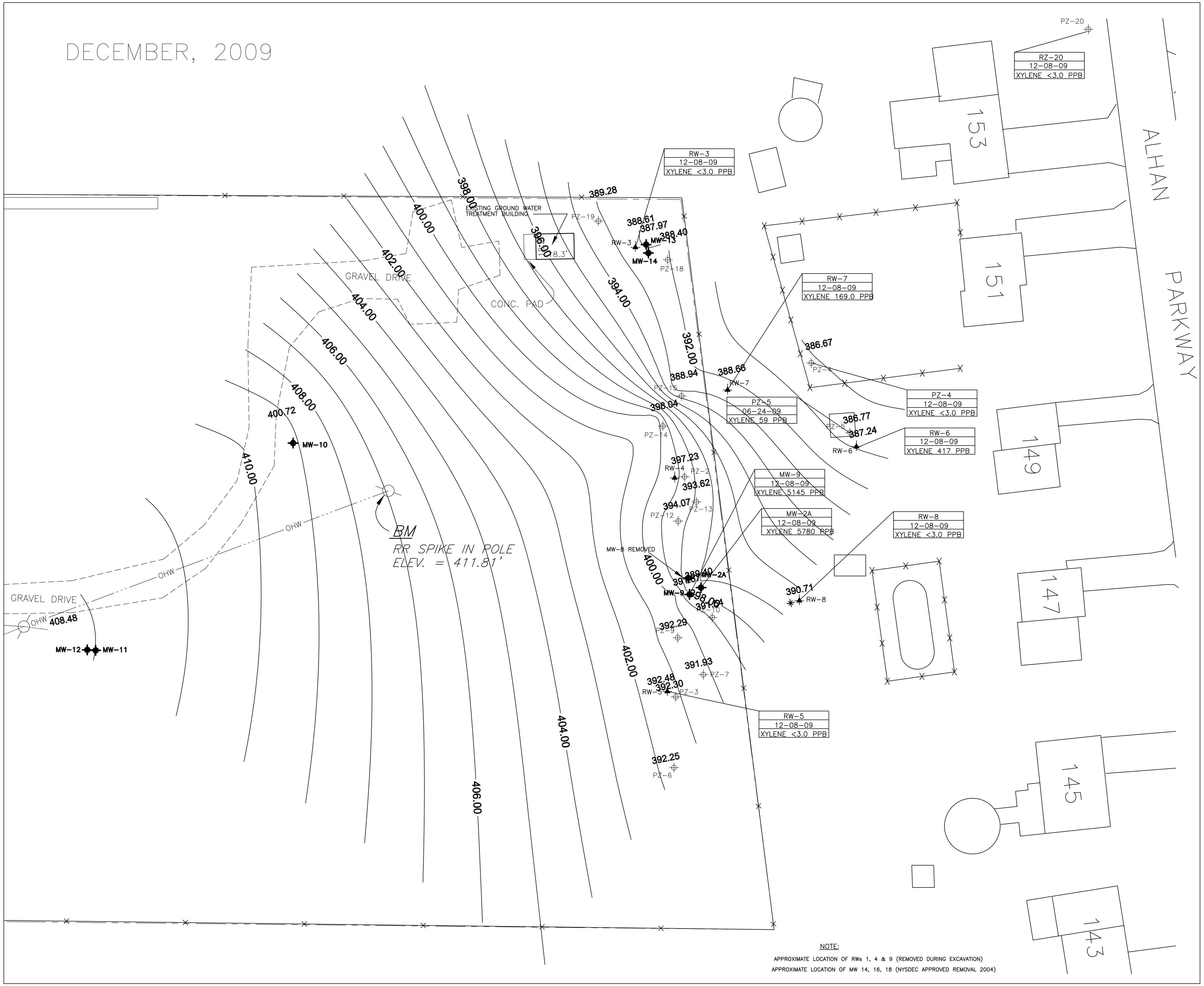
IMAGE	X-REF	OFFICE	DRAWN BY	REVISED	APPROVED BY	DRAWING NUMBER
---	---	ALB	DEO 7-19-99	MRW 07/07/08	---	SUMJUL99



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

DECEMBER, 2009



N

LEGEND

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

SCALE

0 30 60 90 FEET

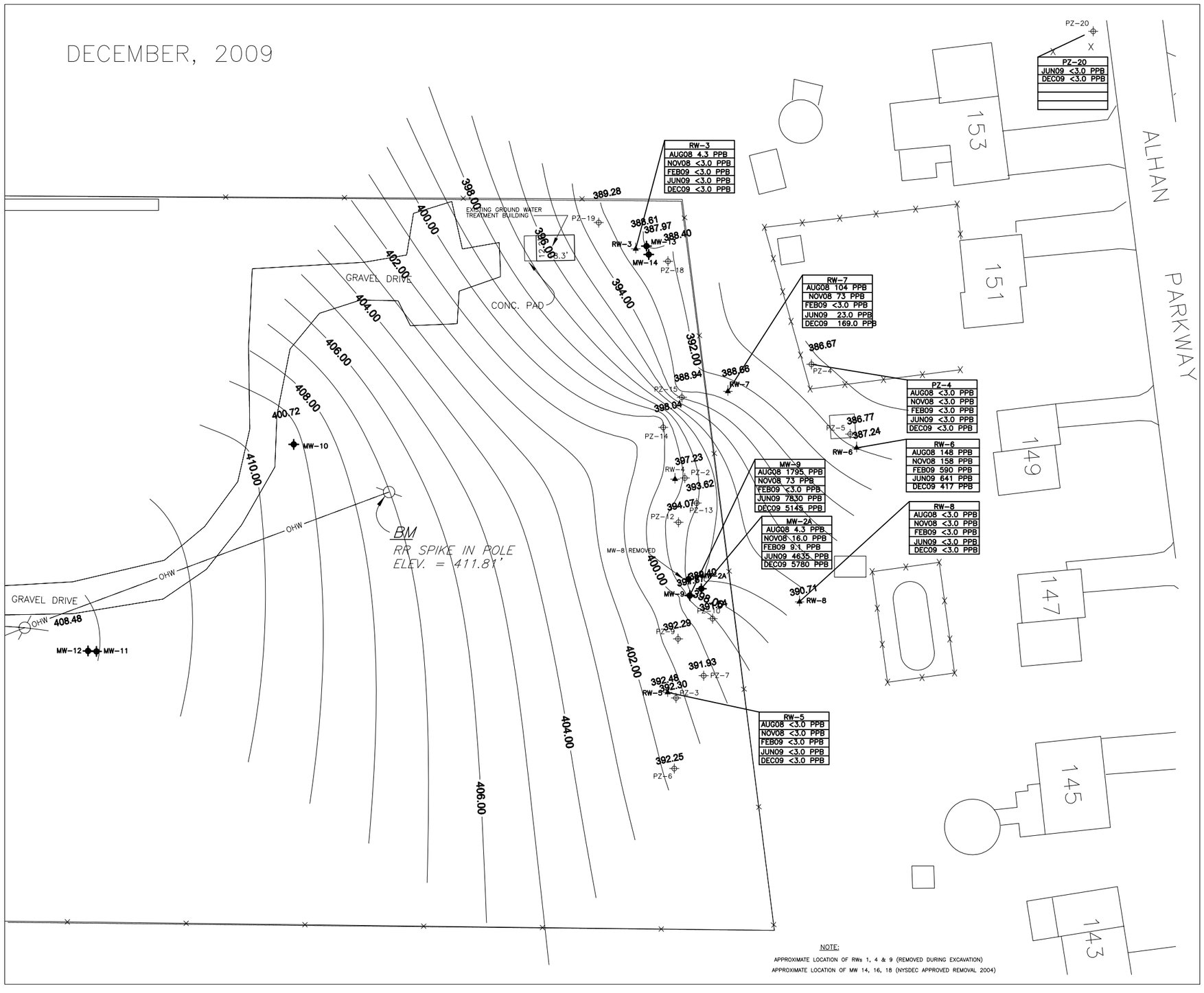
DRAWING NUMBER	APPROVED BY		REVISED		DRAWN BY		OFFICE	X-REF	IMAGE
DEC09	---	---	OV	03/10/10	DEO	7-19-99	ALB	---	---

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

FIGURE 2a
GROUNDWATER CONTOURS
DECEMBER 2009
MAESTRI SITE
904 STATE FAIR BLVD.
GEDDES, NEW YORK

IMAGE	X-REF	OFFICE	DRAWN BY	REVISED	APPROVED BY	DRAWING NUMBER
---	---	ALB	DEO	03/10/10	---	SUMDEC09
			7-19-99	OV	---	

DECEMBER, 2009



LEGEND

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

SCALE

0 30 60 90 FEET

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

FIGURE 2b
GROUNDWATER CONTOURS
WITH XYLENE CONCENTRATION SUMMARY
MAESTRI SITE–DECEMBER 2009
904 STATE FAIR BLVD.
GEDDES, NEW YORK

Figure 3
Aquifer Thickness

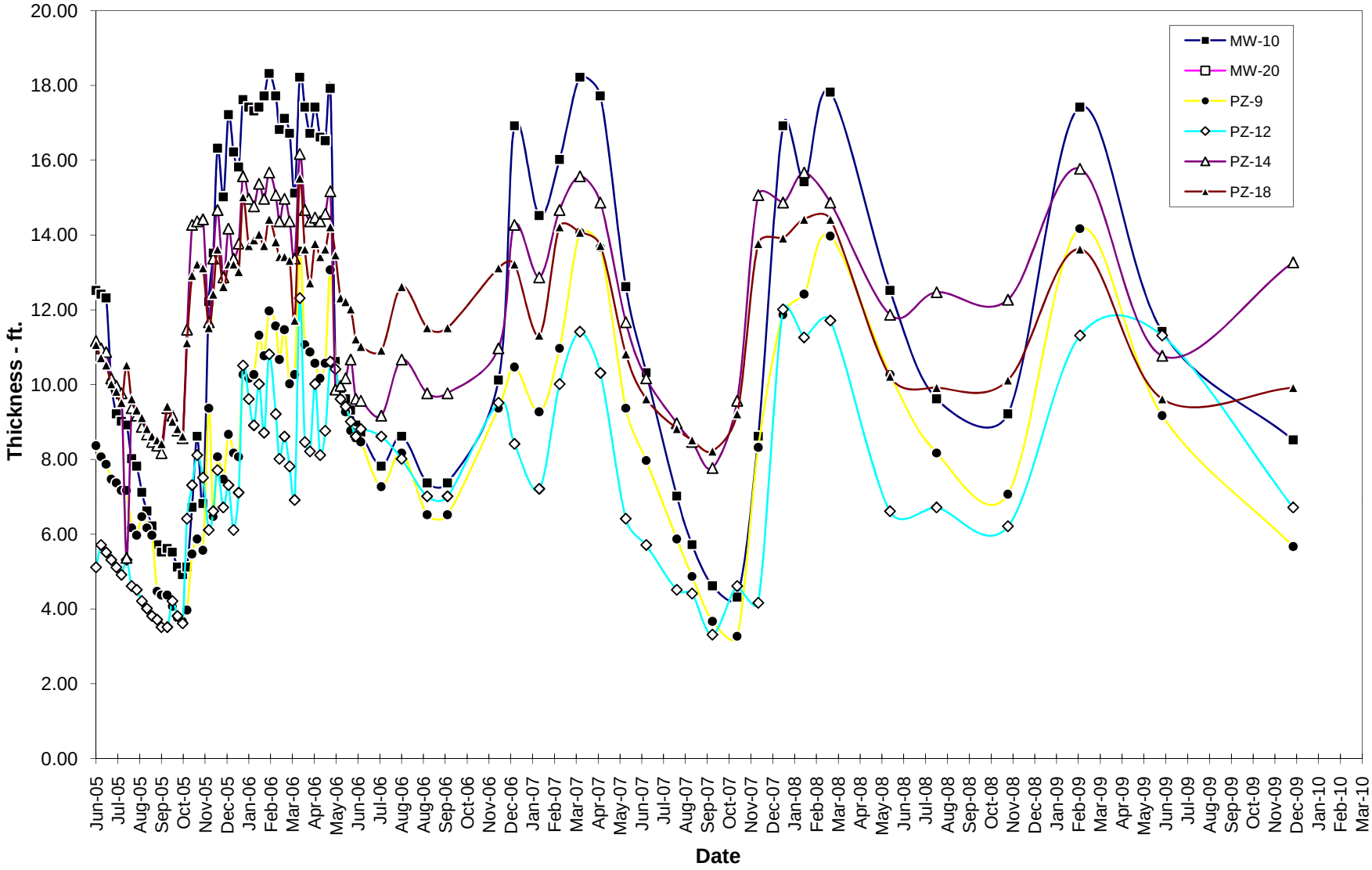


Figure 4
MW-2A (RW-2)

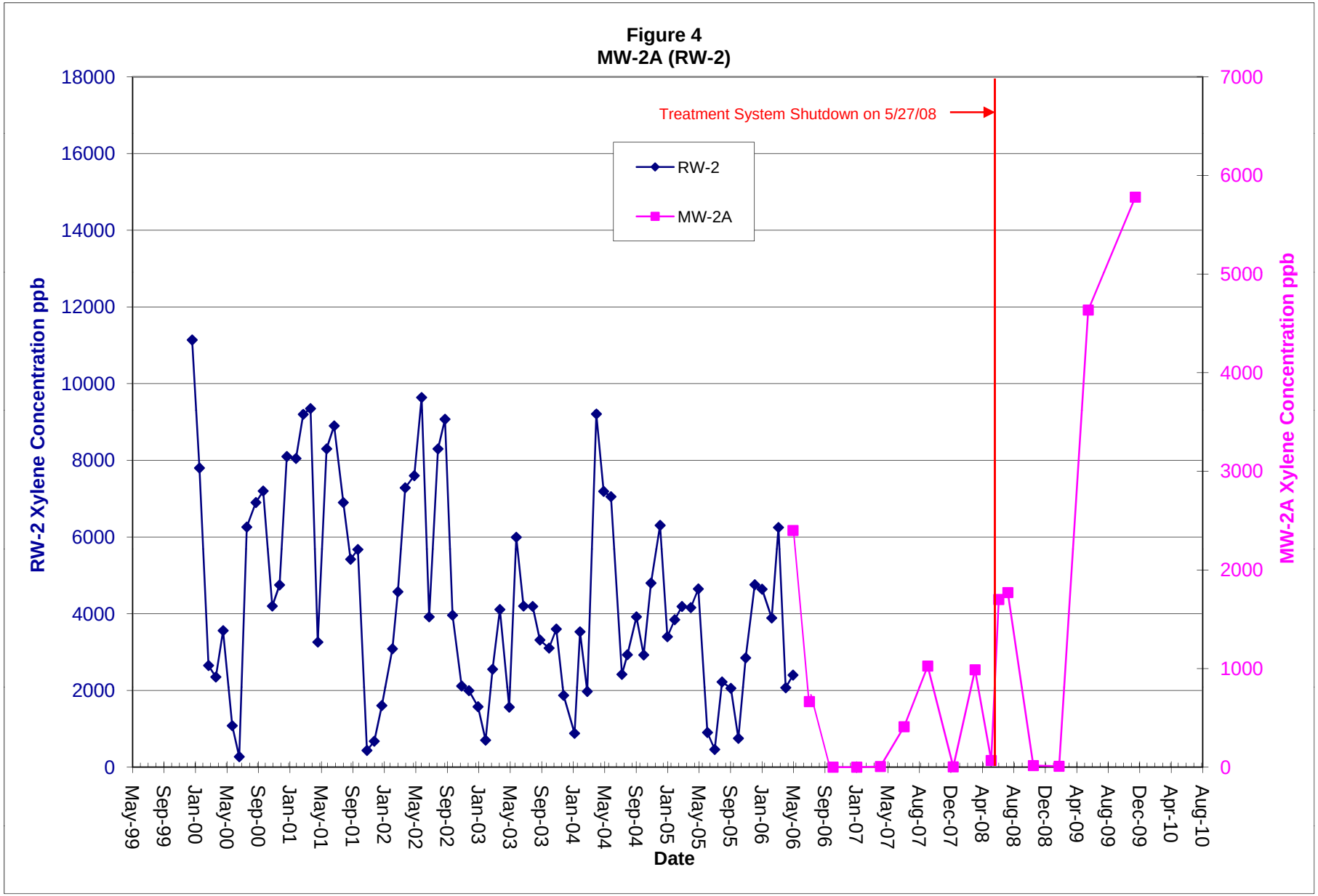
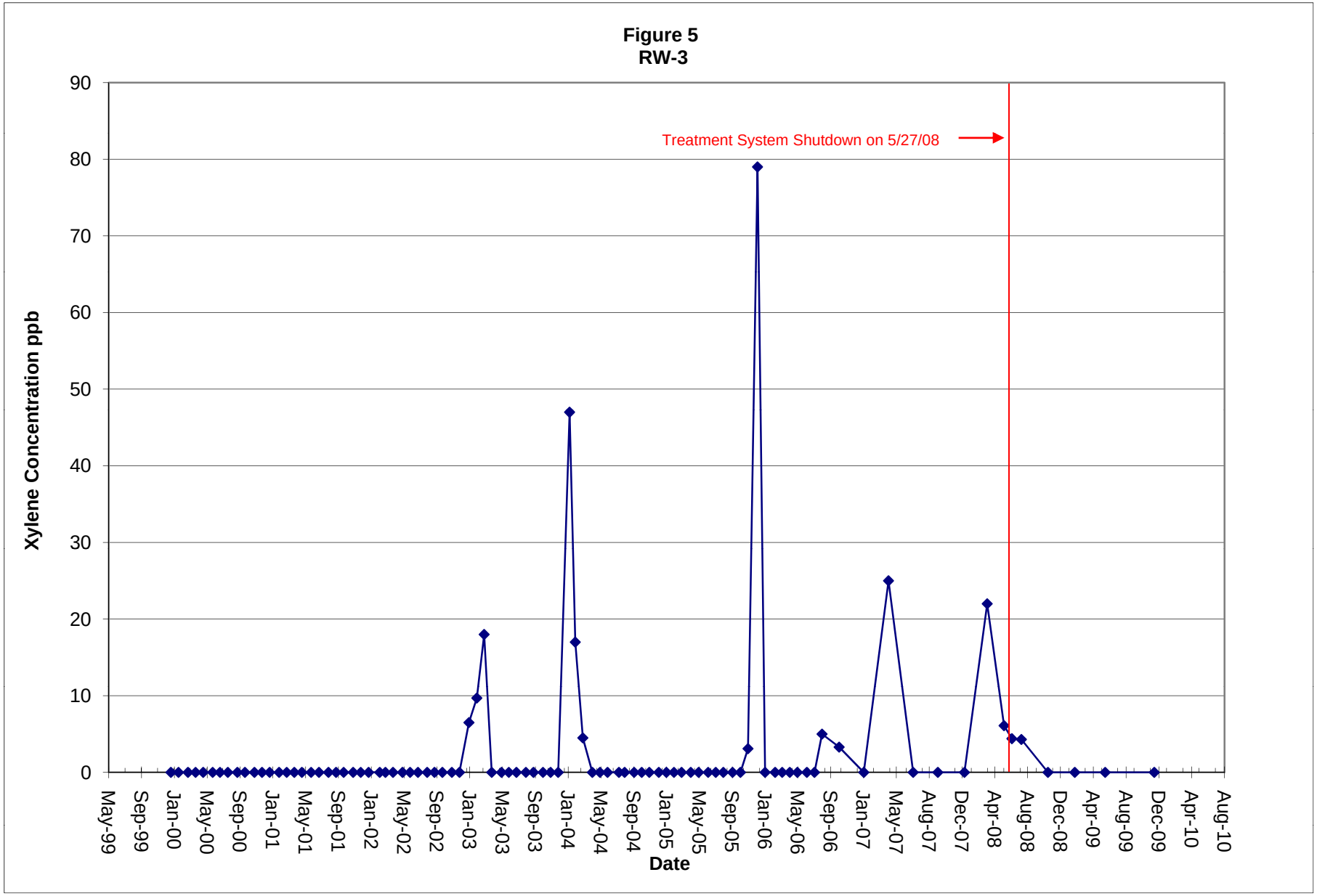


Figure 5
RW-3


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
Jan-04
May-04
Sep-04
Jan-05
May-05
Sep-05
Jan-06
May-06
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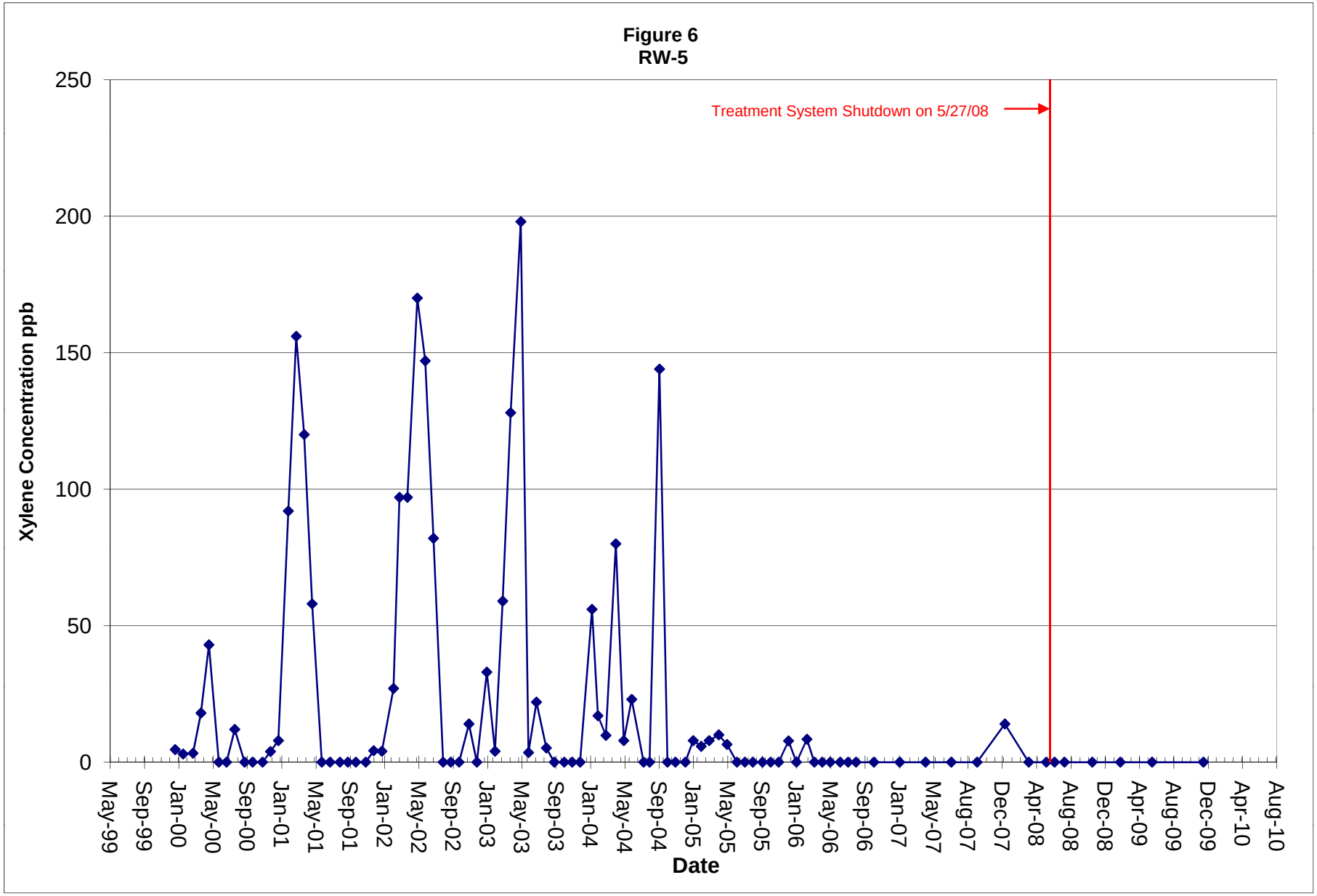
Jan-07
May-07
Aug-07
Dec-07
Apr-08
Aug-08
Dec-08
Apr-09
Aug-09
Dec-09
Apr-10
Aug-10
Date

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
May-00
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Jan-01
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Sep-01
Jan-02
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Sep-02
Jan-03
May-03
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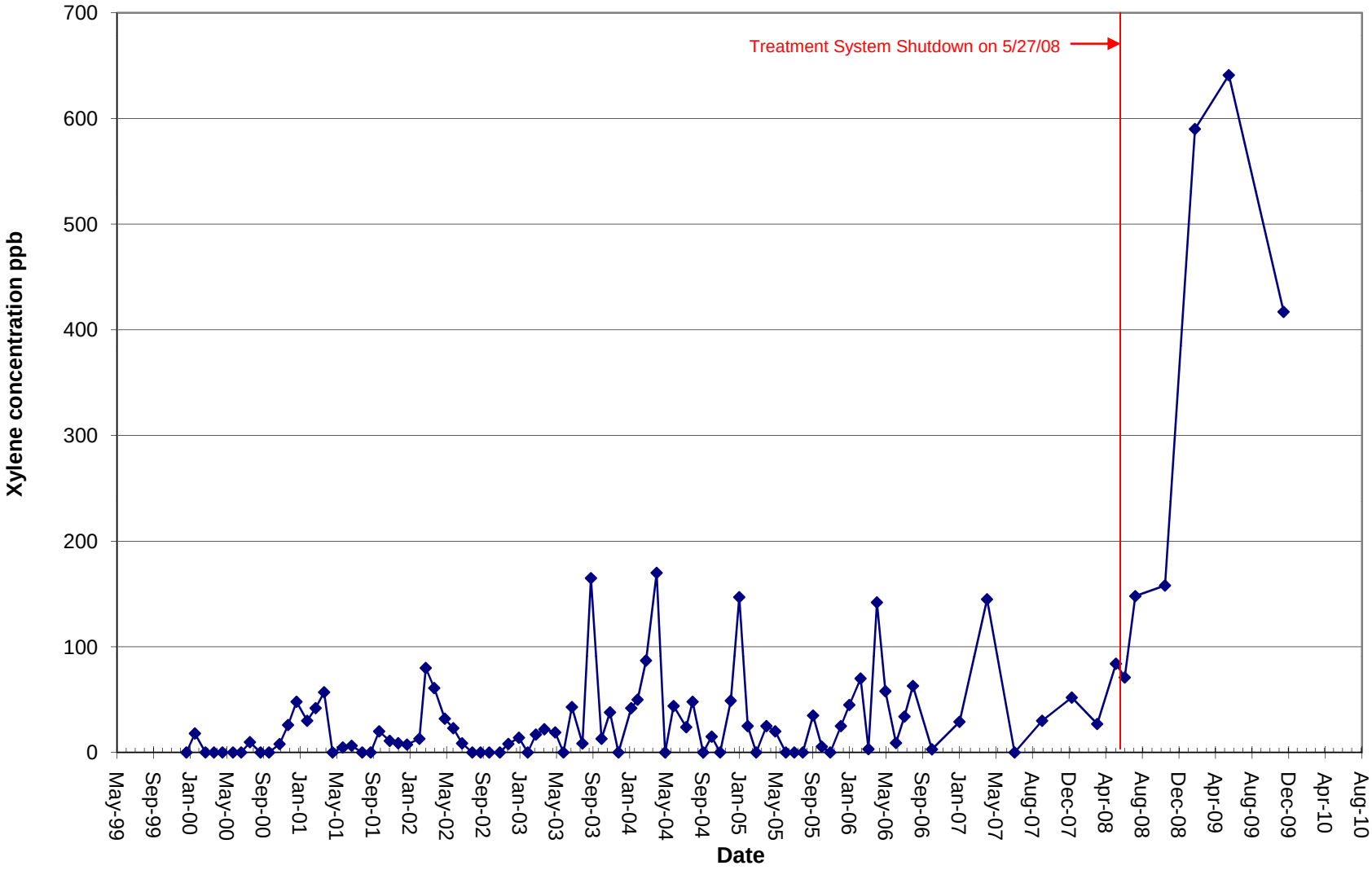
Aug-10
Date

Figure 7
RW-6


Treatment System Shutdown on 5/27/08
Xylene concentration ppb
700
600
500
400
300
200
100
0
May-99
Sep-99
Jan-00
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Jan-01
May-01
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May-02
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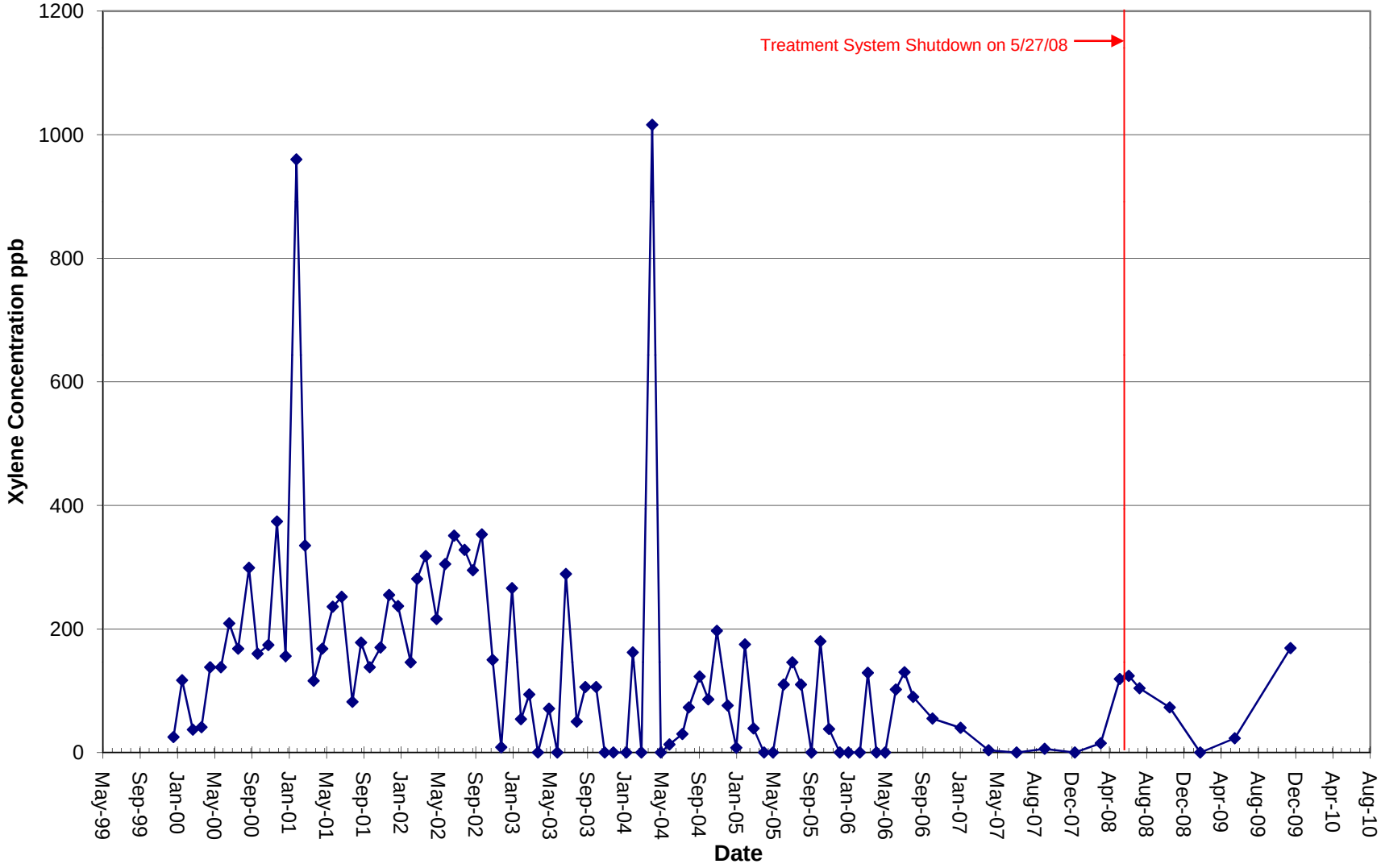
Apr-10
Aug-10
Date

Figure 8
RW-7


Treatment System Shutdown on 5/27/08
Xylene Concentration ppb
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1000
800
600
400
200
0
May-99
Sep-99
Jan-00
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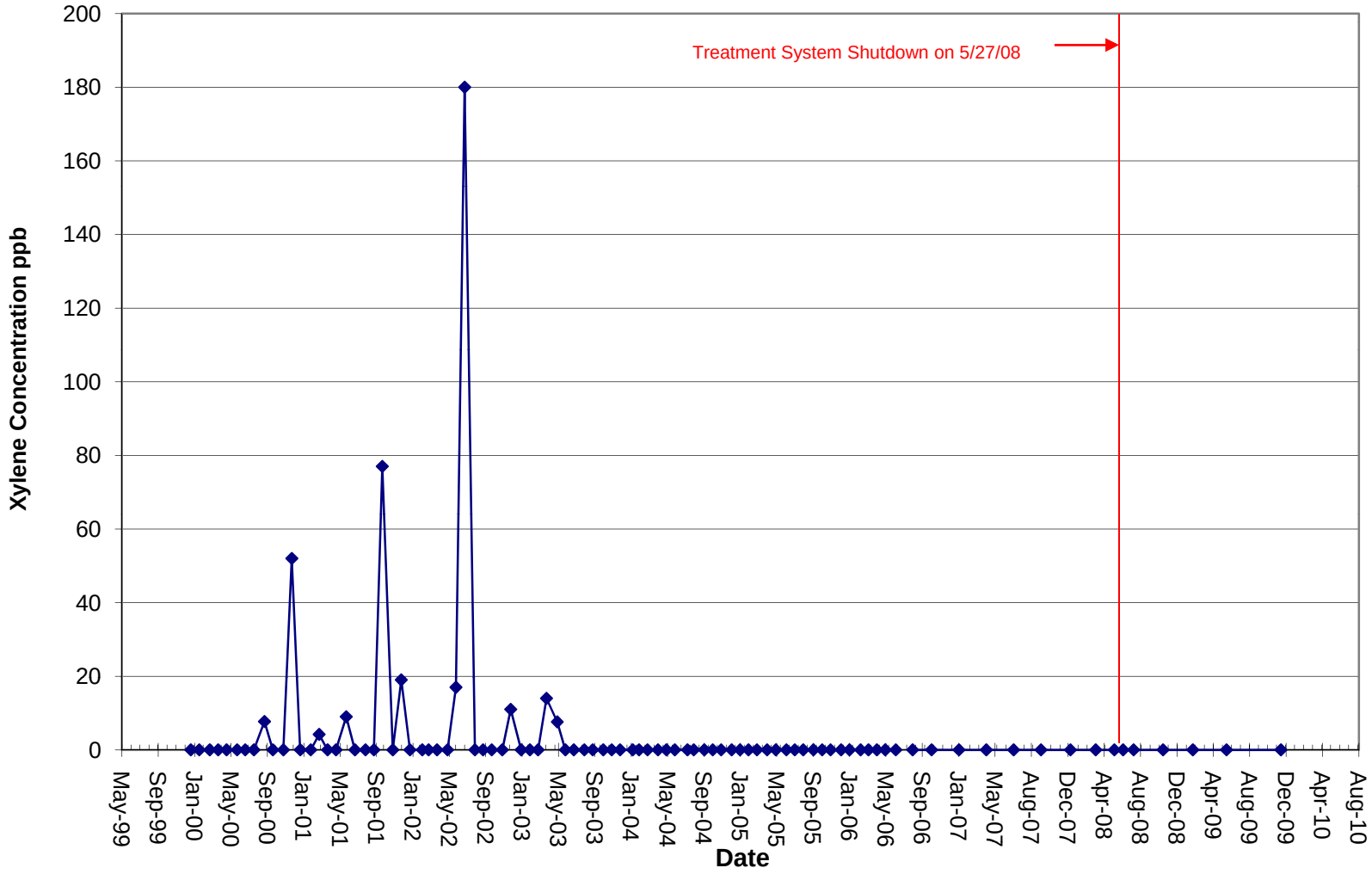
Aug-10
Date

Figure 9
RW-8


Treatment System Shutdown on 5/27/08
Xylene Concentration ppb
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180
160
140
120
100
80
60
40
20
0
May-99
Sep-99
Jan-00
May-00
Sep-00
Jan-01
May-01
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Apr-08
Aug-08
Dec-08
Apr-09
Aug-09
Dec-09
Apr-10
Aug-10
Date

ATTACHMENTS

ATTACHMENT 1

Well Sampling Field Reports

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)	12/8/09

Weather	Temperature
Sunny	High 35 Low 28

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	17.1	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	11.4	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	16.7	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	50.2	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/8/09	Pump/Method:	Grundfos
Purge Start Time:	14:50	Approx Flow Rate:	300 Hz
Purge Stop Time:	16:30	Approx Volume Removed:	
Did well dry out?			

Sampling		Date; Time:	12/8/09; 14:55	12/8/09; 15:50	12/8/09; 16:30
Sample ID:	RW7	pH	7.12	9.50	9.65
Sample Method:	Grab	Temp (C)	11.0	9.8	10.8
Sample Date:	12/8/09	Conductivity (mS/cm)	1.40	2.34	3.45
Sample Time:	16:30	TDS (ppt)	0.64	1.20	1.72

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	RW-5
Date(s)	12/8/09

Weather	Temperature
Sunny	High 35 Low 28

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	16.7	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	8.8	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	13.0	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	38.9	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/8/09	Pump/Method:	
Purge Start Time:	9:30	Avg Approx Flow Rate:	
Purge Stop Time:	17:00	Total Volume Removed (approx):	
Did well dry out?			

Sampling		Date; Time:	12/8/09; 9:37	12/8/09; 15:00	12/8/09; 17:00
Sample ID:	RW5	pH	7.27	7.30	9.36
Sample Method:	Grab	Temp (C)	9.7	9.4	8.6
Sample Date:	12/8/09	Conductivity (mS/cm)	1.48	0.98	1.06
Sample Time:	17:00	TDS (ppt)	0.73	0.48	0.53

Appearance

Cloudy, red brown to slightly red and 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-3
Date(s)	12/8/09

Weather	Temperature
Sunny	High 35 Low 28

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	18.4	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	7.9	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	11.6	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	34.9	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/8/09	Pump/Method:	Grundfos
Purge Start Time:	9:50	Avg Approx Flow Rate:	205 Hz – 207 Hz
Purge Stop Time:	13:05	Total Volume Removed (approx):	
Did well dry out?	Yes		

Sampling		Date; Time:	12/8/09; 10:00	12/8/09; 11:00	12/8/09; 13:05
Sample ID:	RW3	pH	7.15	9.30	9.34
Sample Method:	Grab	Temp (C)	10.9	11.0	10.5
Sample Date:	12/8/09	Conductivity (mS/cm)	1.30	2.37	2.45
Sample Time:	13:05	TDS (ppt)	0.64	1.18	1.23

Appearance

Clear/slightly yellow

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)	12/8/09

Weather	Temperature
Sunny	High 35 Low 28

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	17.0	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	6.0	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	15.7	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	47.0	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/8/09	Pump/Method:	Grundfos
Purge Start Time:	13:30	Avg Approx Flow Rate:	240 Hz
Purge Stop Time:		Total Volume Removed (approx):	
Did well dry out?			

Sampling		Date; Time:	12/8/09; 13:30	12/8/09; 14:15	12/8/09; 14:25
Sample ID:	MW2A	pH	8.22	8.66	8.77
Sample Method:	Grab	Temp (C)	11.2	11.5	11.4
Sample Date:	12/8/09	Conductivity (mS/cm)	2.03	2.10	2.14
Sample Time:	14:25	TDS (ppt)	1.01	1.04	1.06

Appearance

Cloudy, red brown
At halfway point, light rusty color

Comments

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)	12/8/09;12/9/09

Weather	Temperature
Sunny Snowy/freezing rain	High 35/38 Low 28/27

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	16.1	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	9.4	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	13.8	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	41.4	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/8/09; 12/9/09	Pump/Method:	
Purge Start Time:	9:30	Avg Approx Flow Rate:	
Purge Stop Time:		Total Volume Removed (approx):	
Did well dry out?	Yes		

Sampling		Date; Time:	12/8/09	12/9/09; 10:07	
Sample ID:	RW8	pH	7.40	7.13	
Sample Method:	Grab	Temp (C)	10.3	10.1	
Sample Date:	12/9/09	Conductivity (mS/cm)	1.01	0.93	
Sample Time:	10:07	TDS (ppt)	0.52	0.46	

Appearance

Clear

Comments

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)	12/8/09

Weather	Temperature
Sunny	High 35 Low 28

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	6.4	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	15.5	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	22.7	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	68.1	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/8/09	Pump/Method:	
Purge Start Time:	9:15	Avg Approx Flow Rate:	
Purge Stop Time:	10:23	Total Volume Removed (approx):	
Did well dry out?	No		

Sampling		Date; Time:	12/8/09; 9:33	12/8/09; 9:54	12/8/09; 10:23
Sample ID:	RW6	pH	7.27	7.95	7.99
Sample Method:	Grab	Temp (C)	9.2	9.3	8.9
Sample Date:	12/8/09	Conductivity (mS/cm)	2.27	1.84	1.78
Sample Time:	10:23	TDS (ppt)	1.13	0.92	0.89

Appearance

Gray, clear to clear, black flecks

Comments

DUP

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)	12/8/09

Weather	Temperature
Sunny	High 35 Low 28

Project	SMC Maestri	Project No.	E07-102
Location	304 State Fair Blvd, Syracuse, NY		

Well Info

Well #:	MW-9	Well Location:	Back yard of residence
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):	17.0	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	1.0	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	0.2	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	0.5	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/8/09	Pump/Method:	
Purge Start Time:	12:15	Avg Approx Flow Rate:	
Purge Stop Time:		Total Volume Removed (approx):	
Did well dry out?			

Sampling		Date; Time:	12/8/09; 13:40	12/8/09; 16:40	
Sample ID:	MW9	pH	6.99	7.05	
Sample Method:	Grab	Temp (C)	10.5	10.1	
Sample Date:	12/8/09	Conductivity (mS/cm)	1.28	1.32	
Sample Time:	16:40	TDS (ppt)	0.64	0.62	

Appearance

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)	12/9/09

Weather	Temperature
Snowy/freezing rain	High 38 Low 27

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	7.7	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	11.8	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	1.9	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	5.8	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/9/09	Pump/Method:	
Purge Start Time:		Avg Approx Flow Rate:	
Purge Stop Time:		Total Volume Removed (approx):	
Did well dry out?			

Sampling		Date; Time:	12/9/09; 9:00
Sample ID:	PZ4	pH	7.66
Sample Method:	Grab	Temp (C)	9.8
Sample Date:	12/9/09	Conductivity (mS/cm)	1.62
Sample Time:	8:50	TDS (ppt)	0.81

Appearance

Comments

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)	12/9/09

Weather	Temperature
Snowy/freezing rain	High 38 Low 27

Project	SMC Maestri	Project No.	E07-102
Location	304 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):	3.6	G. Volume Factors:	2-inch well = 0.163 gal/ft
D. Water Column Height (ft):	16.4	*= (A + B) - C*	4-inch well = 0.653 gal/ft
E. Total Well Volume (gal):	2.7	*=D*G*	6-inch well = 1.468 gal/ft
F. Purge (3 volumes) (gal):	8.0	*=E*3*	8-inch well = 2.609 gal/ft

Purge

Purge Date:	12/9/09	Pump/Method:	
Purge Start Time:	9:25	Avg Approx Flow Rate:	
Purge Stop Time:	9:35	Total Volume Removed (approx):	
Did well dry out?	No		

Sampling		Date; Time:	12/9/09; 9:50
Sample ID:	PZ20	pH	7.50
Sample Method:	Grab	Temp (C)	10.1
Sample Date:	12/9/09	Conductivity (mS/cm)	1.07
Sample Time:	9:40	TDS (ppt)	0.53

Appearance

Clear to cloudy

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: 12/16/2009

LAB No.	SAMPLE DATE	SAMPLE TIME	SAMPLER	DELIVERY TO LAB DATE	DELIVERY TO LAB TIME	MATRIX
578450	12/09/09	0850	Nicole Walsh	12/09/09	1050	WW
578451	12/08/09	1640	Nicole Walsh	12/09/09	1050	WW
578452	12/08/09	1425	Nicole Walsh	12/09/09	1050	WW
578453	12/08/09	1023	Nicole Walsh	12/09/09	1050	WW
578454	12/09/09	1007	Nicole Walsh	12/09/09	1050	WW
578455	12/08/09	1305	Nicole Walsh	12/09/09	1050	WW
578456	12/08/09	1700	Nicole Walsh	12/09/09	1050	WW
578457	12/08/09	1630	Nicole Walsh	12/09/09	1050	WW

CLIENT STATION ID	LAB NUMBER	Sample Receipt Temperature Degrees C	TOTAL XYLENES ug/L
PZ4	578450	5.0	< 3.0
MW9	578451	5.0	5145
MW2A	578452	5.0	5780
RW6	578453	5.0	417
RW8	578454	5.0	< 3.0
RW3	578455	5.0	< 3.0
RW5	578456	5.0	< 3.0
RW7	578457	5.0	169

Note: Samples analyzed by Method EPA 602.

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 as 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: 12/16/2009

LAB No.	SAMPLE DATE	SAMPLE TIME	SAMPLER	DELIVERY TO LAB DATE	DELIVERY TO LAB TIME	MATRIX
578458	12/08/09	1023	Nicole Walsh	12/09/09	1050	WW
578459	12/08/09	0915	Nicole Walsh	12/09/09	1050	WW
578460	12/09/09	0940	Nicole Walsh	12/09/09	1050	WW

CLIENT STATION ID	LAB NUMBER	Sample Receipt Temperature Degrees C	TOTAL XYLENES ug/L
Dup	578458	5.0	432
Trip	578459	5.0	< 3.0
P220	578460	5.0	< 3.0

Note: Samples analyzed by Method EPA 602.

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 as received by the Laboratory.

ATTACHMENT 3

Site Inspection Report

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.438.6809
Fax: 518.438.8527

Site Inspection Report

Date: 12/2/09
Time: 10:30 AM

Weather	Temperature
Dry, Sunny	High 50 / Low 30

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

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	
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	Could use maintenance
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']	X	RW-5 [24.5']	X
RW-2 (not online)		RW-8 [24.5']	
RW-3 [25.3']		RW-6 [21.8']	

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: [signature]

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

enviroSPEC ENGINEERING, PLLC
16 Computer Drive West
Albany, NY 12205
Phone: 518.438.6809
Fax: 518.438.8527

Date: 12/2/09
Time:

Site Inspection Report

Continuation Page(s)

Page 1 of 1

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

General Site Observations:

- Some tree debris along fence
- some standing water

Follow-up: *Indicate actions required, person(s) contacted, and dates for completion*

Signature of Inspector: