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consulting environmental engineers

March 4, 2008

Mr. Carl Cuipylo
Engineering Geologist
Division of Environmental Remediation
NYS Department of Environmental Conservation
615 Erie Boulevard West
Syracuse, NY 13204

Re: SCM Site - Town of Cortlandville - 2007 Annual Report

Dear Carl:

This report will summarize the remediation activities at the subject site during the year 2007 and is submitted in support of the consent agreement between SCM and NYSDEC. The report will also summarize well monitoring for the year and present analysis of data trends. The property is owned by S.C.W.P., LLC and this report is submitted at SCWP's direction, consistent with agreements between SCM and SCWP. In previous years Michael Chernago has been responsible for SCWP's remediation activities, but Mr. Chernago retired in August 2007. Mr. Thomas Conrad has assumed Mr. Chernago's responsibilities and his office and contact information at the South Cortland facility remains the same.

Remediation System -The remediation system, consisting of a recovery well, an aeration tower, a pipeline and rock cascade, and an infiltration lagoon system, remains in place and has not been altered since its construction by SCM under agreement with NYSDEC. An Engineering Report reviewing the system was prepared at the Department's request and was published 9/27/06. As a result of declining trichloroethene (TCE) concentrations in the system influent, SCWP requested that the aeration tower be allowed to operate without fan-forced counter-current air flow provided that discharge concentrations were less than 5.0 ug/l. In a letter from Kevin Delaney, P.E., of NYSDEC, dated May 10, 2001, S.C.W.P., LLC was advised that the air stripper blower could be shut off if three conditions were met. Two of these stipulations were that groundwater still be treated through the air stripper and that the blowers (primary and back-up) remain in operating order. The third condition required monthly sampling of influent and effluent samples with effluent results below the 5 ug/l regulatory limit. System performance samples have been taken on a monthly basis since May 2001 per that directive. Results have been graphed since the start of this remediation project and trendlines have been added to the current graphs. These graphs are attached as Figs. A, B, and C.

In 2007 the system pumped and treated approximately 342 million gallons and removed approximately 24 lb of TCE. Although Mr. Conrad reports that there was no downtime for equipment failure, the flow rate was reduced for approximately 7 weeks to allow maintenance activities in both lagoons. In addition to normal scarification activities with a tractor, both lagoons were drained and a track-mounted excavator raked the bottom surface to break up lime accumulations and remove algae deposits. The average pumping rate for the year was 675 gpm. The system consistently discharged water conforming with Mr. Delaney's TCE limit of 5.0 ug/l. During 2007 twelve sets of samples were analyzed. The average influent concentration was 9.5 ug/l and the average discharge concentration was 1.6 ug/l. The two blowers remain in operational condition as per Mr. Delaney's stipulation.

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Monitoring Well System - There are 18 monitoring wells on SCWP property that were associated with the original order on consent. The order stipulates a target cleanup objective of 5.0 ug/l. In 2006 the Department placed approximately 8 additional wells on SCWP property along Lime Hollow Road and some sampling was completed during 2006. Under agreement with the Department, SCWP samples and analyzes the original monitoring wells annually. The wells were sampled on 11/27/07 and the data are summarized in this the historical database provided in Fig. N. Due to an anomaly in water levels on that date, the water levels were measured again on 2/25/08 and both sets of data are included in this report. Water level data are provided in Fig. D.

- Perimeter (Lime Hollow Rd.) Shallow Wells – Wells along the northern property line; MW-5s, MW-1s, MW-10s, MW-2s, and MW-4s, continue to indicate a slightly decreasing, trend (see Fig. A). Four of these wells have TCE concentrations meeting the cleanup objective of 5.0 ug/l, with MW-10s at 8.4 ug/l. MW-10s data are graphed separately for the previous ten years to more clearly indicate the trend (see Fig. E).

- Perimeter Deep Wells – Wells MW-5d, MW-1d, MW-10d, and MW-4d trends are similar to the shallow wells (see Fig. F). All meet the cleanup objective of 5.0 ug/l except well MW-10d which has a TCE concentration of 5.8 ug/l.

- Interior Shallow Wells – Wells MW-3, MW-6, MW-7, MW-8, and MW-12s continue to exhibit decreasing concentration trends, with only MW-6, MW-7 and MW-12s exceeding the cleanup objective (see Fig. G). As in the past, MW-12s had the highest TCE concentration on the site at 25 ug/l.

- Interior Deep Wells – Wells MW-9 and MW-12d both met cleanup objectives with respective TCE concentrations of 4.8 and 4.4 ug/l. (see Fig. H)

In summary, the monitoring well data continue to indicate declining concentration trends. The most significant indicator wells are MW-10s (at the northern boundary, see Fig. J) and MW-12s near the plume apex. If the trends continue in a linear manner, MW-10s would be expected to meet the cleanup objective in 5-8 years and MW-12s would meet the cleanup objective in 20-25 years.

Groundwater Flow Direction – At the Department's request, groundwater isopotentiometric surfaces were plotted and groundwater flow direction estimated for both the shallow well data and the deep well data for the sampling date of 11/27/07. It is immediately apparent that the water table was mounded in the vicinity of the MW-1 set, particularly apparent in the shallow well. The field sampler had noted a loud rushing noise in the MW-1s well casing at the time of sampling. In an attempt to determine a source for this anomaly weather records were researched. On 11/26/07, the day prior to sampling, a rainfall event of 0.4" total precipitation occurred. The parking lots and much of the rooftop storm drains are directed to a stormwater lagoon that pre-dates the two infiltration lagoons. (this lagoon is shown on Fig. J) The MW-1 well set is located in a low area immediately downgradient (north) of the stormwater lagoon. Because the water level data appeared anomalous from historical data, the wells were re-gauged on 2/25/08 and new isopotentiometric surfaces plotted. (see Figs. J-M)

It is apparent from all plots that the recovery well continues to depress the water table to an elevation lower than any of the wells in the monitoring system.

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Planned 2008 Activities – SCWP has identified certain activities that it plans to evaluate and/or implement during the coming year as outlined below:

- The gate valve in the valvehouse structure between the two lagoons is not completely operational due to lime buildup on the seat and gate. SCWP intends to shut down the system for 1-2 days in the summer of 2008 to disassemble and repair the gate valve.
- As in prior years, the system will need to be valved down or shut down for a few days to scarify the lagoons in the summer. This task may be coordinated with the gate valve repair.
- It has been noted that flow rates from the main 100 hp well pump have declined somewhat. SCWP will contact Gartner equipment, the original pump supplier, to determine if impellor clearances can be adjusted to increase the output, or other action recommended. The pump and motor have been extremely reliable and have operated for approximately 20 years almost continuously.

Please let me or Tom Conrad know if there are questions concerning this report or the data presented.

Sincerely,

John H. Buck, P.E.
President

Attachments:

Fig. A-C	Graphs of Remediation System TCE concentrations
Fig. D	Table of Water Levels in Wells
Fig. E	Graph of TCE Levels in Perimeter Shallow Wells
Fig. F	Graph of TCE Levels in Perimeter Deep Wells
Fig. G	Graph of TCE Levels in Interior Shallow Wells
Fig. H	Graph of TCE Levels in Interior Deep Wells
Fig. I	Graph of MW-10s 10-yr Trend
Fig. J-M	Site Maps with Groundwater Contours
Fig. N	Monitoring Well Historical Database
Appendix	Laboratory Reports (Microbac-New York)

CC:
K. Ochs (SCWP)
R. Shafer, Esq. (RS&S)
T. Conrad (SCWP)
J. McCreary Esq. (NP)
S. Kalette, Esq. (SCM)
J. Helgren (CCHD)
P. Reidy (CCS&W)

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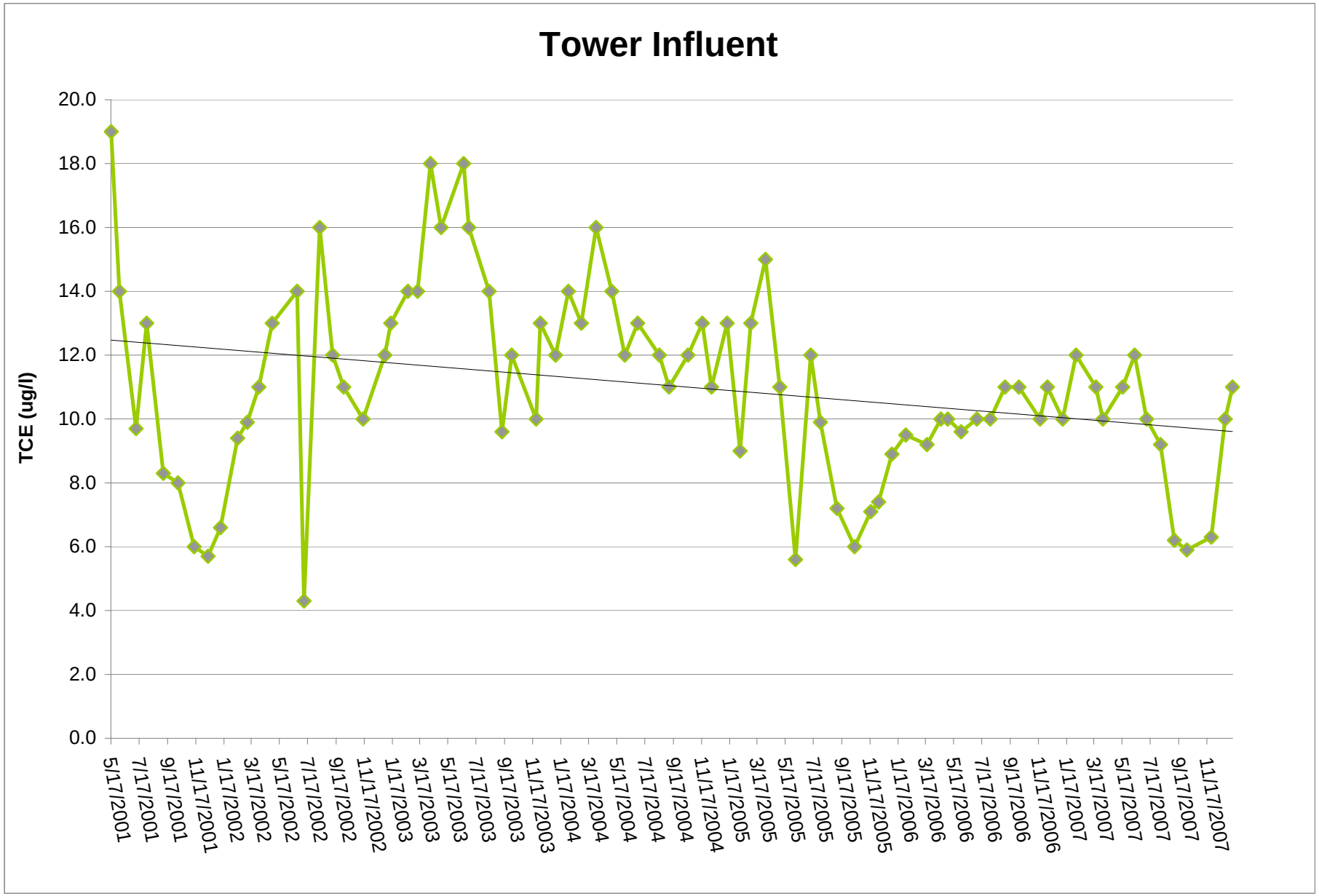

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Fig. A

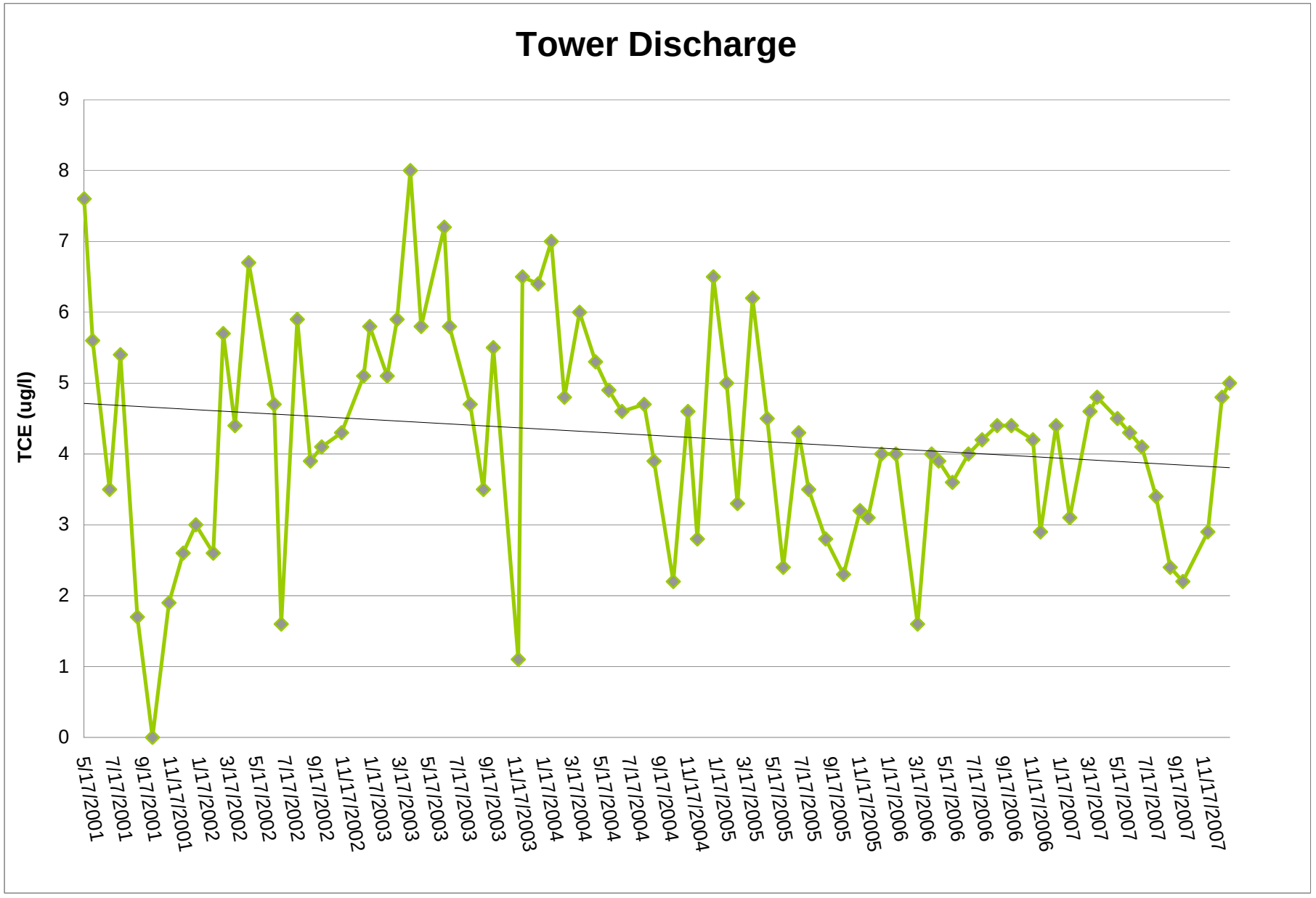

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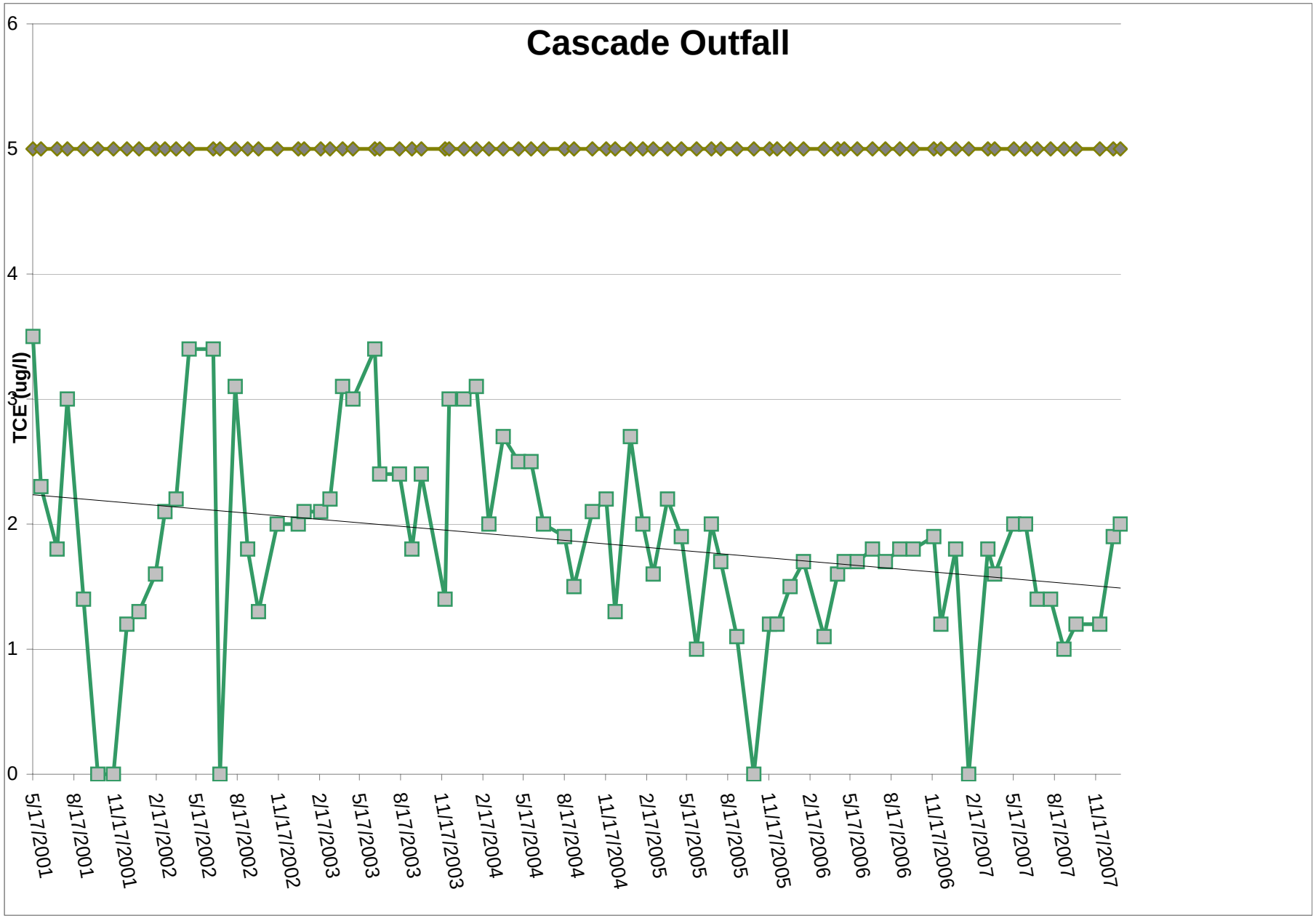
Fig. B



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r:\SCWP_VOC_monthly graph.xls

Fig. C

Groundwater Elevation Measurements at SCWP Site, Town of Cortlandville, NY

NUMBER	reference** CASING ELEV.	CATEGORY.	ELEV 12/5/2005	ELEV 4/7/2006	ELEV 5/3/2006	ELEV 11/20/2006	ELEV 11/27/2007	ELEV 2/25/2008
MW-1S	1185.75	s	1164.69	1167.33	1166.15	1167.44	1165.29	1168.95
MW-1D	1185.85	d	1164.71	1167.3	1166.08	1167.39	1163.44	1168.89
MW-2S	1210.91	s	1164.86	1167.47	1166.15	1167.71	1163.49	1169.25
MW-2D	1211.61	d			na	na	na	na
MW-3	na	s			na	na	na	na
MW-4S	1209.72	s	1165.48	1168.1	1166.52	1168.47	1163.98	1169.99
MW-4D	1210.14	d	1165.23	1167.58	1166.12	1168.02	1163.74	1169.44
MW-5S	1178.46	s	1165.14	1168.04	1167.06	1168.06	1163.26	1169.6
MW-5D	1178.86	d	1164.66	1167.28	1166.28	1167.35	1162.74	1168.84
MW-6	1212.20	s	1166.29	1170.15	1168.66	1170.11	1165.11	1172.33
MW-7	1213.82	s	1165.92	1169.33	1167.77	1169.31	1164.57	1171.34
MW-8	1212.76	s	1166.39	1170.24	1168.69	1170.20	1165.11	1172.44
MW-9	1212.94	d	1165.68	1168.94	1167.45	1169.02	1164.36	1170.92
MW-10S	1207.23	s	1164.7	1167.29	1166.02	1167.46	1163.39	1168.97
MW-10D	1207.52	d	1164.59	1167.17	1165.89	1167.34	1163.27	1168.78
MW-11	1214.44	s	1166.18	1169.59	1168.00	1169.69	1164.79	1171.71
MW-12S	1212.94	s	1165.47	1168.65	1167.13	1168.76	1164.13	1170.66
MW-12D	1212.80	d	1165.29	1168.37	1166.82	1168.42	1163.97	1170.3
MW-BE1	1208.06	s			na	na	na	na
MW-BE2	1210.55	s			na	na	na	na
piezom	1212.59	s	na	1167.535	1166.22	1167.71	1163.51	1169.31
Recov Wel	1205.62	s&d	na	na	1164.66	1166.07	1162.06	1168.06

** Well casing elevations were determined from survey by Jim Stockwin, LS, 2006

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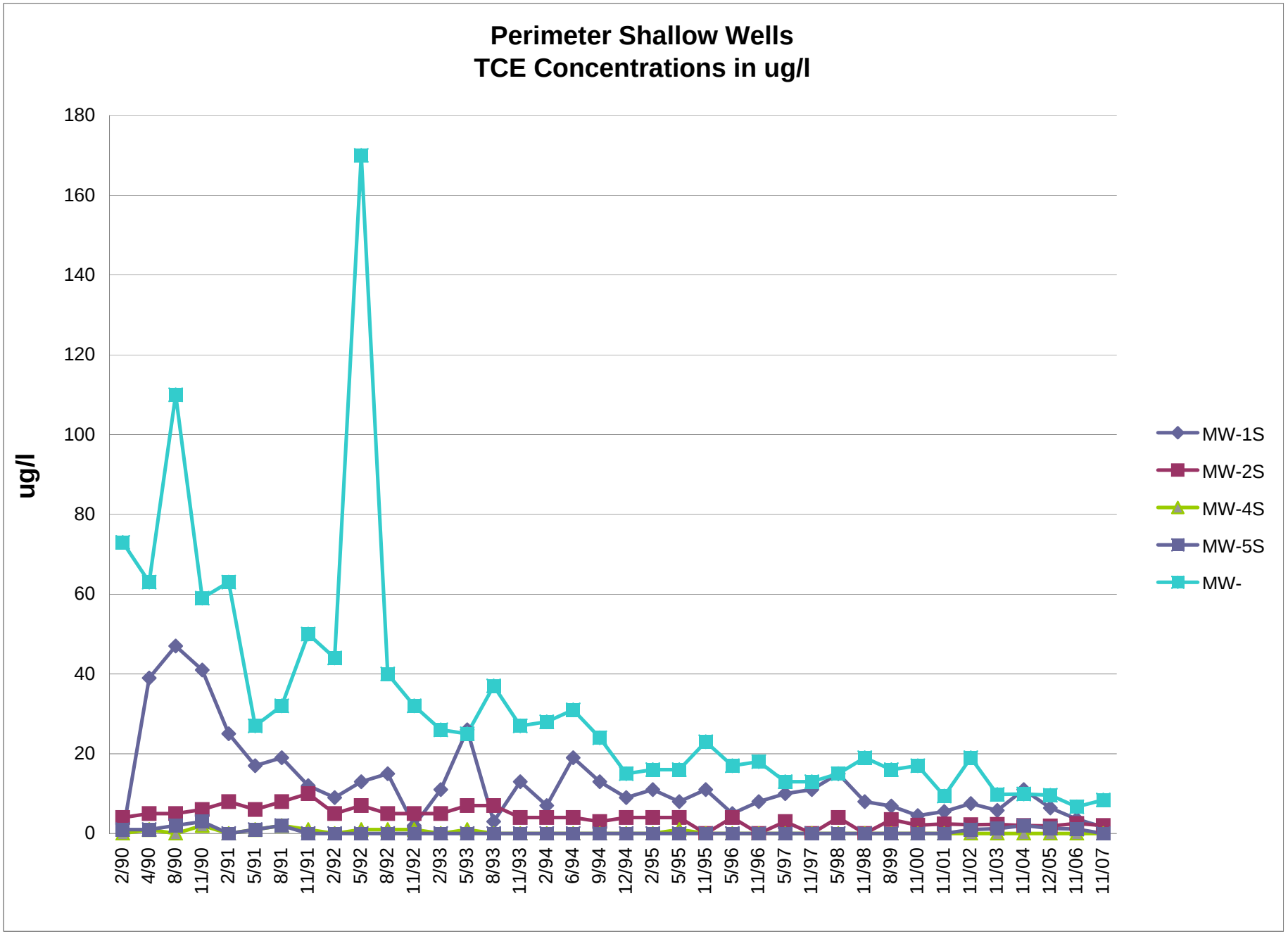
Fig. D



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r:\graphs historical TCE

Fig. E

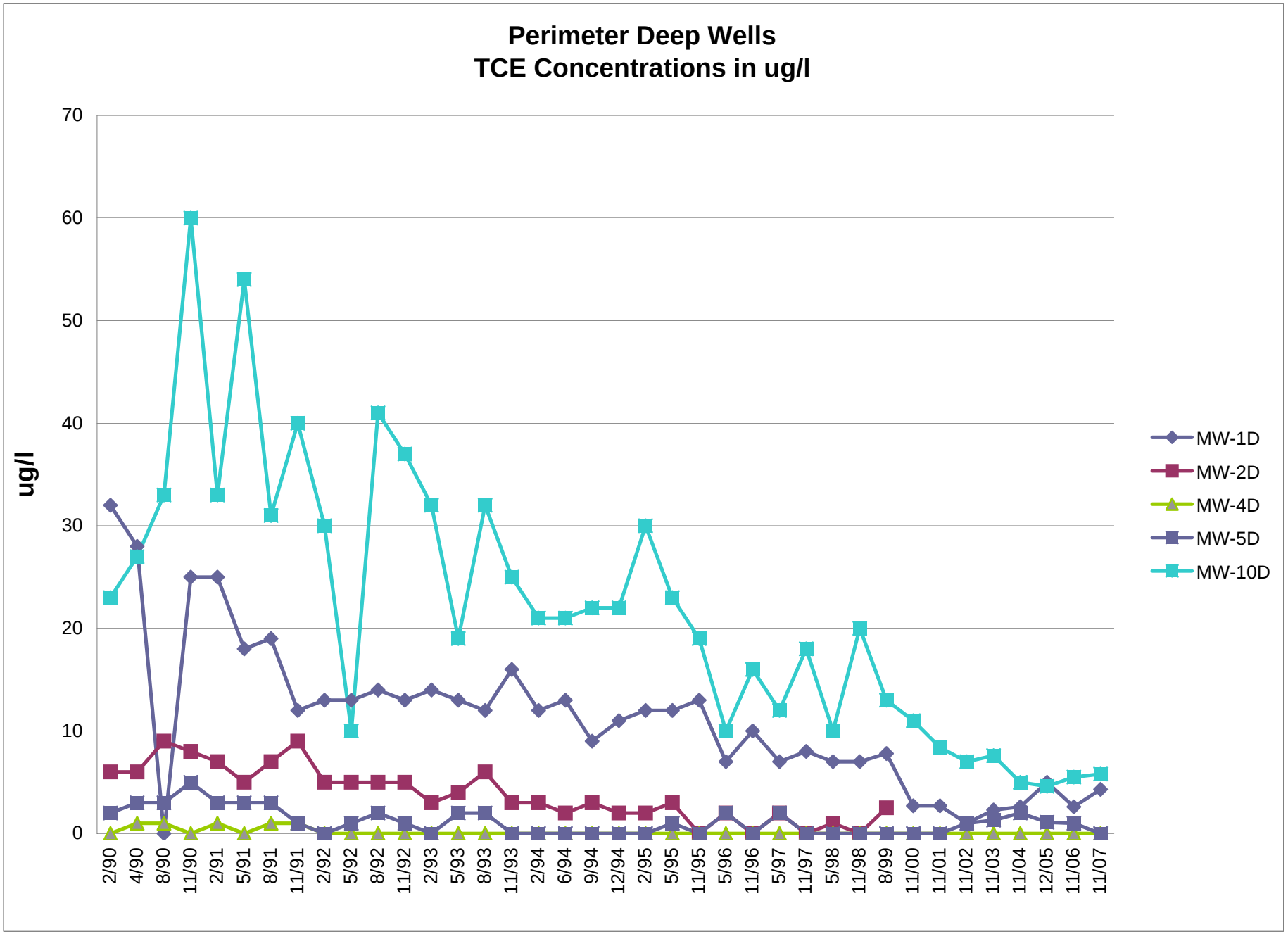

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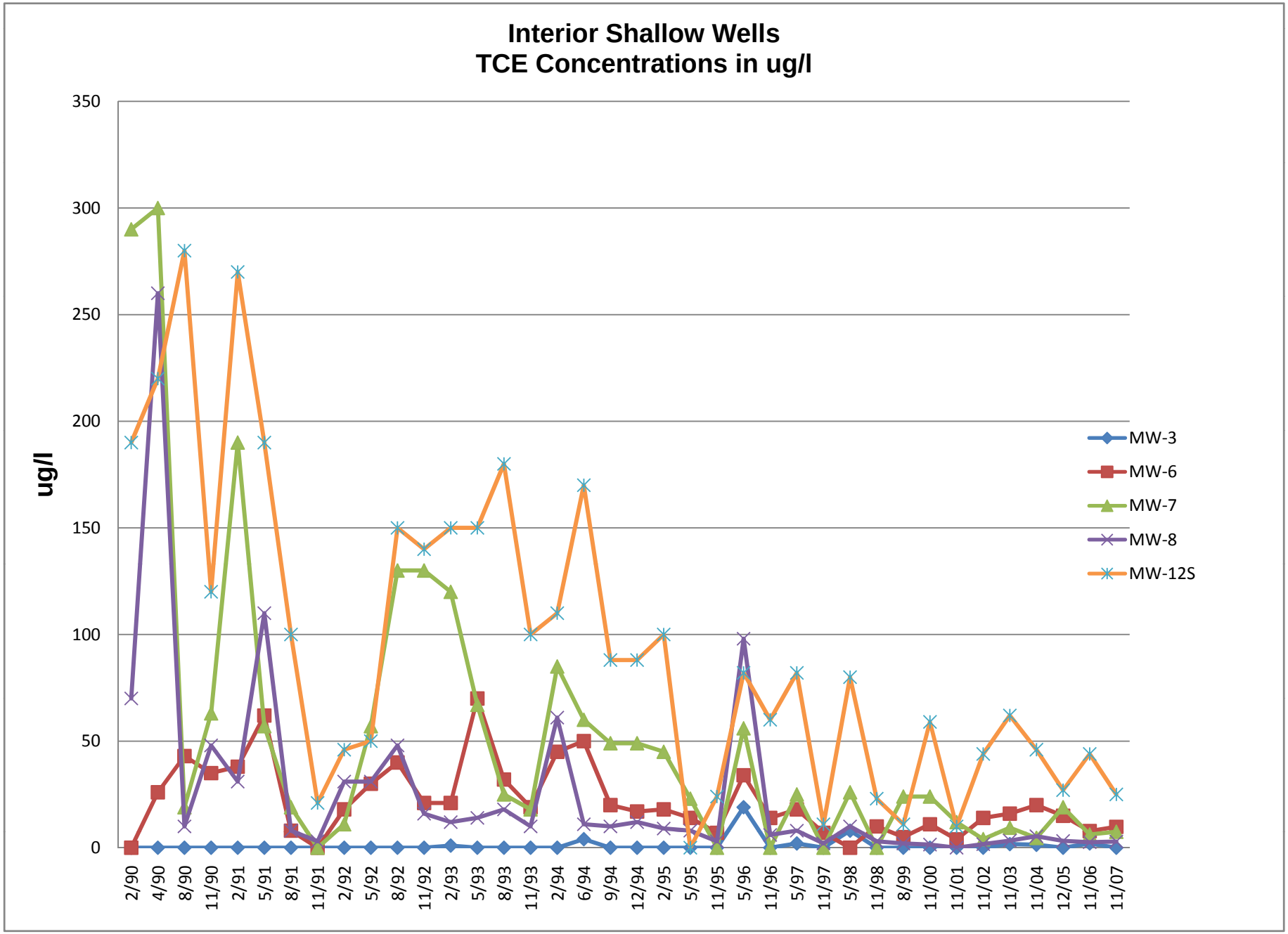
Fig. F



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R:\graphs historical TCE

Fig. G

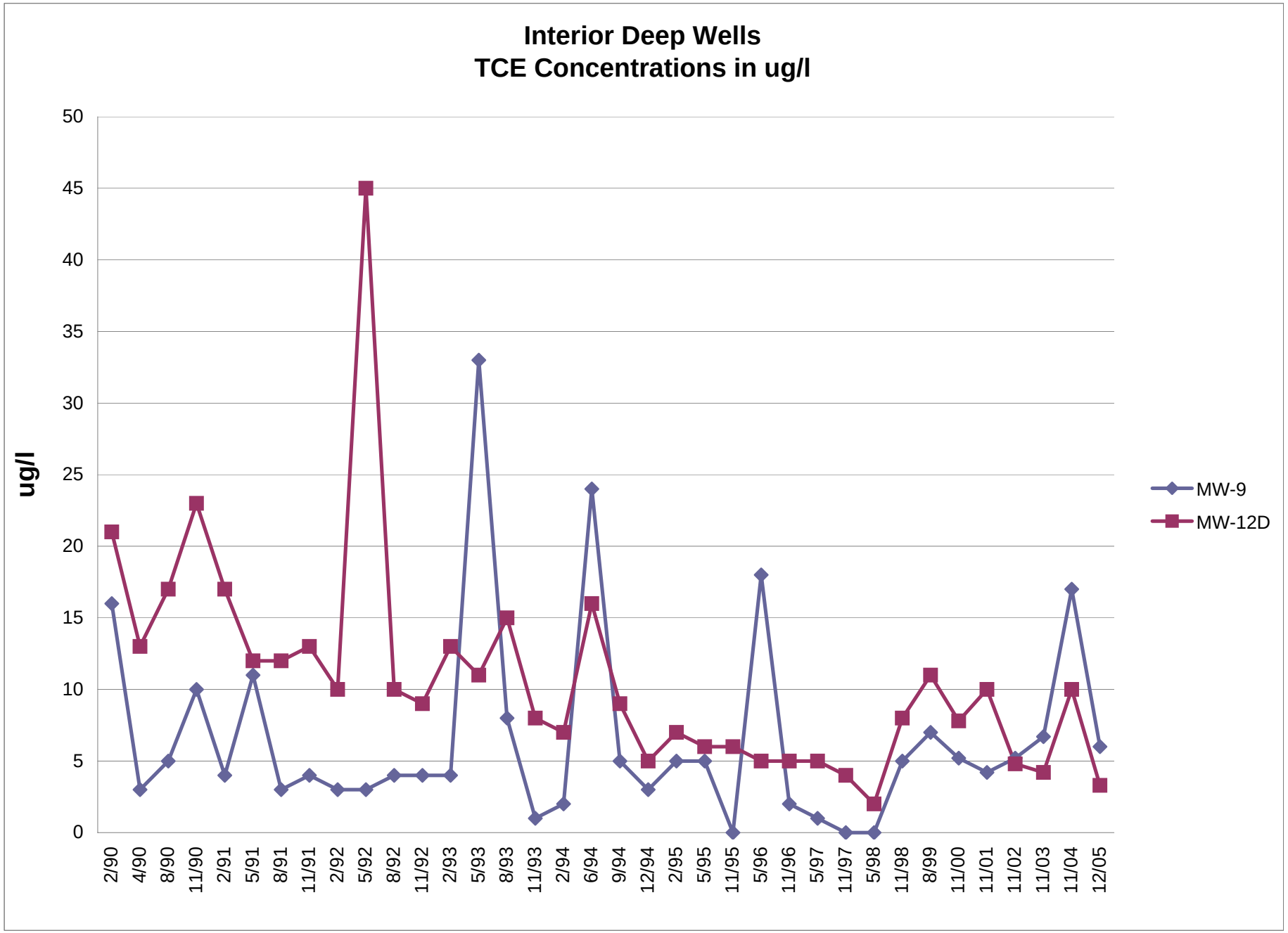

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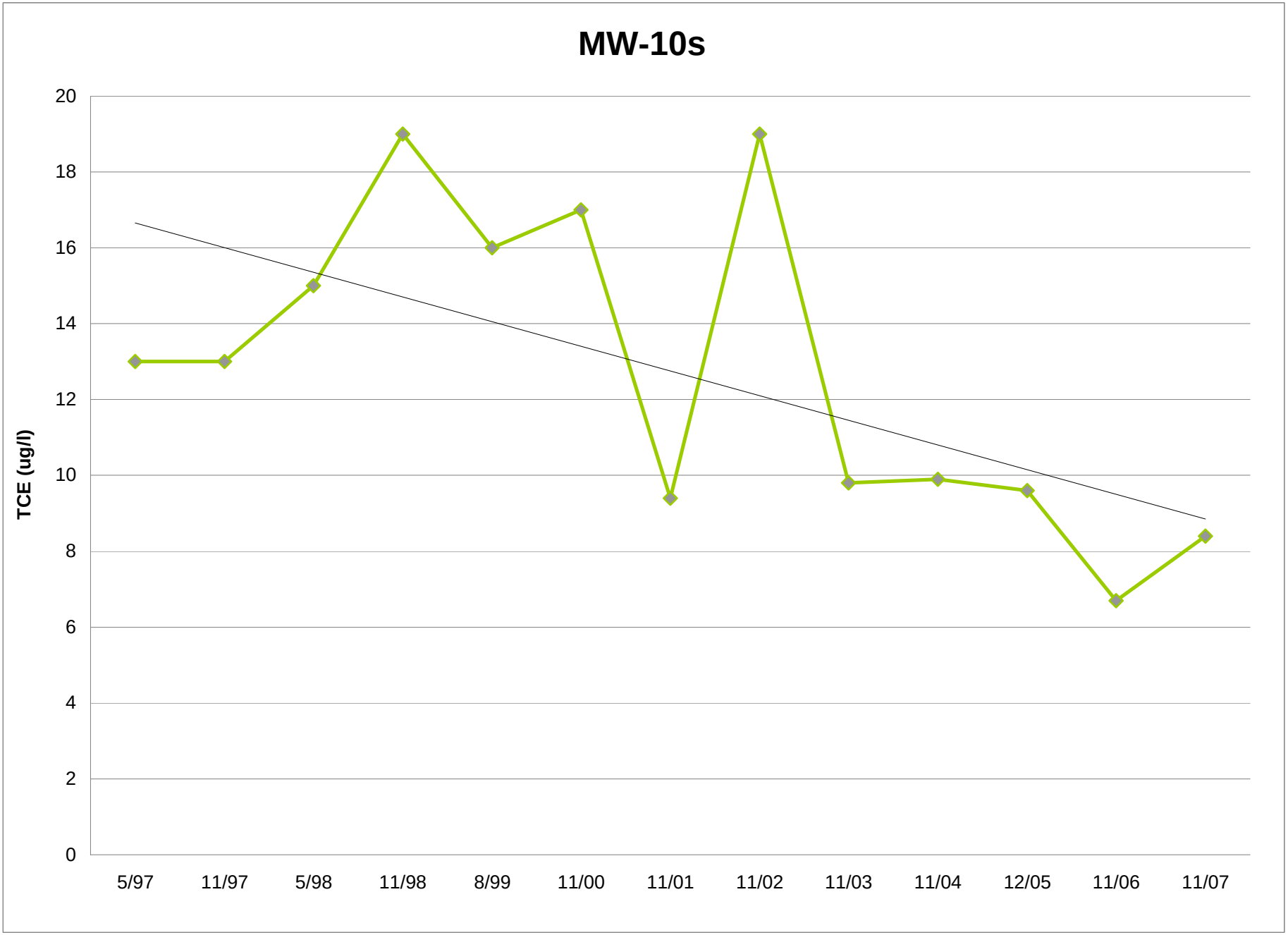
Fig. H



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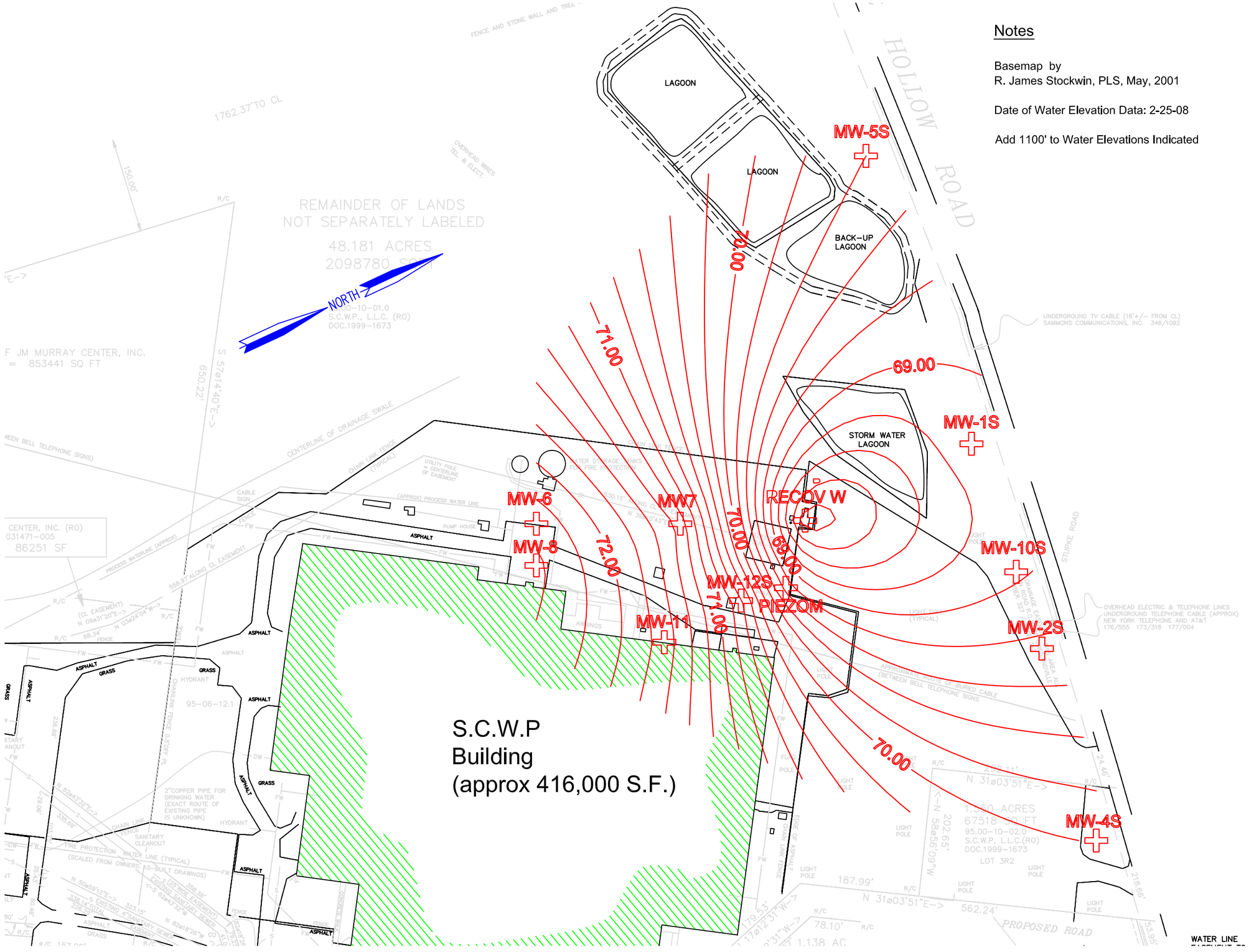
R:\graphs historical TCE

Fig. I

Fig. J



Notes

Basemap by
R. James Stockwin, PLS, May, 2001

Date of Water Elevation Data: 2-25-08

Add 1100' to Water Elevations Indicated

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LICENSED PROFESSIONAL ENGINEER
JOHN H. BUCK
No. 55460
STATE OF NEW YORK

GROUNDWATER CONTOURS SHALLOW WELLS, 2-25-08

No.	Revision/Issue	Date

S.C.W.P., LLC
Town of Cortlandville,
New York

Date:	2-26-08
Project:	S.C.W.P.,LLC.
Scale:	1"=150'
Drawn By:	JRH

FNAME 2_25_08Sfinal.dwg
REVDATE
USER

Fig. K

Notes

Basemap by
R. James Stockwin, PLS, May, 2001

Date of Water Elevation Data: 2-25-08

Add 1100' to Water Elevations Indicated

LAGOON

LAGOON

BACK-UP LAGOON

MW-5D

HOLLOW ROAD

REMAINDER OF LANDS
NOT SEPARATELY LABELED
48.181 ACRES
2098780 SQ FT

NORTH

F JM MURRAY CENTER, INC.
= 853441 SQ FT

STORM WATER LAGOON

MW-1D

RECOVW

69.00

MW-12D

MW-10D

MW-9

MW-2D

69.00

MW-4D

S.C.W.P
Building
(approx 416,000 S.F.)

WATER LINE

BUCK ENGINEERING, LLC
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Cortland, NY 13045
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LICENSED PROFESSIONAL ENGINEER
JOHN H. BUCK
No. 55460
STATE OF NEW YORK

GROUNDWATER CONTOURS DEEP WELLS, 2-25-08

No.	Revision/Issue	Date

S.C.W.P., LLC
Town of Cortlandville,
New York

Date:	2-26-08
Project:	S.C.W.P.,LLC.
Scale:	1"=150'
Drawn By:	JRH

FNAME 2_25_08Dfinal.dwg
REVDATE
USER

Fig. L

Notes

Basemap by
R. James Stockwin, PLS, May, 2001

Date of Water Elevation Data: 11-27-07

Add 1100' to Water Elevations Indicated

LAGOON

LAGOON

BACK-UP LAGOON

STORM WATER LAGOON

HOLLOW ROAD

MW-5S

MW-1S

MW-6

MW-7

MW-8

MW-11

RECOV W

MW-10S

MW-12S

PIEZOM

MW-2S

MW-4S

64.00

64.00

64.00

64.00

65.00

REMAINDER OF LANDS
NOT SEPARATELY LABELED
48.181 ACRES
2098780 SQ FT

NORTH

95-10-10.0
S.C.W.P., L.L.C. (RO)
DOC.1999-1673

F JM MURRAY CENTER, INC.
= 853441 SQ FT

CENTER, INC. (RO)
031471-005
86251 SF

1.550 ACRES
67518 SQ FT
95.00-10-02.0
S.C.W.P, L.L.C.(RO)
DOC.1999-1673
LOT 3R2

1.138 AC

95-06-12.1

S.C.W.P
Building
(approx 416,000 S.F.)

UNDERGROUND TV CABLE (16'+/- FROM CL)
SAMMONS COMMUNICATIONS, INC. 346/1092

OVERHEAD ELECTRIC & TELEPHONE LINES
UNDERGROUND TELEPHONE CABLE (APPROX)
NEW YORK TELEPHONE AND AT&T
176/555 173/318 177/004

WATER LINE

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No. 55460
STATE OF NEW YORK

GROUNDWATER CONTOURS SHALLOW WELLS, 11-27-07

No.	Revision/Issue	Date

S.C.W.P., LLC
Town of Cortlandville,
New York

Date:	2-26-08
Project:	S.C.W.P.,LLC.
Scale:	1"=150'
Drawn By:	JRH

FNAME 11_27_07SFinal.dwg
REVDATE
USER

Fig. M

Notes

Basemap by
R. James Stockwin, PLS, May, 2001

Date of Water Elevation Data: 11-27-07

Add 1100' to Water Elevations Indicated

LAGOON

LAGOON

BACK-UP LAGOON

MW-5D

HOLLOW ROAD

STORM WATER LAGOON

MW-1D

RECOV W

63.00

63.00

MW-12D

MW-9

64.00

MW-10D

MW- 2D

MW-4D

REMAINDER OF LANDS
NOT SEPARATELY LABELED
48.181 ACRES
2098780 SQFT

NORTH

F JM MURRAY CENTER, INC.
= 853441 SQ FT

CENTER, INC. (RO)
031471-005
86251 SF

S.C.W.P
Building
(approx 416,000 S.F.)

1.550 ACRES
67518 SQ FT
95.00-10-02.0
S.C.W.P., L.L.C.(RO)
DOC.1999-1673
LOT 3R2

1.138 AC

PROPOSED ROAD

WATER LINE

UNDERGROUND TV CABLE (16'+/- FROM CL)
SAMMONS COMMUNICATIONS, INC. 346/1092

OVERHEAD ELECTRIC & TELEPHONE LINES
UNDERGROUND TELEPHONE CABLE (APPROX)
NEW YORK TELEPHONE AND AT&T
176/555 173/318 177/004

APPROXIMATE ROUTE OF BURIED CABLE (BETWEEN BELL TELEPHONE SIGNS

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GROUNDWATER CONTOURS
DEEP WELLS, 11-27-07

No.	Revision/Issue	Date

S.C.W.P., LLC
Town of Cortlandville,
New York

Date:	2-26-08
Project:	S.C.W.P.,LLC.
Scale:	1"=150'
Drawn By:	JRH

FNAME 11_27_07Dfinal.dwg
REVDATE
USER

SCWP SITE
Town of Cortlandville
Historical TCE Concentrations (ug/l)

		2/90	4/90	8/90	11/90	2/91	5/91	8/91	11/91	2/92	11/92	2/93	5/93	8/93	11/93	2/94	6/94	9/94	12/94	2/95	11/03	11/04	12/05	9/06*	11/06	5/07*	11/07
MW-1S																											
	TCE	<1	39	47	41	25	17	19	12	9	2	11	26	3	13	7	19	13	9	11	5.8	11	6.4	7.2	3.6	3.4	1.6
	TCE Yearly Ave.				32				18		10				13				13		5.8	11	6.4		3.6		
	Total VOC's	<1	39	47	41	25	21	23	13	9	2	13	34	3	13	7	22	15	9	13	5.8	11	6.4	7.2	3.6	3.4	1.6
	Tot. VOC Yearly Ave.				32				21		11				16				13		5.8	11	6.4		3.6		
MW-1D																											
	TCE	32	28	<1	25	25	18	19	12	13	13	14	13	12	16	12	13	9	11	12	2.3	2.6	5.0	NS	2.6	NS	4.3
	TCE Yearly Ave.				21				19		13				14				11		2.3	2.6	5.0		2.6		
	Total VOC's	32	28	<1	25	25	24	24	12	13	15	16	16	115	17	13	13	10	13	14	2.3	2.6	5.0		2.6		4.3
	Tot. VOC Yearly Ave.				21				21		15				16				12		2.3	2.6	5.0		2.6		
MW-2S																											
	TCE	4	5	5	6	8	6	8	10	5	5	5	7	7	4	4	4	3	4	4	2.3	2.0	1.9	2.2	2.0	2.5	2.0
	TCE Yearly Ave.				5				8		6				6				4		2.3	2.0	1.9		2.0		
	Total VOC's	4	5	5	6	8	6	8	12	5	5	5	7	7	4	4	4	3	4	4	2.3	2.0	1.9	2.2	2.0	2.5	2.0
	Tot. VOC Yearly Ave.				5				9		6				6				4		2.3	2.0	1.9		2.0		
MW-2D																											
	TCE	6	6	9	8	7	5	7	9	5	5	3	4	6	3	3	2	3	2	2	plugged	plugged	damaged	NS	NS	NS	NS
	TCE Yearly Ave.				7				7		5				4				3		plugged	plugged	damaged				
	Total VOC's	6	6	9	8	7	5	7	10	5	5	3	4	6	3	3	2	6	2	2	plugged	plugged	damaged				
	Tot. VOC Yearly Ave.				7				7		5				4				3		plugged	plugged	damaged				
MW-3																											
	TCE	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	4	<1	<1	<1	1.7	1.4	<1	NS	2.0	NS	<1
	TCE Yearly Ave.				0				0		0				0				1		1.7	1.4	<1		2.0		
	Total VOC's	<1	<1	<1	<	<1	<1	<1	<1	<1	2	1	<1	<1	<1	<1	4	<1	<1	<1	3.0	1.4	1.8		4.5		<1
	Tot. VOC Yearly Ave.				0				0		1				0				1		3.0	1.4	1.8		4.5		
MW-4S																											
	TCE	<1	1	<1	2	<1	1	2	1	<1	1	<1	1	<1	<1	na	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	TCE Yearly Ave.				1				1		1				0				0		<1	<1	<1		<1		
	Total VOC's	<1	1	<1	2	<1	1	2	1	<1	1	<1	1	<1	<1	na	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Tot. VOC Yearly Ave.				1				1		1				0				0		<1	<1	<1		<1		
MW-4D																											
	TCE	<1	1	1	<1	1	<1	1	1	<1	<1	<1	<1	<1	<1	na	<1	<1	<1	<1	<1	<1	<1	NS	<1	NS	<1
	TCE Yearly Ave.				1				1		0				0				0		<1	<1	<1		<1		
	Total VOC's	<1	1	1	<1	1	<1	1	1	<1	<1	<1	<1	<1	<1	na	<1	<1	<1	<1	<1	<1	<1		<1		<1
	Tot. VOC Yearly Ave.				1				1		0				0				0		<1	<1	<1		<1		
MW-5S																											
	TCE	1	1	2	3	<1	1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.2	2.0	1.3	1.7	1.1	1.3	<1
	TCE Yearly Ave.				2				1		0				0				0		1.2	2.0	1.3		1.1		
	Total VOC's	1	1	3	3	<1	1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.2	2.0	1.3	1.7	1.1	1.3	<1
	Tot. VOC Yearly Ave.				2				1		0				0				0		1.2	2.0	1.3		1.1		
MW-5D																											
	TCE	2	3	3	5	3	3	3	1	<1	1	<1	2	2	<1	<1	<1	<1	<1	<1	1.3	2.0	1.1	NS	1.0	NS	<1
	TCE Yearly Ave.				3				3		1				1				0		1.3	2.0	1.1		1.0		
	Total VOC's	2	3	8	5	3	3	3	1	<1	1	<1	2	2	<1	<1	<1	<1	<1	<1	1.3	2.0	1.1		1.0		<1
	Tot. VOC Yearly Ave.				5				3		1				1				0		1.3	2.0	1.1		1.0		
MW-6																											
	TCE	na	26	43	35	38	62	8	na	18	21	21	70	32	19	45	50	20	17	18	16	20	15	NS	7.8	NS	9.8
	TCE Yearly Ave.				35				36		27				36				33		16	20	15		7.8		
	Total VOC's	na	26	43	35	38	62	8	na	18	21	21	70	32	19	45	50	20	17	18	16	20	15		7.8		9.8
	Tot. VOC Yearly Ave.				26				27		27				36				33		16	20	15		7.8		
MW-7																											
	TCE	290	300	19	63	190	57	19	na	11	130	120	67	25	18	85	60	49	49	45	9.4	4.6	19	NS	6.2	NS	7.5
	TCE Yearly Ave.				168				89		82				58				61		9.4	4.6	19		6.2		
	Total VOC's	290	300	19	63	190	157	30	na	15	250	175	136	25	19	137	153	84	82	84	13	4.6	30		7.7		7.5
	Tot. VOC Yearly Ave.				168				94		171				89				114		13	4.6	30		7.7		
MW-8																											
	TCE	70	260	10	48	31	110	8	3	31	16	12	14	18	10	61	11	10	12	9	3.3	5.4	3.2	NS	2.6	NS	2.9
	TCE Yearly Ave.				97				38		32				14				24		3.3	5.4	3.2		2.6		
	Total VOC's	70	283	10	48	31	110	8	3	31	16	12	14	18	10	61	11	10	12	9	3.3	5.4	3.2		2.6		2.9
	Tot. VOC Yearly Ave.				103				38		32				14				24		3.3	5.4	3.2		2.6		
MW-9																											
	TCE	16	3	5	10	4	11	3	4	3	4	4	33	8	1	2	24	5	3	5	6.7	17	6.0	NS	11	NS	4.8
	TCE Yearly Ave.				9				6		4				12				9		6.7	17	6.0		11		
	Total VOC's	16	4	5	10	4	14	3	4	3	4	4	42	8	1	2	24	5	3	5	6.7	17	6.0		12		4.8

Buck Engineering, LLC
87 Central Ave.
Cortland, NY 13045-0427

Fig. N

SCWP SITE
Town of Cortlandville
Historical TCE Concentrations (ug/l)

		2/90	4/90	8/90	11/90	2/91	5/91	8/91	11/91	2/92	11/92	2/93	5/93	8/93	11/93	2/94	6/94	9/94	12/94	2/95	11/03	11/04	12/05	9/06*	11/06	5/07*	11/07
	Tot. VOC Yearly Ave.				9				6		4				14				9		6.7	17	6.0		11.5		
MW-10S																											
	TCE	73	63	110	59	63	27	32	50	44	32	26	25	37	27	28	31	24	15	16	9.8	9.9	9.6	NS	6.7	6.1	8.4
	TCE Yearly Ave.				76				43		72				29				25		9.8	9.9	9.6		6.7		
	Total VOC's	73	63	110	59	110	33	44	62	57	37	29	32	37	31	31	31	27	16	17	9.8	9.9	11		6.7	6.1	8.4
	Tot. VOC Yearly Ave.				76				62		92				32				26		9.8	9.9	11		6.7		
MW-10D																											
	TCE	23	27	33	60	33	54	31	40	30	37	32	19	32	25	21	21	22	22	30	7.6	5.0	4.6	NS	5.5		5.8
	TCE Yearly Ave.				36				40		30				27				23		7.6	5.0	4.6		5.5		
	Total VOC's	23	27	33	60	33	66	39	45	35	43	36	21	32	28	22	21	25	24	32	7.6	5.0	4.6		5.5		5.8
	Tot. VOC Yearly Ave.				36				46		34				29				23		7.6	5.0	4.6		5.5		
MW-11																											
	TCE	2600	150	44	3400	480	290	31	na	50	<50	54	170	<50	<50	72	<50	51	51	42	21	11	12	NS	18		7.9
	TCE Yearly Ave.				1549				267		125				56				44		21	11	12		18		
	Total VOC's	2600	150	44	3400	480	5090	141	na	440	230	344	1170	1700	<50	1062	1260	105	130	101	49	11	32		40		7.9
	Tot. VOC Yearly Ave.				1549				1428		419				804				639		49	11	32		40		
MW-12S																											
	TCE	190	220	280	120	270	190	100	21	46	140	150	150	180	100	110	170	88	88	100	62	46	27	NS	44		25
	TCE Yearly Ave.				203				145		97				145				114		62	46	27		44		
	Total VOC's	190	220	280	120	270	330	137	23	83	179	172	183	180	109	119	192	99	102	101	67	49.3	29.5		46		25
	Tot. VOC Yearly Ave.				203				190		130				161				128		67	49.3	29.5		46		
MW-12D																											
	TCE	21	13	17	23	17	12	12	13	10	9	13	11	15	8	7	16	9	5	7	4.2	10	3.3	NS	5.9		4.4
	TCE Yearly Ave.				19				14		19				11				9		4.2	10	3.3		5.9		
	Total VOC's	21	13	17	23	17	14	12	13	11	9	13	13	15	8	7	16	9	5	7	4.2	10	3.3		5.9		4.4
	Tot. VOC Yearly Ave.				19				14		21				12				9		4.2	10	3.3		5.9		
MW-BE1																											
	TCE																				na	na	na				
	TCE Yearly Ave.																				na	na	na				
	Total VOC's																				na	na	na				
	Tot. VOC Yearly Ave.																				na	na	na				
MW-BE2																											
	TCE																				na	na	na				
	TCE Yearly Ave.																				na	na	na				
	Total VOC's																				na	na	na				
	Tot. VOC Yearly Ave.																				na	na	na				
DEC-23	TCE																							<1		<1	
	Total VOC's																							<1		<1	
DEC-24	TCE																							NS		<1	
	Total VOC's																							NS		<1	
DEC-25	TCE																							2.3		2.2	
	Total VOC's																							2.3		2.2	
DEC-26	TCE																							9.9		NS	
	Total VOC's																							9.9		NS	
DEC-27	TCE																							4.7		NS	
	Total VOC's																							4.7		NS	
DEC-28	TCE																							3.5		NS	
	Total VOC's																							3.5		NS	
DEC-29	TCE																							2.4		NS	
	Total VOC's																							2.4		NS	
DEC-30	TCE																							1.4		1.2	
	Total VOC's																							1.4		1.2	

Notes: 1. Units are ug/l.
2. Data from 2/90 thru 11/98 were transcribed from an OBG spreadsheet.
3. Data after 11/98 were entered directly from lab reports.
4. Earliest data are from Upstate Labs, Inc. Data after 3/99 are from Buck Env. Labs, Inc.
5. Wells MW-BE1 and MW-BE2 were installed in 1999 by Buck Engineering.

* Sampling performed by URS; analytical performed by Buck Environmental Laboratories, Inc.

NS = Not Sampled

Buck Engineering, LLC
87 Central Ave.
Cortland, NY 13045-0427

Fig. N

APPENDIX

Laboratory Reports from Microbac-New York

87 CENTRAL AVENUE • P.O. BOX 427
CORTLAND, NY 13045-0427
(607)753-8010 • FAX (607)753-8037