DMR Copy of Record

Permit

Permit #:	IL0070408	**Permittee:**	TECHALLOY COMPANY INC	**Facility:**	TECHALLOY COMPANY INC
Major:	No	**Permittee Address:**	6509 OLSON ROAD UNION, IL 60180	**Facility Location:**	6509 OLSON ROAD CENTRAL WIRE UNION PLANT UNION, IL 60180
Permitted Feature:	001 External Outfall	**Discharge:**	001-0 TREATED GROUNDWATER		

Report Dates & Status

Monitoring Period:	From 12/01/15 to 12/31/15	**DMR Due Date:**	01/15/16	**Status:**	NetDMR Validated

Considerations for Form Completion

BOW ID: WI110900004

Principal Executive Officer

First Name:	Gerry	**Title:**	General Manager	**Telephone:**	815-923-2131
Last Name:	Roepp				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Excursions	Parameter NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
00400	pH	1 - Effluent Gross	0	--	Sample						=	8.09			=	8.09	12 - SU		01/30 - Monthly	GR - GRAB
					Permit Req						>=	6 MO MIN			<=	9 MO MAX	12 - SU	0	01/30 - Monthly	GR - GRAB
					Value NODI															
34506	1,1,1-Trichloroethane	1 - Effluent Gross	0	--	Sample										<	0.001	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req										<=	.02 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	<	0.632	=	0.632	03 - MGD									01/30 - Monthly	MS - MEASRD
					Permit Req		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	01/30 - Monthly	MS - MEASRD
					Value NODI															
78339	Tetrachloroethene	1 - Effluent Gross	0	--	Sample										<	0.001	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req										<=	.02 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															
78391	Trichloroethene	1 - Effluent Gross	0	--	Sample										<	0.0005	19 - mg/L		01/30 - Monthly	GR - GRAB
					Permit Req										<=	.02 DAILY MX	19 - mg/L	0	01/30 - Monthly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample not Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Results for December are under reporting limits.

Attachments

No attachments.

Report Last Saved By

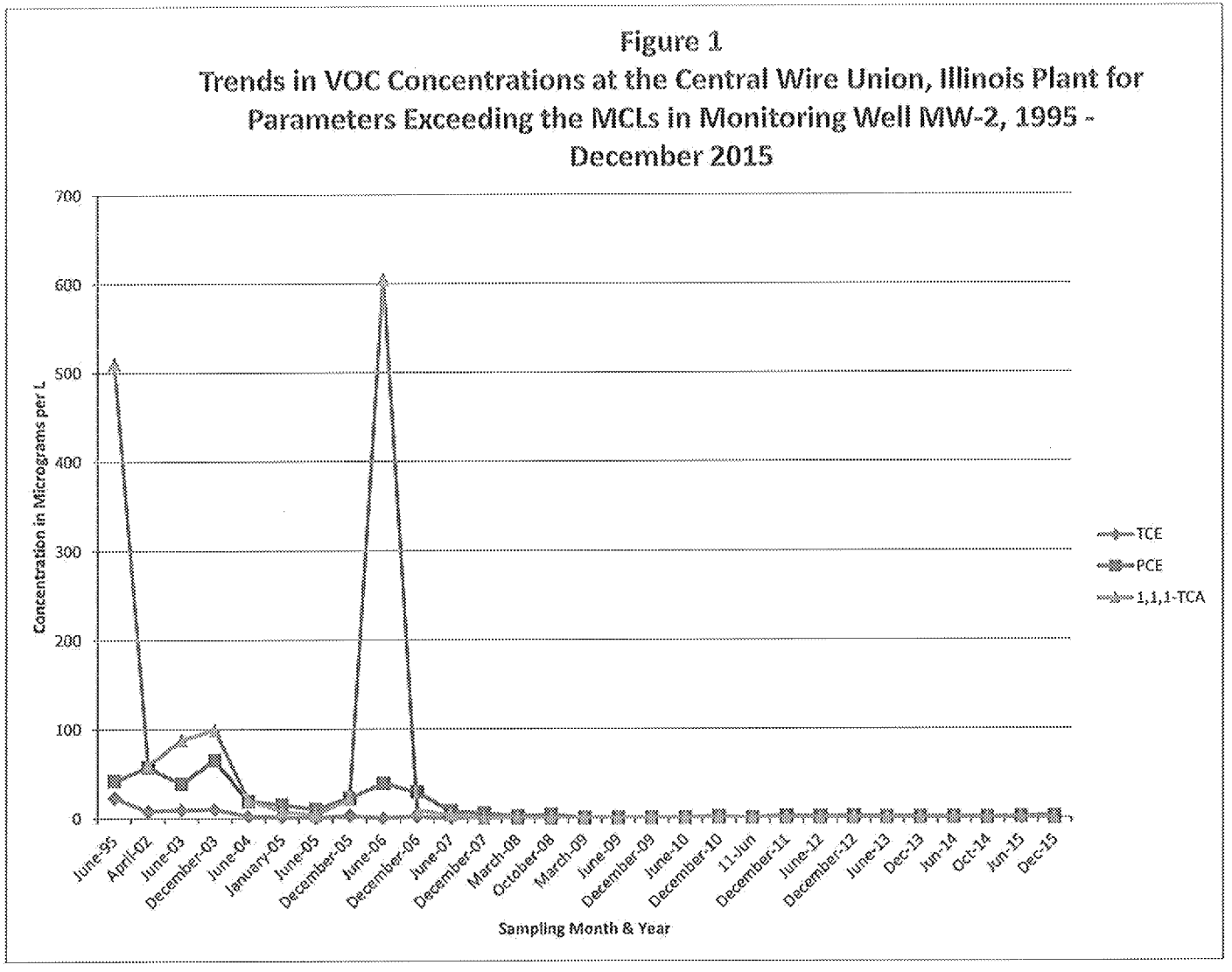
TECHALLOY COMPANY INC

User:	Ex. 6 Personal Privacy (PP)	Date/Time:	2016-01-08 08:25 (Time Zone: -05:00)
Name:	Robert Johnson		
E-Mail:	rjohnson@centralwire.com		

MW-2

Date	TCE	PCE	1,1,1-TCA
June-95	23	**42**	**510**
April-02	8.2	**57**	59
June-03	9.5	**39**	88
December-03	9.9	**65**	99
June-04	2.5	**19**	20
January-05	1.4	**15**	7.7
June-05	0	**10**	3.3
December-05	3.05	**22.3**	21.8
June-06	0	**39**	**605**
December-06	1.8	**29**	8.8
June-07	0	**7.9**	3.9
December-07	1.5	**5.3**	0
March-08	0	2.1	0
October-08	0	3.4	0
March-09	0	0	0
June-09	0	0	0
December-09	0	0	0
June-10	0	0	0
December-10	0	1.3	0
11-Jun	0	0	0
December-11	0	1.7	0
June-12	0	1.3	0
December-12	0.5	2	0
June-13	0	1.1	0
Dec-13	0	0.9	0
Jun-14	0.25	1.1	0.62
Oct-14	0	0.55	0
Jun-15	0	1.5	1.2
Dec-15	0.52	1.8	0
MCLs	5	5	200

Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8240 was run. Only chemicals with detections above the MCLs were plotted.



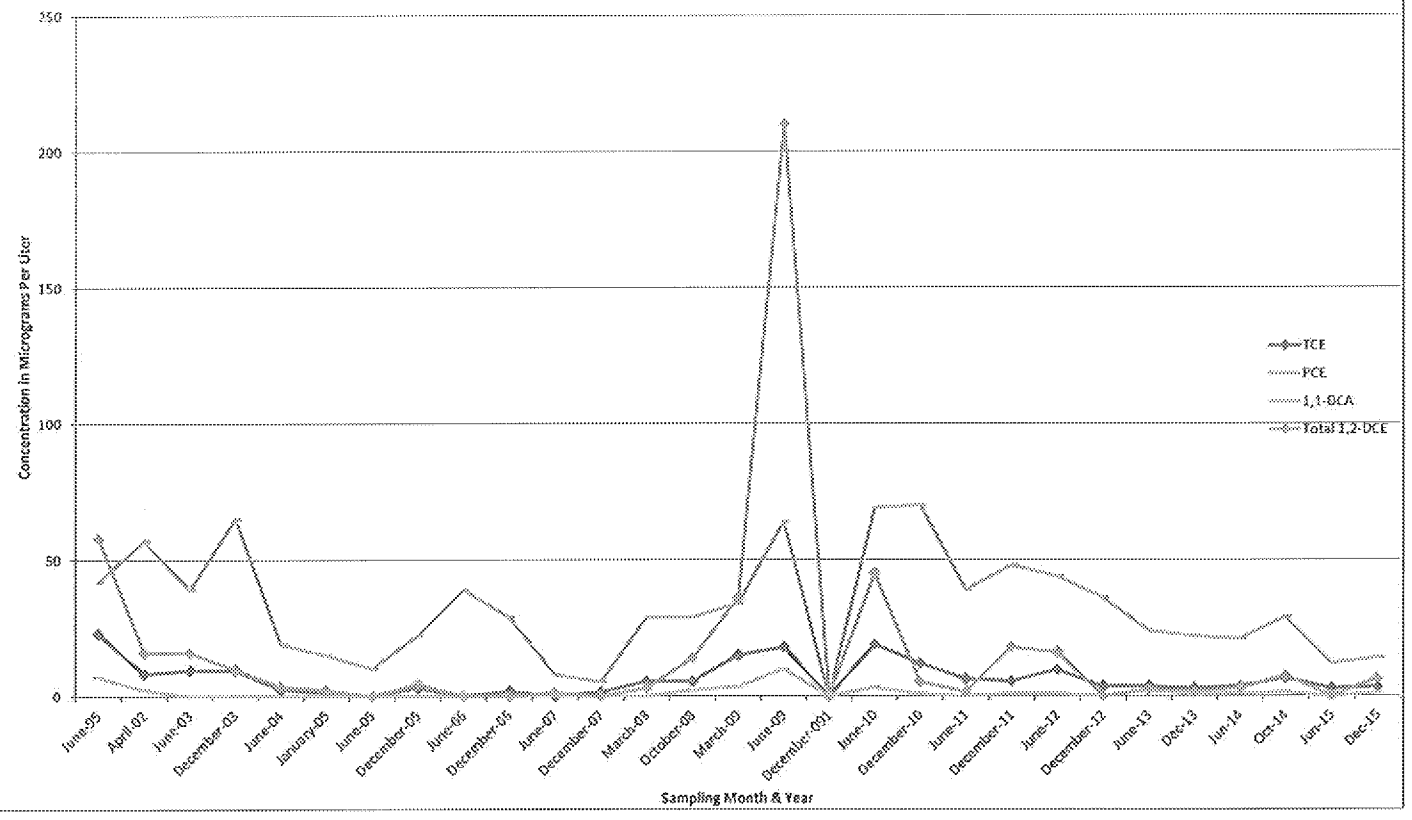
MW-4

Date	TCE	PCE	1,1-DCA	Total 1,2-DCE
June-95	23	42	7	58
April-02	8.2	57	2.3	16
June-03	9.6	39	0	16
December-03	9.5	65	0	9.8
June-04	2.5	19	0	3.5
January-05	1.4	16	0	2.3
June-05	0	10	0	0
December-05	3.05	22.3	0	4.31
June-06	0	39	0	0
December-06	1.8	29	0	0
June-07	0	7.9	0	1.3
December-07	1.5	5.3	0	0
March-08	5.6	29	0	3
October-08	5.5	29	2.2	14
March-09	16	34	3.4	38
June-09	18	64	9.9	210
December-09[1]	0	0	0	0
June-10	19	69	3	45
December-10	12	70	0.99	5.3
June-11	6.3	39	0	1.5
December-11	5.5	48	1	18
June-12	9.7	44	0.94	16
December-12	3.5	36	0	0
June-13	3.6	24	2.3	2.4
Dec-13	2.8	22	0.6	1.6
Jun-14	3.5	21	0.8	2.9
Oct-14	6.6	29	1.4	7.5
Jun-15	2.9	12	0	0
Dec-15	3.3	14	1.2	6.4
MCL	5	5	7	170

[1] Well not found under snow

Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.
June-95 data was not plotted due to large value.

Figure 2
Trends in VOC Concentrations for Parameters Exceeding MCLs in Monitoring Well MW-4 at the Central Wire Union, Illinois Plant, 1995 - December 2015



MW-5

Date	TCA	TCE	PCE	DCE
April-02	300	5	94	12
June-03	360	10	190	5
December-03	330	7.5	210	1.8
June--04	150	4.7	170	0
January-05	160	5.1	190	0
June-05	120	4.9	190	0
December-05	93.2	4.63	133	1.64
June-06	78	4.7	120	0
December-06	82	4	160	0
June-07	0	4.5	150	5.7
December-07	0	4.6	130	1.1
March-08	58	3.8	160	0
October--08	45	3.1	110	0
June-09	51	3.5	140	1.8
December-09	31	2.7	140	0
June-10	46	3.6	100	0.98
December-10	37	3.2	130	1.5
June-11	42	2.6	110	0.77
December-11	36	2.5	98	0
June-12	49	4.2	120	0.77
December-12	29	2.6	110	0.94
June-13	29	2.4	86	0
Dec.-13	19	1.8	72	0
Jun-14	26	2.1	92	0
Oct-14	24	2.1	81	0
Jun-15	20	2	92	0
Dec-15	10	1	62	0
MCL	200	5	5	7

Concentrations reported in micrograms per liter.

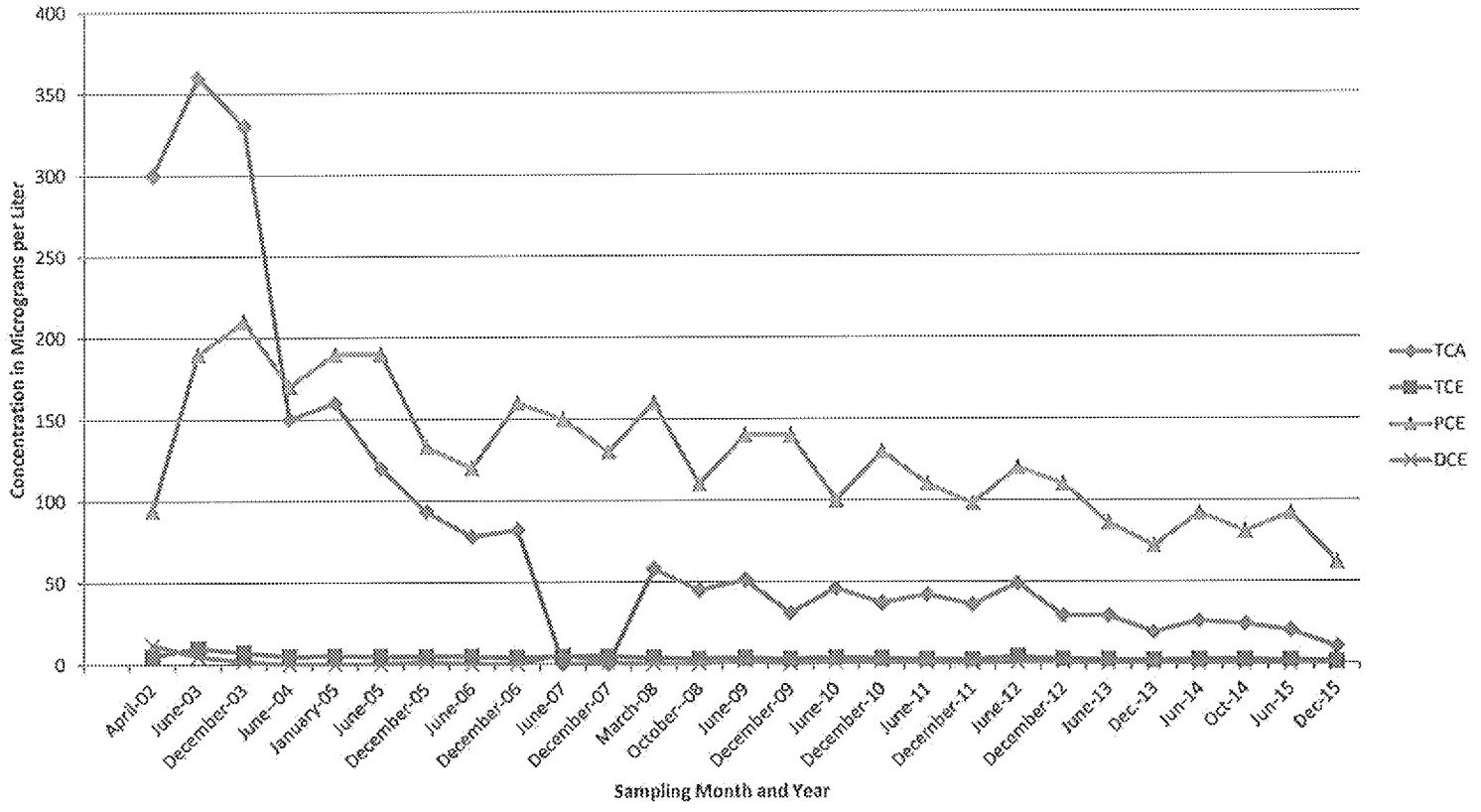
Bold values exceed the MCL.

EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

June-95	4000	150	650	230

Figure 3

Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well MW-5 from 2002 - December 2015

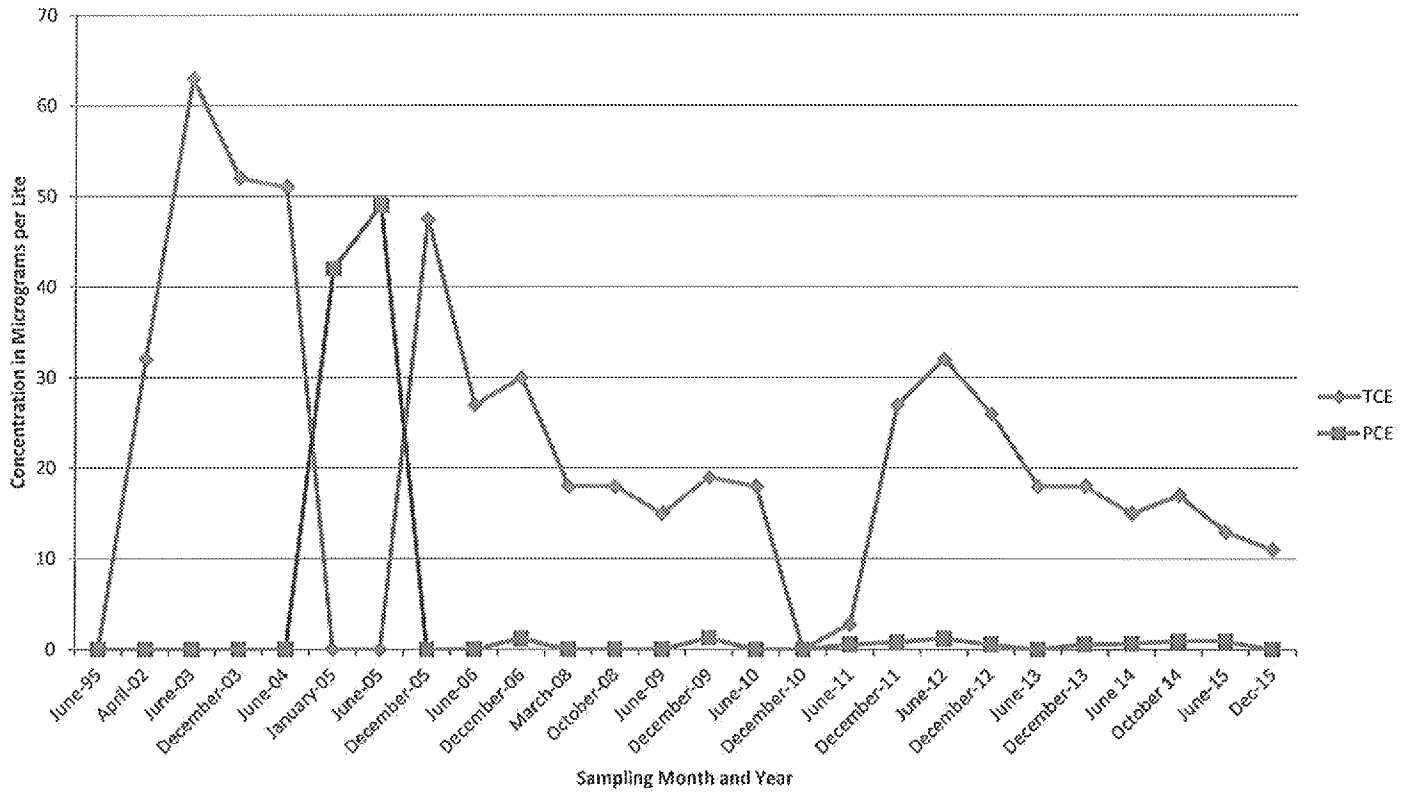


MW-5D

Date	TCE	PCE
June-95	0	0
April-02	**32**	0
June-03	**63**	0
December-03	**52**	0
June-04	**51**	0
January-05	0	**42**
June-05	0	**49**
December-05	**47.5**	0
June-06	**27**	0
December-06	**30**	1.2
March-08	**18**	0
October-08	**18**	0
June-09	**15**	0
December-09	**19**	1.3
June-10	**18**	0
December-10	0	0
June-11	2.8	0.57
December-11	**27**	0.79
June-12	**32**	1.2
December-12	**26**	0.56
June-13	**18**	0
December-13	**18**	0.6
June 14	**15**	0.65
October 14	**17**	0.95
June-15	**13**	0.95
Dec-15	**11**	0
MCL	5	5

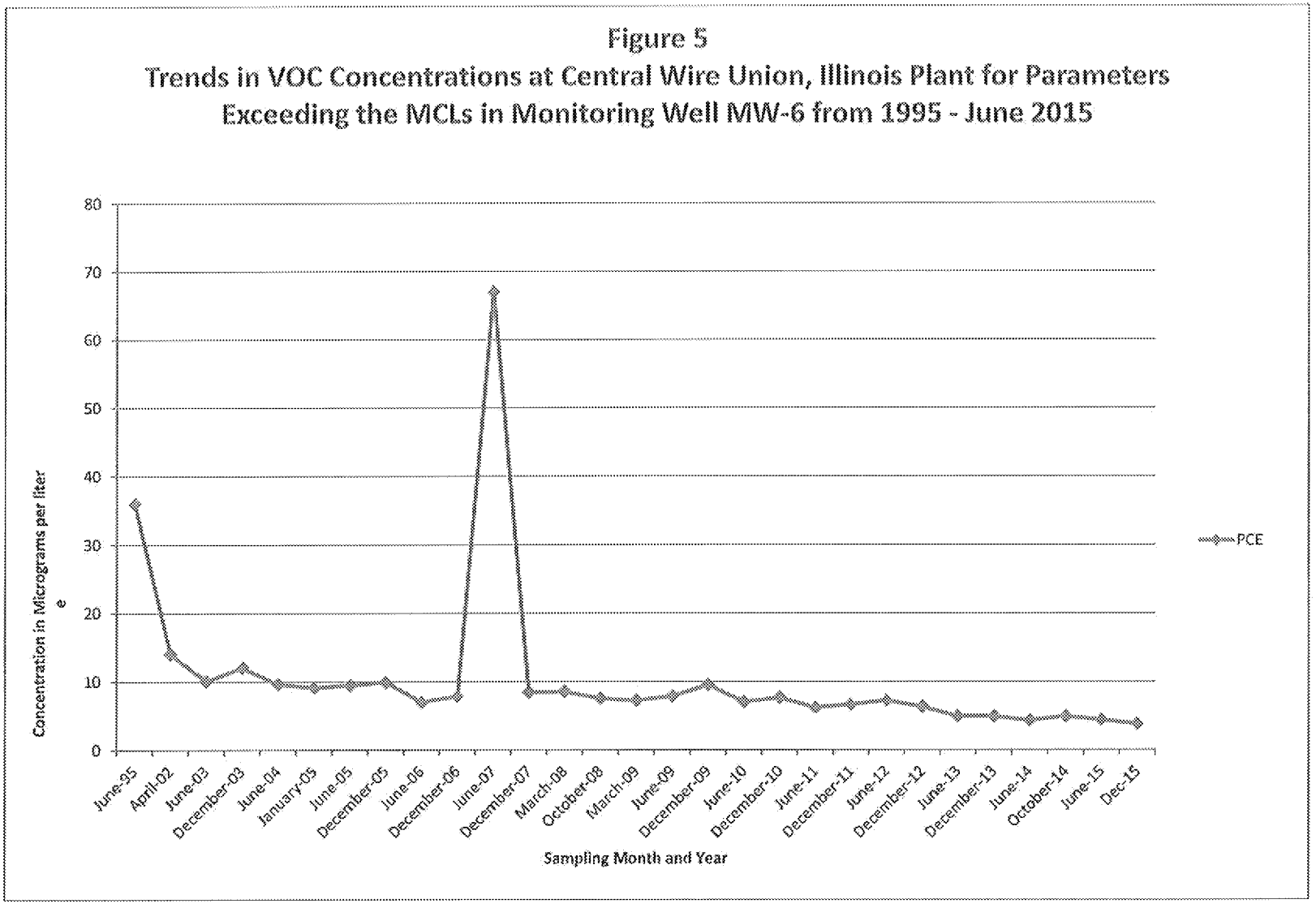
Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

Figure 4
Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well MW-5D from 1995 - 2015



MW-6	
Date	PCE
June-95	36
April-02	14
June-03	10
December-03	12
June-04	9.6
January-05	9.1
June-05	9.4
December-05	9.91
June-06	7
December-06	7.8
June-07	67
December-07	8.4
March-08	8.5
October-08	7.54
March-09	7.2
June-09	7.8
December-09	9.5
June-10	7
December-10	7.6
June-11	6.2
December-11	6.6
June-12	7.2
December-12	6.3
June-13	4.9
December-13	4.9
June-14	4.3
October-14	4.9
June-15	4.4
Dec-15	3.8
MCL	5

Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run.
Only chemicals with detections above the MCLs were plotted.



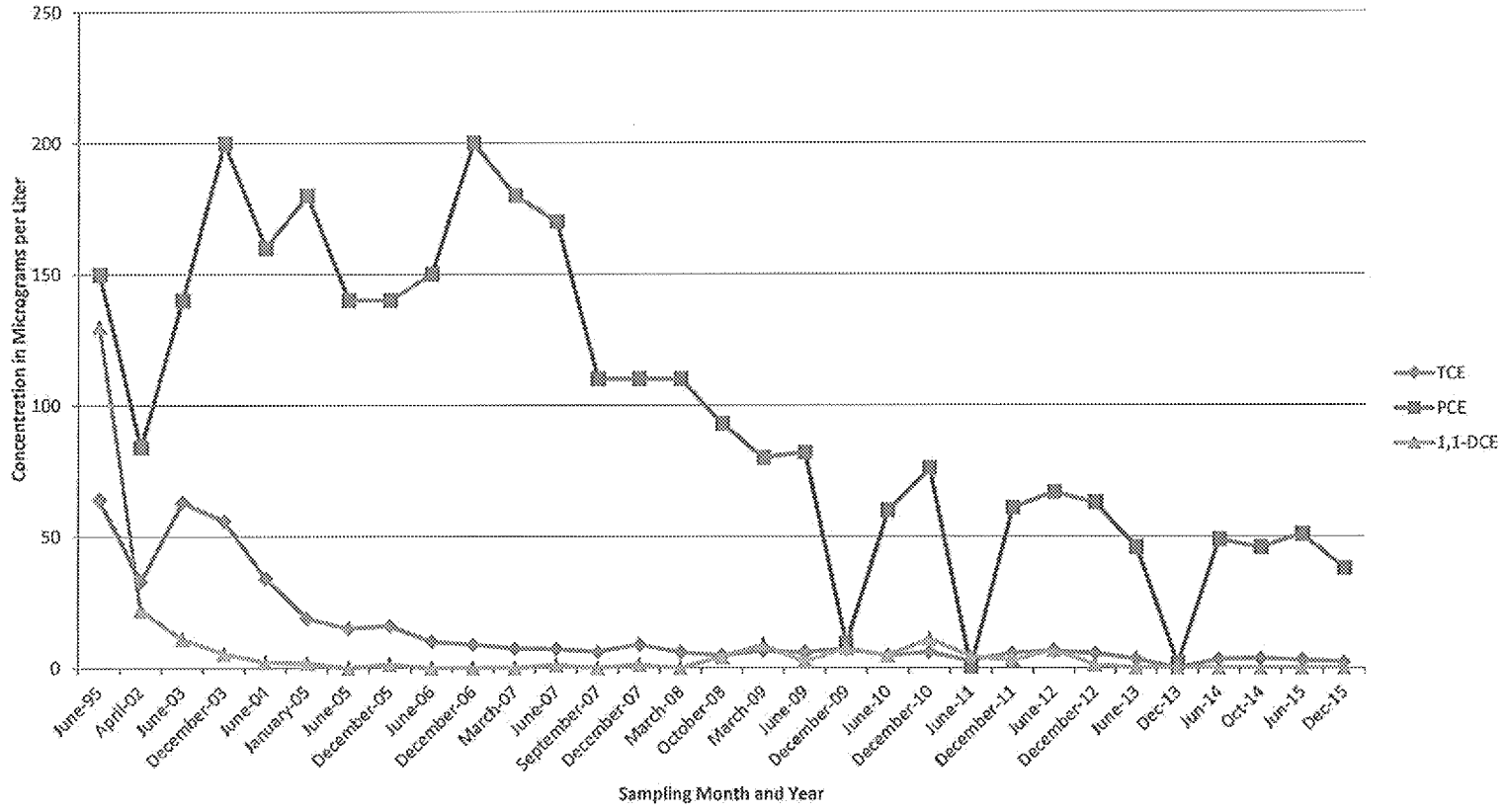
MW-7

Date	TCE	PCE	1,1-DCE
June-95	64	150	130
April-02	33	84	22
June-03	63	140	11
December-03	59	200	5.5
June-04	34	160	2.3
January-05	19	180	1.9
June-05	15	140	0
December-05	16	140	1.45
June-06	10	150	0
December-06	9	200	0
March-07	7.5	180	0
June-07	7.2	170	1.1
September-07	6.2	110	0
December-07	8.9	110	1.2
March-08	6	110	0
October-08	4.8	93	4.3
March-09	6.5	80	8.8
June-09	5.9	82	2.4
December-09	7.2	9.4	7.5
June-10	4.8	60	4.8
December-10	5.9	76	11
June-11	2.8	0.57	4.6
December-11	5.7	61	3
June-12	6.5	67	7
December-12	5.6	63	1.4
June-13	3.5	46	0
Dec-13	0	1.8	0
Jun-14	3.3	49	0
Oct-14	3.8	46	0
Jun-15	3.1	51	0
Dec-15	2.4	38	0

MCL:	5	5	7

Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

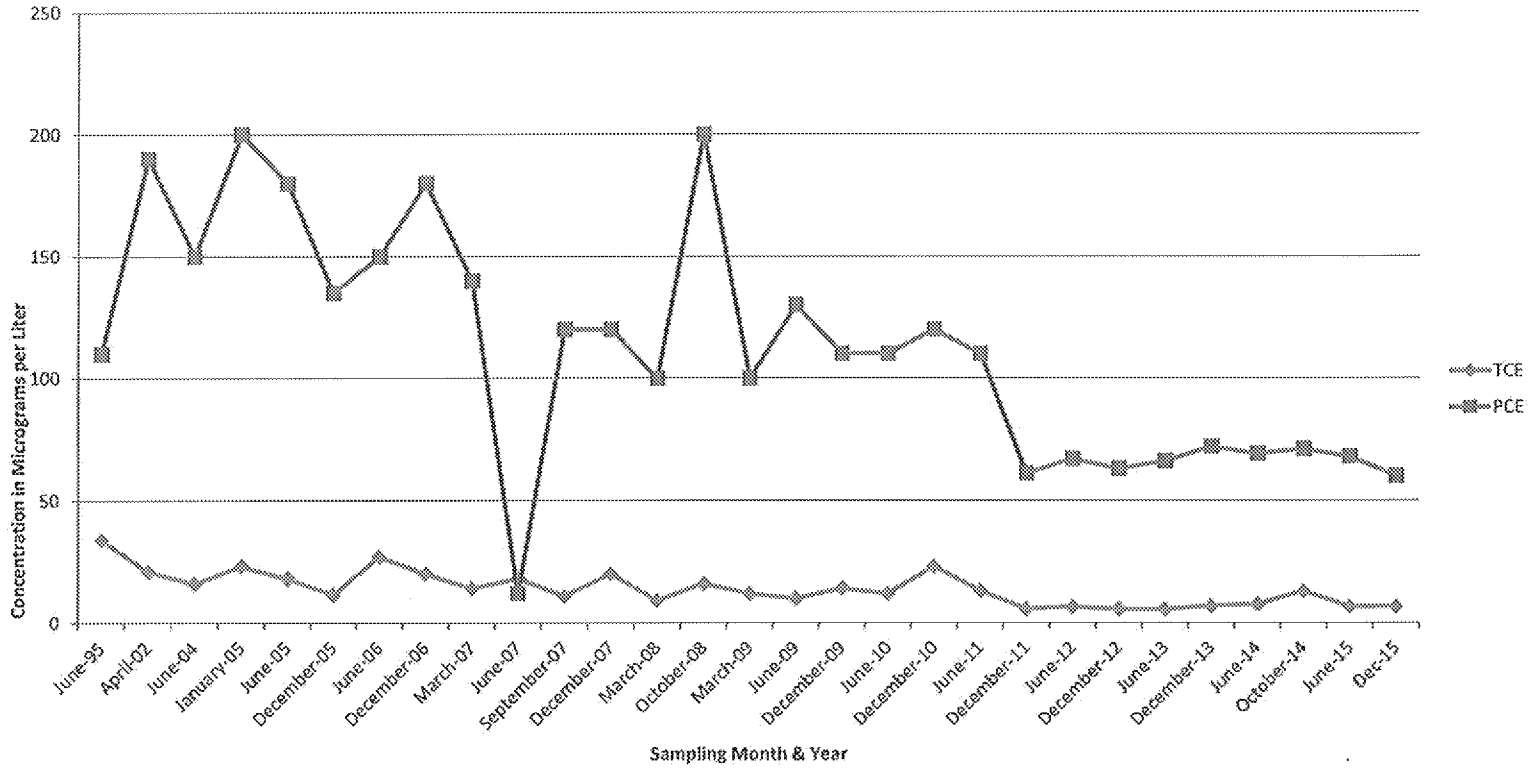
Figure 6
Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well MW-7 from 1995 - June 2015



MW-8

Date	TCE	PCE
June-95	34	110
April-02	21	190
June-04	16	150
January-05	23	200
June-05	18	180
December-05	11.6	135
June-06	27	150
December-06	20	180
March-07	14	140
June-07	18	12
September-07	11	120
December-07	20	120
March-08	9.1	100
October-08	16	200
March-09	12	100
June-09	9.9	130
December-09	14	110
June-10	12	110
December-10	23	120
June-11	13	110
December-11	5.7	61
June-12	6.5	67
December-12	5.6	63
June-13	5.5	66
December-13	6.9	72
June-14	7.5	69
October-14	13	71
June-15	6.7	68
Dec-15	6.8	60
MCL	5	5

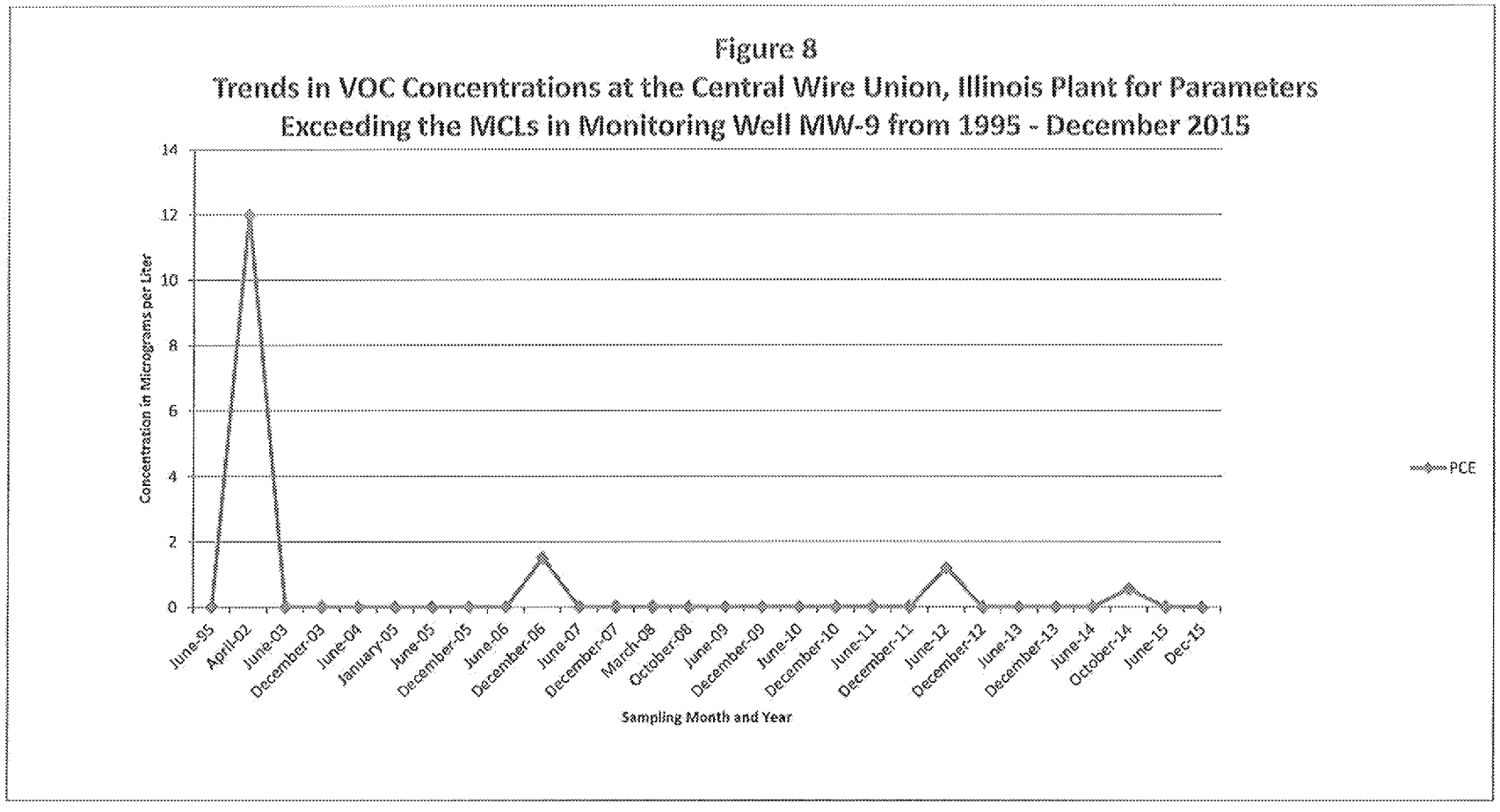
Figure 7
Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well MW-8 from 1995 - December 2015



Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

MW-9

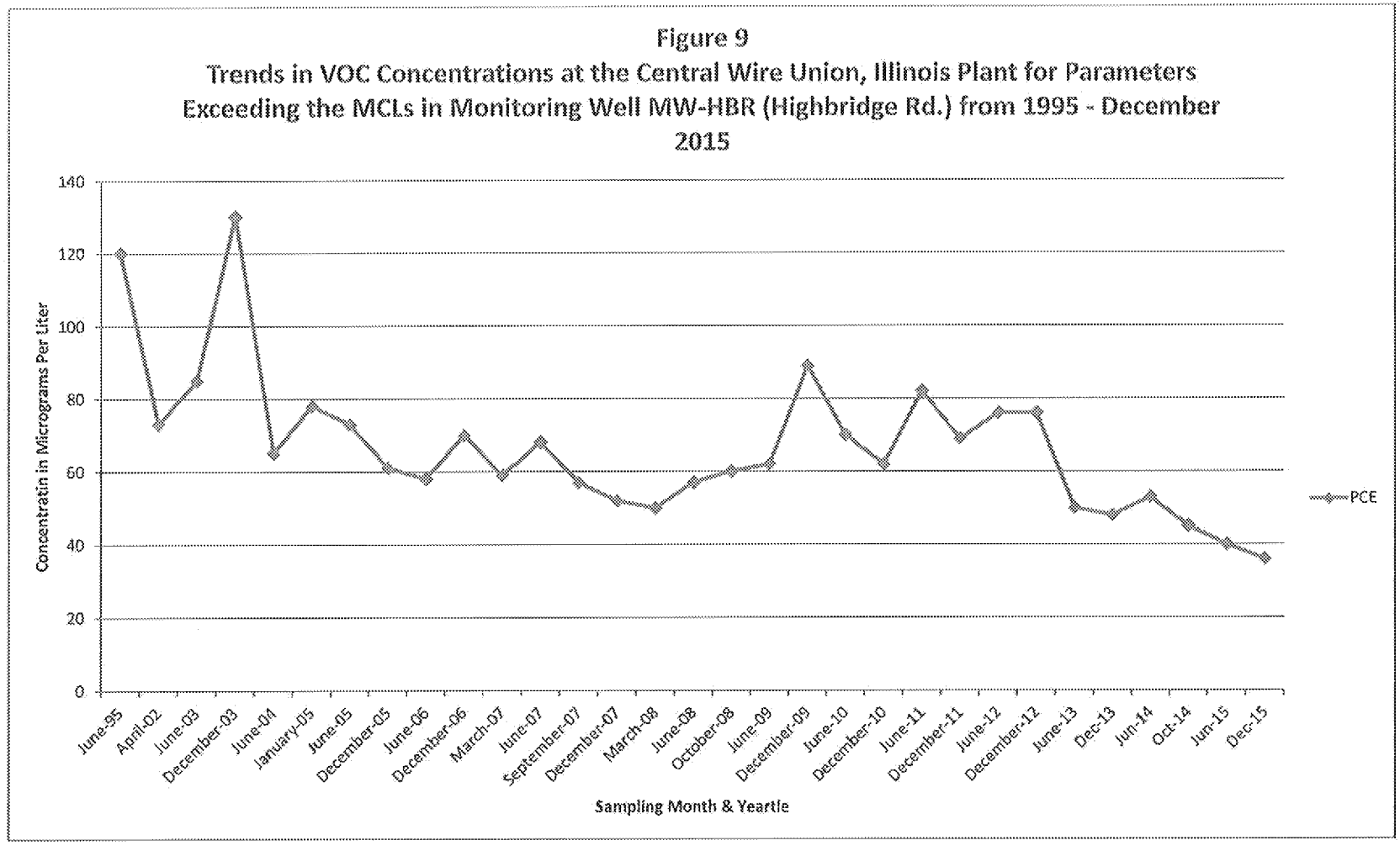
Date	PCE
June-95	0
April-02	12
June-03	0
December-03	0
June-04	0
January-05	0
June-05	0
December-05	0
June-06	0
December-06	1.5
June-07	0
December-07	0
March-08	0
October-08	0
June-09	0
December-09	0
June-10	0
December-10	0
June-11	0
December-11	0
June-12	1.2
December-12	0
June-13	0
December-13	0
June-14	0
October-14	0.55
June-15	0
Dec-15	0
MCL	5



Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

MW-HBR

Date	PCE
June-95	120
April-02	73
June-03	85
December-03	130
June-04	65
January-05	78
June-05	73
December-05	61.1
June-06	58
December-06	70
March-07	59
June-07	68
September-07	57
December-07	52
March-08	50
June-08	57
October-08	60
June-09	62
December-09	89
June-10	70
December-10	62
June-11	82
December-11	69
June-12	76
December-12	76
June-13	50
Dec-13	48
Jun-14	53
Oct-14	45
Jun-15	40
Dec-15	36
MCL	5

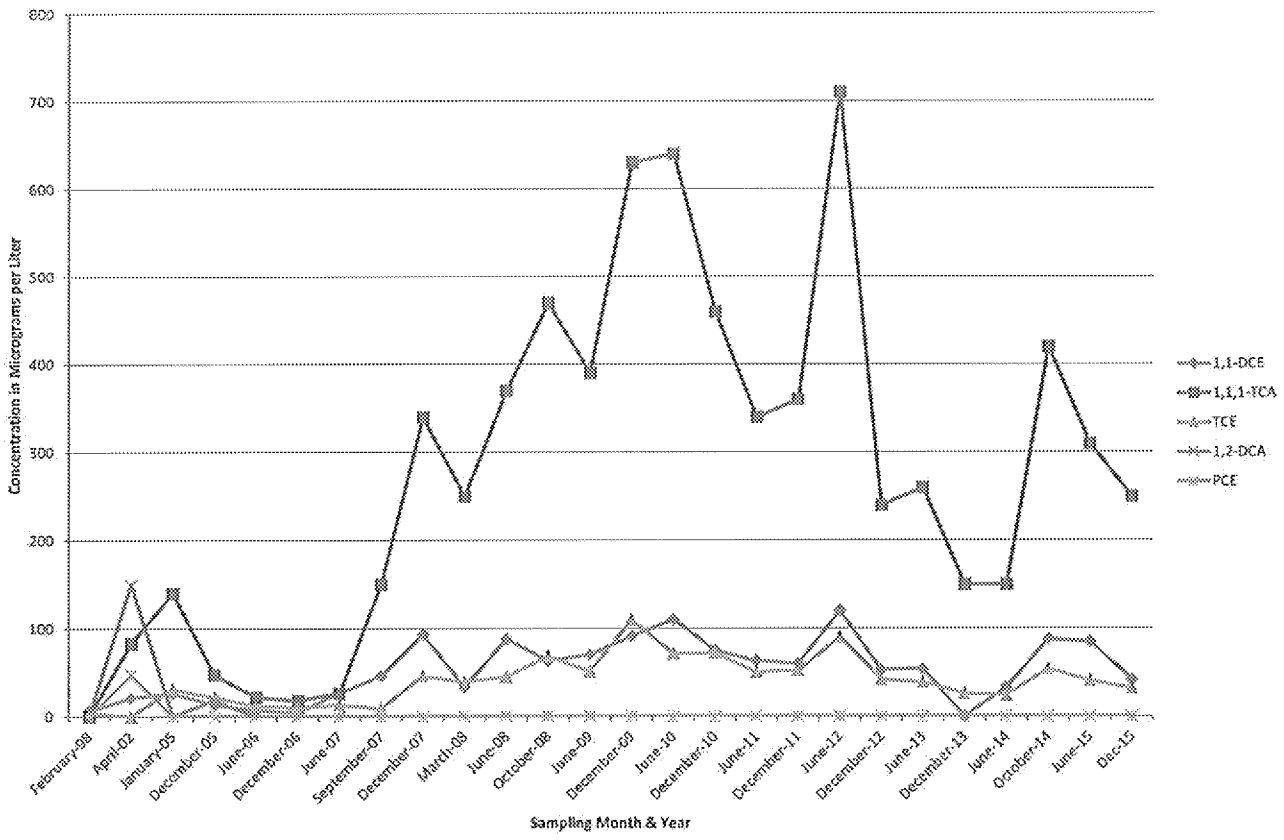


Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

DGW-1I					
Date	1,1-DCE	1,1,1-TCA	TCE	1,2-DCA	PCE
February-98	6	0	4	0.6	0
April-02	21	83	9.3	150	47
January-05	26	140	31	0	0
December-05	13.6	47.2	21.6	18.4	0
June-06	6.9	22	12	0	0
December-06	4.6	18	9.7	0	0
June-07	26	26	13	0	0
Seplember-07	46	150	8.9	0	0
December-07	93	340	46	0	0
March-08	33	250	39	0	0
June-08	88	370	45	0	0
October-08	63	470	66	0	0
June-09	70	390	51	0	0
December-09	91	630	110	0	0
June-10	110	640	71	0	0
December-10	75	460	72	0	0
June-11	63	340	50	0	0
December-11	60	360	52	0	0
June-12	120	710	90	0	0
December-12	53	240	42	0	0
June-13	54	260	39	0	0
December-13	0	150	26	0	0
June-14	33	150	24	0	0
October-14	88	420	54	0	0
June-15	85	310	41	0	0
Dec-15	42	250	32	0	0
MCL	7	200	5	5	5

Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

Figure 10
Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well DGW-1I from 1998 - December 2015

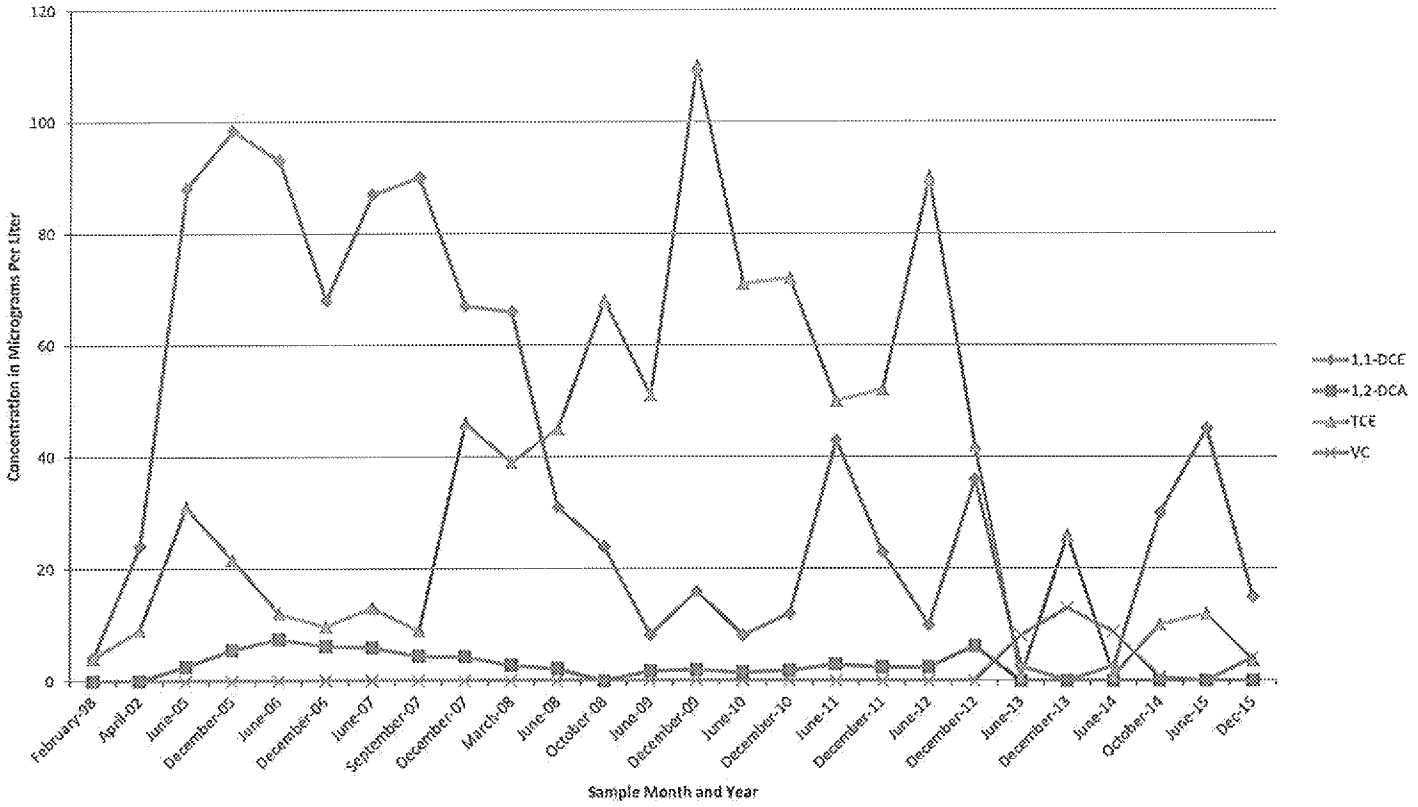


DGW-1D

Date	1,1-DCE	1,2-DCA	TCE	VC
February-98	4	0	4	0
April-02	24	0	9	0
June-05	88	2.5	31	0
December-05	98.4	5.5	21.6	0
June-06	93	7.46	12	0
December-06	68	6.2	9.7	0
June-07	87	6	13	0
September-07	90	4.4	8.9	0
December-07	67	4.3	46	0
March-08	66	2.8	39	0
June-08	31	2.2	45	0
October-08	24	0	66	0
June-09	8.2	1.7	51	0
December-09	16	2	110	0
June-10	8.1	1.5	71	0
December-10	12	1.8	72	0
June-11	43	2.9	50	0
December-11	23	2.4	52	0
June-12	10	2.4	90	0
December-12	36	6.2	42	0
June-13	2.6	0	0.67	8.1
December-13	0	0	26	13
June-14	2.6	0	0.95	8.7
October-14	30	0	10	0.61
June-15	45	0	12	0
Dec-15	15	0	3.7	4
MCL	7	5	5	2

Concentrations reported in micrograms per liter.
Bold values exceed the MCL.
EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

Figure 11
Trends in VOC Concentrations at the Central Wire Union, Illinois Plant for Parameters Exceeding the MCLs in Monitoring Well DGW-1D from 1998 - December 2015



LEGEND
Monitoring Wells
Down Gradient Well Locations
Irrigation Well
Municipal Well
Residential Wells
Geoprobes Sept 2009
Geoprobes Nov 2009
SCALE
0
1000'
Central Wire
Project: Central Wire
Date: 7/27/2015
Scale: 1" = 1,000'
Figure 12
Wells Associated with Corrective Action Implementation Plan
Don Lin Construction Co.
Illinois Railway Museum
Melvin H. & Rose M. Kunde
Central Land Management
Edna Rosenwinkel Trust No. 1
Franson Ltd. Prtnshp.
John & Martha Heimsoth
Roger & Joyce Heimsoth
McClendon Trust
C.&N.W. R.R.
SB Irrigation Well
Central Sod Extraction Pit
Tetra Tech
Tetra Tech EM Inc.
Tetrahedron Company, Inc.
Aeromwood E&H Consultants
Mount Pleasant, Wisconsin

Table 2

Historical Data from Monitoring Well DGW - 1S

Time	1,1-DCE	1,2-DCE	TCE	PCE	TCA
February-98	0	0	0.6	0	0
April-02	0	0	0	1.9	1.2
June-05	0	0	1	0	2.2
December-05	0	0	0	0	1.39
June-06	0	0	0	0	1.2
December-06	0	0	1	0	1.3
June-07	0	0	0	0	1.1
September-07	0	0	0	0	1.4
December-07	0	0	2.1	0	1.8
March-08	0	0	1	0	2.5
June-08	0	0	0	0	1.8
October-08	0	0	0	0	2.4
June-09	3.4	0	1.1	0	3.7
December-09	0	0	1.7	0	5.2
June-10	0	0	0	0	0
December-10	0	0	1.1	0	3.4
June-11	0	0	1	0	3.5
December-11	0	0	1	0.72	3.4
June-12	0.56	0	1.2	0.6	0
December-12	0	0	0.76	0	3.1
June-13	1.1	0	1.9	0	5.2
December-13	0.55	0	0.64	0	2.8
June-14	0	0	0.48	0	2.8
October-14	3	0	3.2	0	8.4
June-15	2.8	0	2.9	0	10
Dec-15	1.6	0	2.2	0	7.6
MCL	7	5	5	2	200

Concentrations reported in micrograms per liter.

Bold values exceed the MCL.

EPA Method 8260B was run. Only chemicals with detections above the MCLs were plotted.

EPA-R5-2019-007454_0002141

Table 3

Central Wire Union, Illinois December 2015 RCRA Groundwater Monitoring and Residential Well Sampling Event: Field Sampling Data for Well Stabilization Prior to Sampling

Central Wire December 2015 Field Information

Well & Date	pH	Temp.	Cond	D.O. mg/L	Time		Water Level	Well depth
MW-4	6.88	55.4	340	13.1	7:30		3.61	11.19
12-9-15	7.64	55.5	326	5.3	7:33			
	7.76	55.4	314	4.2	7:36			
	8	56.1	297	3.1	7:39			
	8.05	56.4	294	2.8	7:42			
	8	57.2	440	2.5	7:45			
	7.9	57.7	454	2.5	7:48			
Sampled	7.87	57.7	458	2.6	7:51			
MW-6	8.42	51.1	351	9.3	8:10		7.35	26.89
12-9-15	8.45	51.6	354	2.3	8:13			
	8.47	52	353	1.4	8:16			
	8.46	52	353	1.2	8:19			
	8.46	51.8	351	1.1	8:22			
Sampled	8.46	51.7	351	1.1	8:25			
MW-5	8.12	51	268	12.8	9:05		8.13	38.35
12-9-15	7.89	52	512	6.9	9:08			
	7.84	52.3	516	6.5	9:11			
	7.8	52.6	519	6.4	9:14			
	7.77	52.3	521	6.1	9:17			
Sampled	7.76	52.2	520	6	9:20			
MW-5D	8.05	50.3	489	11.7	9:33		8.12	86.3
12-9-15	8.12	51.8	508	6.7	9:36			
	8.01	52.5	517	5.6	9:39			
	7.84	52.8	522	3.6	9:42			
	7.78	52.9	523	3	9:45			
Sampled	7.76	52.9	523	2.9	9:48			
MW-7	8.1	52.4	355	10.8	10:00		8.39	26.95
12-9-15	7.9	53.8	677	1.2	10:03			
	7.77	54.1	683	0.9	10:06			
	7.76	54.1	685	0.88	10:09			
	7.74	54.2	687	0.77	10:12			
	7.73	54.3	693	0.73	10:15			
Sampled	7.73	54.4	694	0.72	10:18			
MW-8	8.41	50.9	397	12	10:33		7.63	27.18
12-9-15	8.01	58	894	2.5	10:36			
	8.21	52.1	758	1.6	10:39			
	8.1	52.9	791	0.85	10:42			
	8.09	52.9	792	0.85	10:45			
	7.9	53.1	803	0.84	10:48			
Sampled	7.92	53.1	810	0.84	10:51			

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Table 3

Central Wire Union, Illinois December 2015 RCRA Groundwater Monitoring and Residential Well Sampling Event: Field Sampling Data for Well Stabilization Prior to Sampling

Central Wire December 2015 Field Information

Well & Date	pH	Temp.	Cond	D.O. mg/L	Time		Water Level	Well depth
MW-9	8.43	53.3	334	11.1	11:05		7.95	27.19
12-9-15	8.37	53.4	623	3.1	11:08			
	8.15	53.5	621	1.7	11:11			
	7.92	53.8	614	1.2	11:14			
	7.89	53.8	611	0.97	11:17			
Sampled	7.88	53.8	611	0.95	11:20			
MW-2	9.43	55.1	344	9.6	8:33		8.2	14.6
12-9-15	8.97	57.7	411	1.4	8:36			
	8.97	57.7	412	1.4	8:39			
	8.96	57.9	415	1.2	8:42			
	8.78	58.2	427	1	8:45			
	8.56	58.3	447	0.87	8:48			
	8.46	58.4	451	0.87	8:51			
Sampled	8.45	58.4	452	0.86	8:54			
HBR	7.92	55.5	413	6.5	11:40		10.97	27.53
12-9-15	7.89	54.9	407	5.9	11:43			
	7.89	54.8	406	5.7	11:46			
	7.87	54.9	406	5.7	11:50			
	7.84	55	407	5.8	11:53			
Sampled	7.82	55	407	5.8	11:57		Collected dupe at 12:05	
DGW-1D	8.22	52.3	383	12.2	13:05		12.47	82.35
12-9-15	7.63	51.7	733	10.4	13:08			
	7.51	51.9	742	5	13:11			
	7.45	52.2	752	3	13:14			
	7.42	52.2	757	2.1	13:17			
	7.43	52.1	757	2.09	13:20			
Sampled	7.42	52.2	757	2.04	13:23			
DGW-1I	7.47	52.1	722	5.29	13:35		12.59	57.6
12-9-15	7.52	52.6	668	4.44	13:39			
	7.53	52.6	667	4.44	13:42			
	7.53	52.5	658	4.28	13:45			
	7.53	52.5	657	4.26	13:48			
Sampled	7.53	52.5	657	4.25	13:51			
DGW-1S	7.69	51.9	317	14	14:05		12.44	27.45
12-9-15	7.64	52.3	569	8.6	14:08			
	7.62	52.5	552	8.5	14:11			
	7.59	52.1	514	8.95	14:14			
	7.6	52	513	8.96	14:17			

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Table 3

Central Wire Union, Illinois December 2015 RCRA Groundwater Monitoring and Residential Well Sampling Event: Field Sampling Data for Well Stabilization Prior to Sampling

Central Wire December 2015 Field Information

Well & Date	pH	Temp.	Cond	D.O. mg/L	Time		Water Level	Well depth
Sampled	7.6	51.9	511	8.97	14:20			
DGW-2S	7.99	48.5	207	12.5	8:38		5.76	26.82
12-10-15	7.86	48.9	391	8.51	8:41			
	7.84	49.1	388	7.91	8:44			
	7.82	49.2	387	7.6	8:47			
	7.82	49.3	386	7.4	8:50			
Sampled	7.82	49.4	386	7.4	8:53			
DGW-2I	7.75	48.4	132	13.2	8:15		5.97	56.82
12-10-15	7.55	49.4	409	7.4	8:18			
	7.68	49.8	481	2.9	8:21			
	7.72	49.9	494	2.2	8:24			
Sampled	7.7	49.9	495	2.2	8:27			

DGW-2D	8.09	48.7	191	15	7:53		5.13	84.85
12-10-15	7.9	49.5	329	10.5	7:56			
	7.81	49.7	303	9.1	7:59			
	7.63	50	276	8.5	8:02			
	7.6	50	270	8.4	8:05			
Sampled	7.61	50	268	8.4	8:08			
17214 Highbridge	7.78	60.1	649	9.1	9:30			
12-10-15	7.99	59.1	468	8.1	9:33			
	7.96	58.7	449	7.7	9:36			
	7.94	58.7	448	7.7	9:39			
Sampled	7.94	58.7	448	7.7	9:42	Collected MS/MSD		
18010 Rt. 176	Spoke with the son.The outside spigot has been disconnected. Left Jack's name and number.							
12-10-15								
Sampled								
18017 Rt. 176	8.31	64.7	886	1.6	10:12			
12-10-15	8.04	63.4	788	0.69	10:15			
	7.86	63.4	778	0.56	10:18			
	7.79	60.7	745	0.52	10:21			
	7.75	60.7	742	0.48	10:24			
Sampled	7.73	60.8	741	0.48	10:27			
South Branch	7.52	53.5	660	6.48	10:36			
12-10-15	7.57	53.1	654	1.5	10:39			

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Table 3

Central Wire Union, Illinois December 2015 RCRA Groundwater Monitoring and Residential Well Sampling Event: Field Sampling Data for Well Stabilization Prior to Sampling

Central Wire December 2015 Field Information

Well & Date	pH	Temp.	Cond	D.O. mg/L	Time		Water Level	Well depth
	7.54	53.3	657	0.72	10:42			
	7.58	52.8	652	0.62	10:45			
	7.57	52.6	648	0.6	10:48			
Sampled	7.57	52.6	648	0.59	10:51	Sampled spigot on west side of bldg. New well was shut off &		
18216 Rt. 176	7.89	52	456	6.4	11:08			
12-10-15	7.88	55.4	423	6.3	11:12			
	7.87	55.4	423	6.3	11:15			
	7.83	55.4	424	6.2	11:18			
	7.8	55.4	424	6.2	11:21			
Sampled	7.8	55.4	424	6.2	11:24			
18314 Rt. 176	7.91	56.9	357	2.39	11:34			
12-10-15	7.86	56.1	350	1.57	11:37			
	7.84	55.7	347	1.44	11:40			
	7.82	55.4	345	1.33	11:43			
	7.84	55.4	345	1.33	11:46			
Sampled	7.84	55.4	345	1.34	11:49			
18408 Rt. 176	7.88	54.2	475	5.6	12:15			
12-10-15	7.74	53.9	465	0.89	12:18			
	7.73	53.7	465	0.77	12:21			
	7.72	54.4	469	1.8	12:24			
	7.7	54.1	459	1.37	12:27			
Sampled	7.6	53.9	460	1.3	12:30			
18516 Rt. 176	7.64	57.5	493	6.8	12:43			
12-10-15	7.6	56.3	483	6.2	12:46			
	7.57	56.1	484	5.2	12:49			
	7.56	56.1	485	4.9	12:52			
	7.55	56.1	486	4.4	12:55			
Sampled	7.55	56.1	486	4.4	12:58			
18603 Rt. 176	7.88	49	490	0.91	13:10			
12-10-15	7.79	50.1	501	0.7	13:13			
	7.76	50.6	506	0.63	13:16			
	7.72	50.9	508	0.6	13:19			
	7.71	51.1	509	0.57	13:22			
Sampled	7.7	51.1	509	0.56	13:25			

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Table 4

Central Wire Union, IL

Trends in Influent VOC Concentration for Chemicals of Concern

Groundwater Extraction Wells

Year	Units	TCE	PCE	TCA
2007	ug/L	74	20	78
2008	ug/L	50	19	45
2009	ug/L	38.63	11.22	33.19
2010	ug/L	27.8	15	38.3
2011	ug/L	25.3	18.3	38.5
2012	ug/L	19	13	28
2013	ug/L	19	14	18
2014	ug/L	15	17	25
2015	ug/L	13	16	13

PCE = tetrachloroethene, std = 5 µg/L

TCA = 1,1,1-trichloroethane, std = 200 µg/L

TCE = trichloroethene, std = 5 µg/L

µg/L= micrograms /liter

Note: The above annual sample values are averages of four quarter samples from two groundwater extraction wells.

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ATTACHMENT 1

December 2015 Central Wire RCRA CMI Monthly Progress Report
Correlation of Addresses and Occupants of Residential Wells Sampled as a Part of the Semiannual RCRA CMI Groundwater Monitoring and Residential Well Sampling

Logothetti, Gene & Stephanie	18010 Rt. 176
Rusho, Denise	18017 Rt. 176
South Branch Nursery	18101 Rt. 176
Turner (now Ruzga, Richard & Leslie)	18216 Rt. 176
Sickles, Roger	18314 Rt. 176
Standish, George	18408 Rt. 176
Koi Pond (now Helfvogt, Tegan)	18516 Rt. 176
Moss (now unoccupied)	18603 Rt. 176

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