

TO: Congressman Dave Obey
ATTN: Neal Neuberger, Room 2217
Rayburn House Office Bldg.
Washington, D.C. 20515

FROM: Jack Saltes
Area Environmental Engineer
DNR, Box 310
Antigo, WI 54409

SUBJECT-MESSAGE

Neal,

Attached are the Wausau VOC sampling results you requested. If you need help in locating these places, or if you have any questions regarding interpretation of any of the data, please contact me.

If you need any other information or have other questions, feel free to give me a call.

REPLY _____ SIGNED Jack Saltes DATE 6/21/84
Area Environmental Engineer
(715)627-4317

WAUSAU VOC SAMPLING (WELLS)

(45) 28 Trans 1, 2 dichloroethylene (DCE)
 28 Trichloroethylene (TCE)
 20 Tetrachloroethylene (PCE)

Date of Sample	Well Number	DCE $\mu\text{g/l}$	TCE $\mu\text{g/l}$	PCE $\mu\text{g/l}$
4/7/82	9	ND	ND	ND
4/7/82	7	ND	ND	ND
4/7/82	6	1.0	110	ND
4/7/82	3	110	140	86
4/15/82	8	ND	Trace	Trace
4/15/82	6	1.3	110	ND
4/15/82	4	ND	ND	ND
4/15/82	3	87	130	81
6/14/82	6	9	67	<1
6/14/82	4	<1.0	<1	<1
6/14/82	3	<1.0	77	37
11/15/82	6	<2.	190	<0.1
11/15/82	7	<2.	<0.1	<0.1
11/15/82	9	<2.	<0.1	<0.1
2/7/83	3	7.8	82	12
2/7/83	6		118	
7/6/83	7	<1.0	<0.1	<0.1
7/6/83	6	2	140	<1.0
2/6/84	3	4.7	128	4.9

All results are from the State Lab.

WAUSAU VOC SAMPLING (DISTRIBUTION)

Date of Sample	Location	DCE in µg/l	TCE in µg/l	PCE in µg/l
4/7/82	City Hall	30.	29.	16.
4/15/82	Mary Gardens Apt.	6.9	10.	7.6
4/15/82	Art Museum	18.	21.	15.
4/15/82	City Hall	1.9	4.0	2.5
4/15/82	WWTP	10.	14.	9.0
4/15/82	UW Marathon	12.	34.	10.
4/15/82	Mount View Manor	11.	48.	8.8
4/15/82	Employers Regional	9.2	54.	8.2
4/15/82	Ground Reservoir	14.	44.	10.
4/15/82	NCTI	14.	22.	13.
5/6/82	Water Treatment Plant		26.	
5/6/82	Water Treatment Plant		17.	
5/6/82	Water Treatment Plant		35.	
6/14/82	City Hall	110.	13.	0.2
12/30/82	Water Treatment Plant		48.	10.
2/7/83	Fire Station	<1.	26.	<1.
2/7/83	Water Treatment Plant	3.1	82.	3.8
2/7/83	Water Treatment Plant	3.0	72.	3.2
2/7/83	Bob Johnson's Chevy	<1.	37.	1.2
6/13/83	Marathon County Health Care		71.	
6/13/83	Holiday Inn		77.	
6/13/83	Central Fire Station		83.	
6/13/83	City Hall		83.	
7/6/83	Ground Reservoir	93.	7.7	9.4
11/14/83	Holiday Inn		9.5	
12/28/83	City Hall		63.	2.0
12/28/83	Marathon County Health Care		32.	3.0
1/25/84	Health Care Center	<1.0	54.	1.8
1/25/84	City Hall	<1.0	17.	2.9
2/6/84	McDonalds		50.	<1.0
2/13/84	Holiday Inn		31.	1.4
2/13/84	Health Care Center		15.	1.1
2/13/84	City Hall		11.	

<u>Date of Sample</u>	<u>Location</u>	<u>DCE in µg/l</u>	<u>TCE in µg/l</u>	<u>PCE in µg/l</u>
4/2/84	Health Care Center		39.	1.5
4/2/84	City Hall		28.	1.7
5/7/84	Water Treatment Plant		44.	
5/7/84	City Hall		60.	1.0
5/7/84	North Central Health Care		50.	1.0
5/7/84	Holiday Inn		54.	1.0
5/7/84	Central Fire Station		50.	1.3
5/30/84	Wausau Child Care Center		29	1.0
	John Muir Middle School		11	1.0
	North Central Tech. Inst.		8	1.4

3/11/84
11
1.4



Wausau Water Supply

VOC Analyses

Sampling Point	Date	Time	Analyst	Concentrations (PPB)			
				*PCE	*TCE	*DCE	*Toluene
Water Plant	3-02-82	Unknown	EPA	9	63	26	---
Well 3	3-16-82	"	Zimpro	100	100	40-50	---
Well 6	"	"	"	---	75	---	---
Well 7	"	"	"	---	---	---	---
Well 9	"	"	"	---	---	---	---
Water Plant Effluent	"	"	"	50-60	100	20-30	---
Well 3	4-07-82	13:52	SLH	86	140	110	---
Well 6	"	13:05	"	---	110	1.0	---
Well 7	"	13:20	"	---	---	---	---
Well 9	"	13:22	"	---	---	---	---
City Hall	"	13:42	"	16	29	30	---
Well 3	4-15-82	14:21	SLH	81	130	87	---
Well 4	"	13:25	"	---	---	---	---
Well 6	"	14:35	"	---	110	1.3	---
Well 8	"	12:50	"	Trace	Trace	---	---
NCTI	"	14:45	"	13	22	14	---
Grd. Res.	"	14:55	"	10	44	14	---
Employer's	"	15:05	"	8.2	54	9.2	---
Mtn. View	"	15:20	"	8.8	48	11	---
U.W.-M.C.	"	15:38	"	10	34	12	---
POTW	"	15:47	"	9	14	10	---
City Hall	"	16:03	"	2.5	4	1.9	---
LWK Art	"	16:15	"	15	21	18	---
Mary Gardens	"	16:25	"	7.6	10	6.9	---
Water Plant Effluent	5-3-82	Unknown	Raltec	---	14.0	---	---
City Hall	"	"	"	---	15.0	---	---
Airport	"	"	"	---	2.2	---	---
Water Plant Influent	5-6-82	14:59	SLH	---	26	---	---
Clairifer Effluent	"	15:12	"	---	35	---	---
Water Plant Effluent	"	15:19	"	---	17	---	---
Well 3	6-14-82	11:26	SLH	37	77	---	---
"	"	"	Raltec	51.8	15.7	81.3	---
"	"	"	Zimpro	62	117	37	---

Wausau Water Supply

VOC Analyses

Concentrations (PPB)

Point	Date	Time	Analyst	*PCE	*TCE	*DCE	*Toluene
Well 4	6-14-82	11:15	SLH	---	---	---	---
"	"	"	Raltec	---	0.8	---	---
Well 6	6-14-82	11:45	SLH	---	67	9	---
"	"	"	Raltec	---	138	1.3	---
"	"	"	Zimpro	---	115	1.0	---
City Hall	"	12:00	SLH	0.2	13	110	---
"	"	"	Raltec	---	18.9	---	---
"	"	"	Zimpro	---	22.0	---	---
Airport	"	Unknown	Raltec	---	7.5	---	---
"	"	"	Zimpro	---	5.7	---	---
Test Well 1	+7-13-82	"	Zimpro	---	---	---	---
Test Well 2	"	"	"	Trace	---	---	---
Test Well 3	"	"	"	---	---	---	---
Test Well 4	"	"	"	---	---	---	---
Wergin Well	"	"	"	108	227	2090	---
Wergin Well	7-21-82	"	"	129	203	1260	---
MW1	"	"	"	-	-	-	---
Well 3	8-9-82	"	"	57	92	51	---
Well 6	"	"	"	-	119	1.8	---
Wergin Well	9-27-82	"	"	390	110	2020	---
Well 3	"	"	"	22	140	29	---
MW 5	"	"	"	790	230	1140	---
MW 6	"	"	"	230	240	2910	---
Wergin Well	9-09-82	"	"	800	150	620	---
Well 3	"	"	"	15	190	20	---
MW 5	"	"	"	310	110	370	---
MW 6	"	"	"	190	150	440	---
Wergin Well	9-24-82	"	"	531	88	519	---
Well 3	"	"	"	27	128	22	---
Well 3	9-28-82	"	"	30	95	26	---
MW 5	10-28-82	"	"	224	118	515	---
MW 6	"	"	"	281	259	142	---
Well 3	"	"	"	23	89	11	---
Well 4	"	"	"	50	55	339	136
City Hall	"	"	"	5	66	63	18
Airport	"	"	"	5	61	65	---
Wergin Well	"	"	"	516	133	956	---
MW 7	"	"	"	6	3	3	11
Well 4	11-02-82	"	"	29	13	303	102
Well 7	11-15-82	10:53	SLH	---	---	---	---
Well 9	"	11:00	"	---	---	---	---
Well 6	"	10:45	"	---	190	---	---

not on
other
summary
sheet

Wausau Water Supply

VOC Analyses

Concentrations (PPB)

Point	Date	Time	Analyst	*PCE	*TCE	*DCE	*Toluene
Trt Plt raw	12-30-82	9:57	"	10	48	NR	NR
Bob Johnson's	2-07-83	15:30	"	1.2	37	---	---
Well 6	"	12:35	"	---	118	---	---
Well 3	"	12:25	"	12	82	7.8	---
Post-Aerator (Conventional)	"	12:55	"	72	3.2	3.0	---
Post-Aerator (Modified)	"	12:45	"	82	3.8	3.1	---
Fire Station	"	13:20	"	--	26	---	---
Well 3	5-3-83		Zimpro	11.2	102	7.5	NR
Well 6	"		"	0.1	152	7.5	---
Wergin Well	"		"	36.5	61.8	545	NR
Holiday Inn	"		"	1.2	46.1	1.4	NR
Central Fire	"		"	2.2	28.2	8.2	NR
Well 3	6-30-83		Zimpro	10.3	75.2	7	
Well 4	6-30-83		"	16.7	1.2	164	
Well 5	"		EPA	13.4	70.8	7.6	
Well 4	"		"	21.8	1.7	202	

*Abbreviations

- PPB: Parts Per Billion (Micrograms per liter)
- : Below Detection Limit
- PCE: Tetrachloroethylene
- TCE: Trichloroethylene
- DCE: Trans 1, 2 Dichloroethylene
- TTHM: Total Trihalomethanes
- SLH: State Lab of Hygiene
- : Blanks indicate no analysis performed
- +: Collection date uncertain

Note: Zimpro analyses of 3-16'82 samples were not quantitative, concentrations were only estimated.