



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468  
www.epa.state.oh.us

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korteski, Director

Re: Van Wert County  
City of Van Wert  
CWS  
PWS OH8100611

March 20, 2009

OH8100611 VAN WERT CITY

44 03/20/09

Mr. Jay Fleming  
Safety Service Director  
City of Van Wert  
515 East Main Street  
Van Wert, Ohio 45891-1870



Subject: CFE Turbidity Treatment Technique Violation

Dear Mr. Fleming:

In violation of rule 3745-81-73(A)(1), the public water system failed to provide sufficient filtration when the turbidity of filtered water was not less than or equal to 0.3 NTU in at least 95% of the grab samples analyzed during February 2009.

Noncompliance is a treatment technique violation that requires tier 2 public notification in accordance to rules 3745-81-32(C & E) as soon as practical, but no later than 30 days after the public water system learns of the violation, or March 31, 2009. A copy of the most recent public notice for any continuing treatment technique violation must be given to all new billing units or new customers prior to or at the time service begins. An example public notice is attached.

The public water system must submit to the Northwest District a completed verification form indicating that it has fully complied with the public notification rules within 10 days of completing the public notification requirements for the initial public notice and any repeat notices. A representative copy must be included of each type of notice distributed, published, posted, and made available to the persons served by the public water system and to the media.

If the public water system fails to correct its violations, then the director may enforce the safe drinking water rules to attain compliance. An enforcement action may include civil penalties of not more than \$25000 per day per violation in accordance with RC §§6109.33, or administrative penalties in accordance with rule 3745-81-04.

If you have any questions regarding this letter, or any other matter involving your water system, you may contact me at (419)373-3048, or email at [Ralph.Baker@epa.state.oh.us](mailto:Ralph.Baker@epa.state.oh.us).

Sincerely,

Ralph J. Baker  
Engineer  
Division of Drinking and Ground Waters  
/csl

pc: DDAGW w/attachment  
ec: Ralph Baker, DDAGW, NWDO  
Toni Buchanan, DDAGW, CO  
Jean Whitson, DDAGW, NWDO

# SURFACE WATER TREATMENT PLANT DISINFECTION AND TURBIDITY MONTHLY OPERATIONAL REPORT

**PUBLIC WATER SYSTEM INFORMATION:**

PWS Name: Van Wert Water Treatment Plant  
 STU Name: Van Wert City  
 Pws ID#: 8100611 STU #: 8159424

**LABORATORY INFORMATION:**

Reporting Period: 2/1/2009  
 Lab Cert. #: 1561

**CEARWELL INFORMATION:**

Calculation Type: Simple  
 Disinfectant Monitored Continuous?: Yes

**EPA SUBMISSION INFORMATION:**

Received Date: 3/9/2009  
 Form #: 9192276 Form Date: 2/1/2009  
 Status Code: Valid

Cleanwell ID	Surface Area (sq. ft.)	Approved Eff. Vol. Factor	Used for Calc.
1	7008	0.5	Y

**DISTRIBUTION DISINFECTANT REPORTING:**

Number of Samples Analyzed: 39  
 Number of Samples Below Required Residual: 0  
 Percent of Number Meeting Disinfectant Required: 100  
 Percent Meeting Minimum Disinfectant Requirement for Previous Month: 100

**FILTRATION TYPE:**

Filtration Type Code: Conventional  
 Turbidity Monitoring Location: Plant effluent or immediately prior to entry into distribution system.

Date	Lowest Residual Disinfection at Entrance to Distribution System		Duration Residual Disinfectant Fell Below Requirements (hours, tenths)	Peak hourly Treatment Flow (gpm)	Highest pH	Lowest Temp (C)	Lowest Cleanwell Operating Depth/Level (feet)	Lowest Disinfect Conc.	Effective Contact Time (min.)	Actual Ct	Required Ct	Interpolation	Total Hrs. Filtering	Max. Turb. (NTU)	Min. Turb. (NTU)	Ave. Turb. (NTU)	Tot. # of Results	Number Results Exceeding	Hours Results Recorded	Hours Results Exceeding
1	1.72			1944	9.7	5	5.1	1.72	68.761	118.268	57	N	13.8	0.2	0.12	0.16	5	0		
2	1.81			1944	9.3	5	5.4	1.83	72.805	133.234	58	N	15.3	0.22	0.17	0.18	5	0		
3	1.81			1944	9.1	5	6.2	1.86	83.591	163.839	59	N	15.3	0.2	0.12	0.16	5	0		
4	1.9			1944	8.2	5	6.7	1.92	90.333	173.438	44	N	15.3	0.22	0.13	0.17	5	0		
5	1.95			1944	9	5	6.7	2.17	90.333	196.022	60	N	15.3	0.16	0.1	0.13	5	0		
6	1.86			1944	9	5	6.5	2.14	87.636	187.541	60	N	15.3	0.26	0.17	0.21	5	0		
7	2.16			1944	9.3	5	7.2	2.16	97.074	209.679	60	N	13.3	0.15	0.1	0.12	5	0		
8	1.87			1944	8.5	5	5.5	1.98	74.154	146.824	49	N	13.8	0.14	0.1	0.12	5	0		
9	1.96			1944	9	5	5.8	2.1	78.198	164.216	60	N	15.3	0.17	0.14	0.15	5	0		
10	1.95			1944	9.2	5	5.5	2.05	74.154	152.015	59	N	15.3	0.2	0.16	0.18	5	0		
11	1.8			2242	9.2	6	7.7	1.97	90.016	177.332	56	N	13.5	0.38	0.19	0.28	5	2		
12	1.86			2118	9.4	6	9.3	2.59	115.086	298.073	60	N	15.3	0.54	0.17	0.33	5	2		
13	1.95			1944	9.3	5	6.4	2.13	86.288	183.793	60	N	15.5	0.19	0.16	0.17	5	0		
14	2			2118	9.4	5	7.3	2	90.336	180.673	59	N	13.3	0.19	0.17	0.18	5	0		
15	2.24			2118	9.2	5	5.4	2.32	66.824	155.032	61	N	1.3	0.21	0.18	0.19	5	0		
16	2.14			1944	9.3	5	6.2	2.2	83.591	183.901	60	N	15.3	0.4	0.19	0.26	5	1		
17	2.22			1944	9.4	5	5.8	2.26	78.198	176.728	60	N	15.3	0.44	0.36	0.43	5	5		
18	2.43			1944	9.4	5	5.8	2.46	78.198	192.368	62	N	15.3	0.4	0.18	0.28	5	2		
19	2.43			1944	9.4	6	7.4	2.48	99.77	247.43	59	N	15.3	0.38	0.19	0.26	5	1		
20	2.19			1944	9.4	5	7	2.19	94.377	208.686	60	N	15.3	0.53	0.33	0.42	5	4		
21	2.21			1944	9.1	4	6.9	2.29	93.029	213.036	66	N	13.5	0.54	0.44	0.5	5	5		
22	2.16			1944	9.4	3	4.9	2.35	66.064	155.251	73	N	13.3	0.51	0.19	0.32	5	2		
23	2.19			1944	9.4	4	6	2.49	80.895	201.428	68	N	15.3	0.36	0.15	0.21	5	1		
24	1.95			1944	7.7	4	5.8	2.03	78.198	158.743	40	N	14.8	0.43	0.19	0.29	5	1		
25	2.18			1944	8.8	5	5.9	2.25	79.547	178.98	56	N	15.3	0.23	0.21	0.23	5	0		
26	2.14			1844	9.1	5	6.1	2.2	82.243	180.935	60	N	15.3	0.26	0.21	0.23	5	0		
27	2.22			1944	9.3	5	6.4	2.27	86.288	195.873	60	N	15.3	0.29	0.2	0.25	5	0		
28	2.26			2242	9.2	6	7.9	2.26	92.354	208.721	57	N	13.3	0.39	0.25	0.32	5	2		
29									0	0	0	N								
30									0	0	0	N								
31									0	0	0	N								

Summary Totals 0.54 0.1 0.2404

3/20/2009

NAME OF RESPONSIBLE OFFICIAL: Donald Lippi

Lippi

DATE: 3/9/2009

OPERATOR CERTIFICATION NUMBER: 499006

Page 1 of 3

# SURFACE WATER TREATMENT PLANT DISINFECTION AND TURBIDITY MONTHLY OPERATIONAL REPORT

**PUBLIC WATER SYSTEM INFORMATION:**

PWS Name: Van Wert Water Treatment Plant  
 STU Name: Van Wert City \*  
 Pws ID#: 8100611                      STU #: 8159424

**LABORATORY INFORMATION:**

Reporting Period: 2/1/2009  
 Lab Cert. #: 1561

**CEARWELL INFORMATION:**

Calculation Type: Simple  
 Disinfectant Monitored Continuous?: Yes

**DISTRIBUTION DISINFECTANT REPORTING:**

Number of Samples Analyzed: 39  
 Number of Samples Below Required Residual: 0  
 Percent of Number Meeting Disinfectant Required: 100  
 Percent Meeting Minimum Disinfectant Requirement  
 for Previous Month: 100

**EPA SUBMISSION INFORMATION:**

Received Date: 3/9/2009  
 Form #: 9192276                      Form Date: 2/1/2009  
 Status Code: Valid

Clearwell ID	Surface Area (sq. ft.)	Approved Eff. Vol. Factor	Used for Calc.
1	7008	0.5	Y

**FILTRATION TYPE:**

Filtration Type Code: Conventional  
 Turbidity Monitoring Location: Plant effluent or immediately prior to entry into distribution system.

**TURBIDITY RESULTS EXCEEDING STANDARD**

Date / Time	Turbidity (NTU)	Duration (0.1 hrs.)
2/21/2000 08:30:00	0.51	
2/22/2000 08:30:00	0.51	
2/11/2009 22:00:00	0.38	
2/11/2009 23:15:00	0.37	
2/12/2009 07:30:00	0.43	
2/12/2009 10:00:00	0.54	
2/16/2009 22:00:00	0.4	
2/17/2009 07:30:00	0.44	
2/17/2009 10:00:00	0.44	
2/17/2009 14:00:00	0.36	
2/17/2009 18:00:00	0.47	
2/17/2009 22:00:00	0.44	
2/18/2009 07:20:00	0.4	
2/18/2009 10:00:00	0.4	
2/19/2009 22:00:00	0.38	
2/20/2009 08:15:00	0.39	
2/20/2009 10:00:00	0.39	
2/20/2009 18:00:00	0.47	
2/20/2009 22:00:00	0.53	
2/21/2009 10:00:00	0.53	
2/21/2009 14:00:00	0.44	
2/21/2009 18:00:00	0.46	
2/21/2009 20:00:00	0.54	
2/22/2009 10:00:00	0.46	

## SURFACE WATER TREATMENT PLANT DISINFECTION AND TURBIDITY MONTHLY OPERATIONAL REPORT

**PUBLIC WATER SYSTEM INFORMATION:**

PWS Name: Van Wert Water Treatment Plant  
 STU Name: Van Wert City  
 Pws ID#: 8100611      STU #: 8159424

**LABORATORY INFORMATION:**

Reporting Period: 2/1/2009  
 Lab Cert. #: 1561

**CEARWELL INFORMATION:**

Calculation Type: Simple  
 Disinfectant Monitored Continuous?: Yes

**DISTRIBUTION DISINFECTANT REPORTING:**

Number of Samples Analyzed: 39  
 Number of Samples Below Required Residual: 0  
 Percent of Number Meeting Disinfectant Required: 100  
 Percent Meeting Minimum Disinfectant Requirement  
 for Previous Month: 100

**EPA SUBMISSION INFORMATION:**

Received Date: 3/9/2009  
 Form #: 9192276      Form Date: 2/1/2009  
 Status Code: Valid

Clearwell ID	Surface Area (sq. ft.)	Approved Eff. Vol. Factor	Used for Calc.
1	7008	0.5	Y

**FILTRATION TYPE:**

Filtration Type Code: Conventional  
 Turbidity Monitoring Location: Plant effluent or immediately prior to entry into distribution system.

**TURBIDITY RESULTS EXCEEDING STANDARD**

Date / Time	Turbidity (NTU)	Duration (0.1 hrs.)
2/23/2009 22:00:00	0.36	
2/24/2009 10:00:00	0.43	
2/28/2009 18:00:00	0.39	
2/28/2009 22:00:00	0.39	



# DRINKING WATER NOTICE

## City of Van Wert Did Not Meet Treatment Requirements

We routinely monitor our water for turbidity (cloudiness). This tells us whether we are effectively filtering the water supply. Water samples for February 2009 showed that 20 percent of turbidity measurements were more than 0.3 NTU. The standard is no more than 5 percent of samples may exceed 0.3 NTU per month.

### What should I do?

- **You do not need to boil the water or take other actions.** We do not know of any contamination, and none of our testing has shown disease-causing organisms in the drinking water.
- *Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. People with severely compromised immune systems, infants, and some elderly people may be at increased risk. These people should seek advice about drinking water from their health care providers.*
- The symptoms above are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.

### What is being done?

We are investigating and taking the necessary steps to correct the problem as soon as possible.

For more information, please contact \_\_\_\_\_ at \_\_\_\_\_ or \_\_\_\_\_.  
name of contact phone number mailing address

General guidelines on ways to lessen the risk of infection by microbes are available from the EPA Safe Drinking Water Hotline at (800) 426-4791.

*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

PWS: OH8100611 Date distributed: \_\_\_\_\_