



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES, WATER SUPPLY SECTION
William R. Snodgrass Tennessee Tower, 11th Floor
312 Rosa L. Parks Avenue
Nashville, Tennessee 37243

INTERIM ENHANCED SURFACE WATER TREATMENT RULE
FILTER PERFORMANCE REPORT ⁽¹⁾

Public Water System _____
Name and Address: _____

Phone: _____

County: _____

PWSID #	FACILITY ID #	SAMPLE PERIOD START DATE	END DATE	TOTAL HOURS PLANT OPERATED THIS MONTH	LABORATORY ID
<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	<div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>
<div style="display: flex; justify-content: space-between;"><div>REPORTABLE SAMPLES ⁽²⁾ REQUIRED <div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div></div><div>TAKEN <div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div></div></div>		NUMBER OF REPORTABLE SAMPLES LESS THAN OR EQUAL TO THE LOWER NTU STANDARD ⁽³⁾ <div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	PERCENT OF REPORTABLE SAMPLES LESS THAN OR EQUAL TO THE LOWER NTU STANDARD <div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	NUMBER OF REPORTABLE SAMPLES EXCEEDING THE UPPER NTU STANDARD ⁽⁴⁾ (LIST DATES ON BACK) <div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>	HIGHEST FINISHED WATER TURBIDITY THIS MONTH <div style="display: flex; justify-content: space-between;"><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div><div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div><div style="width: 20px; height: 20px;"></div></div></div>

Notes:

(1) This form applies to filtration systems utilizing either a surface water supply or a source that has been designated groundwater under the direct influence of surface water.

(2) Systems utilizing cartridge filtration must at a minimum, measure turbidity once per day while treating water. Systems required to measure and record finished water turbidity every 4 hours that the plant is in operation, shall report the highest value measured during each 4-hour period. Systems utilizing continuous monitoring turbidimeters shall report the highest recorded value for every 4 hour period.

(3) NTU standards vary depending on the type of filtration treatment provided, and include a lower limit that must be met in 95% of the reportable samples, and an upper limit that cannot be exceeded without receiving a treatment technique violation. Use the lower NTU standard applicable to this facility for this calculation.

(4) Indicate the number of reportable samples that exceeded the upper NTU standard. On the back of this form, indicate the dates when a sample exceeded the upper NTU standard, and the date the state was notified.

A. FOR ALL FILTERS AT THIS FACILITY

Y or N

B. FOR ANY FILTER AT THIS FACILITY ⁽⁵⁾

Y or N

Filter Numbers (maximum of 4 filters)

1. Was turbidity monitored continuously and the results recorded for each filter effluent line?

☐

Were any 2 consecutive filter effluent measurements taken 15 minutes apart:

☐

2. If the answer to question number 1 is no, was grab sampling conducted for every 4 hours the continuous monitor was out of service?

☐

1. Greater than 0.5 NTU after the first 4 hours of operation?

☐

3. If the answer to question number 2 is yes, was grab sampling conducted for more than 5 consecutive days on any individual filter?

☐

2. Greater than 1.0 NTU?

☐

3. Greater than 1.0 NTU in each of 3 consecutive months?

☐

4. Greater than 2.0 NTU in two consecutive months?

☐

Note:

(5) If this facility answered "Yes" to any question listed in Section B., then the system must submit a "Monthly Turbidity Exceedance Report" (CN-1196) for the individual filter that met at least one of the conditions listed.

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

PREPARED BY: _____ DATE: _____ PHONE: (____) _____ APPROVED BY: _____ DATE: _____ PHONE: (____) _____

Date Finished Water Sample Exceeded Applicable Standard	Date State Notified of Finished Water Sample Exceeding Applicable Standard	Date Finished Water Sample Exceeded Applicable Standard	Date State Notified of Finished Water Sample Exceeding Applicable Standard
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

INSTRUCTIONS

FIELD NAME

PWSID
Entry Point
Sample Period Start Date
Sample Period End Date
Total Hours Plant Operated This Month
Laboratory ID Number
Reportable Samples Required
Reportable Samples Taken
Number of Samples Less Than or Equal to Applicable Standard
Percent of Samples Less Than or Equal to Applicable Standard
Number of Samples Exceeding Applicable Standard
Highest Finished Water Turbidity This Month
Did this facility meet the Contact Time (CT) requirements for each day it was in operation?

DESCRIPTION

Enter the seven-digit public water system identification number for your water system.
Enter the entry point code that has been assigned by the state for this source.
Enter the starting date of the sampling period. Enter as month-day-year. Example: July 1, 2001, would be entered as 070101
Enter the ending date of the sampling period. Enter as month-day-year. Example: July 31, 2001, would be entered as 073101
Enter the total number of hours the plant filtered water during the month reported.
Enter the five-digit laboratory ID number assigned to the lab that analyzed the turbidity samples.
Enter the number of reportable turbidity samples required to be taken during this sampling period.
Enter the number of reportable turbidity samples taken during this sampling period.
Enter the number of reportable samples less than or equal to the applicable turbidity standard for this treatment facility.
Enter the percentage of reportable samples less than or equal to the applicable turbidity standard for this treatment facility. Example: 200 reportable samples taken, 180 samples less than or equal to applicable standard, calculate percentage by: $180/200 \times 100\% = 90.0\%$.
Enter the number of samples exceeding the highest applicable turbidity standard for this treatment facility.
Enter the highest finished water turbidity value measured during this sampling period.
Enter "Y" for Yes or "N" for No.

For All Filters at This Facility

Continuous Monitoring Was the turbidity of all filters at this facility monitored continuously and the results recorded?
Enter "Y" for Yes or "N" for No.
Grab Sampling Was grab sampling conducted every 4 hours the continuous monitor was out of service?
Enter "Y" for Yes or "N" for No.
Grab Sampling for Individual Filter Was grab sampling performed for more than 5 consecutive days on any individual filter?
Enter "Y" for Yes or "N" for No.

For Any Filter at This Facility, were any 2 consecutive turbidity measurements taken 15 minutes apart?

Greater than 0.5 NTU after the first 4 hours of operation Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.
Greater than 1.0 NTU after the first 4 hours of operation Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.
Greater than 1.0 NTU in each of 3 consecutive months Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.
Greater than 2.0 NTU in two consecutive months Enter "Y" for Yes or "N" for No, and enter Filter numbers to the right.