



# LONG TERM 1 - ENHANCED SURFACE WATER TREATMENT RULE SUMMARY

North Dakota Department of Health  
 Division of Municipal Facilities  
 SFN 54272 (1/2009)

Public Water System (PWS) Name	PWS Number  ND _____
Report for the Month of	Operator's Signature

## Treatment Plant Performance (Section A)

<b>Subsection 1 - Combined Filter Effluent Turbidity</b>			
1. Maximum allowable turbidity level: _____ NTU	<b>Exceedance of Maximum Turbidity</b>		
2. Total number of daily turbidity samples required during the month: _____			
3. Total number of daily turbidity samples taken during the month: _____	Date	Time	Turbidity (NTU)
4. <b>Percentage of readings that met allowable turbidity level:</b> _____ %			
5. <b>Number of days with readings above 1.0 NTU:</b> _____ Day(s) (Conventional and Direct Filtration Technology)			
6. <b>Number of days with readings above 5.0 NTU:</b> _____ Day(s) (Slow sand and Diatomaceous Earth Filtration Technology)			
7. Highest single turbidity reading recorded during the month: _____ NTU	Write " <b>NONE</b> " in box if no exceedance		

<b>Subsection 2 - Individual Filter Monitoring Data</b>				
1. Exception Report(s) for Individual Filter Monitoring:	N/A	Filter Profile	Filter Self-Assessment	CPE
2. Exception Report(s) for Individual Filter Monitoring submitted:	N/A	Filter Profile	Filter Self-Assessment	CPE
3. Is a written explanation describing that an exceedance was caused by an obvious reason required in lieu of a filter profile? Yes _____ N/A _____				

<b>Subsection 3 - Total Organic Carbon (TOC) Removal Monitoring Data</b>		
1. Is system on reduced monitoring?	Yes _____ No _____	
2. Required TOC removal:	_____ %	(column D from "TOC Removal Worksheet")
3. Actual TOC removed by the plant:	_____ %	(column E from "TOC Removal Worksheet")
4. Ratio of TOC removed to required TOC removal:	_____	(column F from "TOC Removal Worksheet")

<b>Subsection 4 - Point-of-Entry (POE) Disinfectant Residual Monitoring Data</b>		
1. Type of final disinfectant used.	_____	
2. Total number of daily POE disinfectant residual samples required for the month:	_____	
3. Total number of POE disinfectant residual samples taken during the month:	_____	
4. <b>Total number of POE disinfectant residual samples under 0.2 mg/L measured during the month:</b>	_____	
5. Range of POE disinfectant residual entering the distribution system each month:	Low _____ mg/L	High _____ mg/L
6. Average of the lowest POE disinfectant residual measurements entering the distribution system each month is:	_____ mg/L	

Summary of Low Point-of-Entry Residual Events				
Date	Duration of Low Residual Event (Hours)	Date/Time Division Contacted Regarding Low Residual Event	Date/Time Residual Restored	Date/Time Division Contacted Regarding Restoration of Residual

## Distribution System (Section B)

- |   |               |                |
|---|---------------|----------------|
| 1. Minimum disinfectant residual required in the distribution system at each bacteriological site = Trace as: | Free Chlorine | Total Chlorine |
| 2. Total number of distribution system disinfectant residual readings required during the month:              | _____         |                |
| 3. Total number of distribution system disinfectant residual readings taken during the month:                 | _____         |                |
| 4. Total number of readings taken during the month that showed no detectable residual:                        | _____         |                |
| 5. <b>Percentage of readings with no residual detected this month:</b>  | _____ %       |                |
| 6. <b>Percentage of readings with no residual detected last month:</b>  | _____ %       |                |

## Public Notification (Section C)

Treatment Technique Violation	Yes/No	If yes, dates when notice was given to:	
		This Department*	Customers**
Were the percentages of readings that met allowable turbidity level less than 95.0% - <b>Line 4 subsection 1 Treatment Plant Performance Summary Section A</b>	Yes No		
Were there any days with turbidity readings above 1.0 NTU (conventional or direct filtration)? - <b>Line 5 subsection 1 Treatment Plant Performance Summary Section A</b>	Yes No		
Were there any days with turbidity readings above 5.0 NTU (diatomaceous earth or slow sand filtration)? - <b>Line 6 subsection 1 Treatment Plant Performance Summary Section A</b>	Yes No		
Were there any periods when the residuals leaving the plant fell below the acceptable level for more than 4 consecutive hours? - <b>Line 4 subsection 4 Treatment Plant Performance Summary Section A</b>	Yes No		
Were there more than 5.0% of the residuals in the distribution system below the acceptable level for any two consecutive months in a row? - <b>lines 5 &amp; 6 Distribution System Section B</b>	Yes No		

**\*Due by the end of the next business day**

**\*\*Copies of each public notice must accompany this report**

NOTE: When issuing notice to the Department about the exceedance of maximum turbidity limits, or low point-of-entry residual events, systems must include: date(s), time(s), value(s), and duration(s) for **ALL MEASUREMENTS** (see [Instructions For Completing The Enhanced Surface Water Treatment Rule Data Recording Forms - Sections 1 and 4](#)).

Submit [Enhanced Surface Water Treatment Rule-Summary Form](#) along with [Combined Filter Effluent Turbidity](#), [Individual Filter Turbidity Monitoring Data-Summary Form](#), [Exceptions Report for Individual Filter Monitoring](#) (if required), [Point-of-Entry Disinfectant Residual Monitoring Data](#), and [Distribution System Disinfectant Residual Monitoring Data](#) by the 10<sup>th</sup> of the following month to:

Division of Municipal Facilities  
 918 East Divide Avenue, 3rd Floor  
 Bismarck, ND 58501-1947  
 Telephone number (701) 328-5211  
 Fax number (701) 328-5200