

ENVIRONMENTAL PROTECTION DIVISION

Stage 2 Disinfectants and Disinfection Byproducts Rule Operational Evaluation Report For SURFACE WATER DRINKING WATER SYSTEMS

A. ADMINISTRATIVE				
PWS No.	Prepared Dat	e		
PWS Name	Prepared B	y		
	Titl	e		
B. OPERATION EVAULATION LEVEL	L (OEL)			
This report is submitted for the following me	onitoring period.			
Check One: \Box 1 st Quarter \Box 2 nd Quarter \Box 3 rd Quarter \Box 4 th Quarter Year				
Total Trihalomethanes Exceeded? Yes No		el	□ mg/L □ ug/L	
• If yes, what was the last sample collection date?				
• If yes, what was the amount of chloroform present in the sample result?		el	mg/L ug/L	
Haloacetic Acids (HAA5s) Exceeded? Yes No		el	□ mg/L □ ug/L	
• If yes, what was the last sample collection date?				
• If yes, what was the amount of monobromoacetic acid present in the sample result?		el	mg/L ug/L	
• If yes, what was the amount of dibromoacetic acid present in the sample result? Level I mg/L ug/L		mg/L ug/L		
C. HISTORY				
1. In the previous quarter, was the OEL exceeded? Image: Yes image: No				
 If yes, did your system submit an Operation Evaluation Report (OER)? If your system did submit an OER in the previous quarter, please skip to Section H. 				

2. In past years, do your TTHMs normally exceed 0.080 mg/L during the quarter indicated in Section B, reduce in the next quarter, and maintain the calculated locational running annual average (LRAA) value below 0.080 mg/L? □ Yes □ No □ Unsure						
• If yes, please provide th	U		1 7 1	plicable qua	rters to de	monstrate
that TTHMs reduce from	1	arter to the ne	-			
Month 1	Year		TTHM Level		mg/L	ug/L
Month 2	Year		TTHM Level		mg/L	ug/L
 Month 1 is the month of Month 2 is the followin If your data demonstrate then you may proceed d 	g quarter during es a normal redu	the previous ction of TTH	year.	_	s year.	
 3. In past years, do your HAA5s normally exceed 0.060 mg/L during the quarter indicated in Section B, reduce in the next quarter, and maintain the calculated locational running annual average (LRAA) value below 0.060 mg/L? 						
	• If yes, please provide the following information from the past year's applicable quarters to demonstrate that HAA5s reduce from the current quarter to the next quarter.					
Month 1	Year		TTHM Level		mg/L	ug/L
Month 2	Year		TTHM Level		mg/L	ug/L
 Month 1 is the month of the sample collection date (from Section B) for the previous year. Month 2 is the following quarter during the previous year. If your data demonstrates a normal reduction of HAA5s to remain in compliance, then you may proceed directly to section H. 						
D. SOURCE WATER If this submittal is an update from prior reports, skip to Section H.						
1. Have you changed the practices in getting your source water? e.g., changed intake rates or frequency, changed intake structure depth?			es 🗌 No			
2. Have you changed/added sources?						
3. Does your system have groundwater wells or sources as well? If yes, you may also want to fill out the OER for groundwater systems. □ Yes □ No						
4. Have you seen visual changes in source water quality? e.g., turbidity, color, algae blooms, etc.				es 🗌 No		
 5. Have you seen changes in source water quality measurements? e.g., changes in turbidity, pH, temp, alkalinity, hardness, increased filter changes or number of backwash cycles required. 						
	 5. Have you seen changes in the watershed that may impact the source water? e.g., drought conditions, heavy rain, animal feed lots, agricultural practices, wildfires, industrial practices, etc. 				es 🗌 No	

7. If you answered " YES " to any of the questions above (Sections D.1-D	*			
8. Do you have water temperature data during the month of the OEL ex	ceedance?	Yes No		
• If yes, what was the water temperature nearest to	Date			
the DBP sample collection date above?	Measured			
• If no, please measure the temperature in the source	Date Measured			
water.				
9. Do you have raw water pH data during the month of the OEL exceeda	nce?			
• If yes, what was the pH value nearest to the DBP	Date			
sample collection date above?	Measured			
• If no, please measure the pH in the source water.	Date Measured			
10. Do you have raw water turbidity data during the month of the OEL e	1 1	Yes No		
• If yes, what was the maximum turbidity nearest to the DBP sample collection date above?	Date Measured			
If no, please measure the turbidity in the source	Date			
water.	Measured			
11. Do you have raw water Alkalinity data during the month of the OEL exceedance?				
• If yes, what was the alkalinity nearest to the DBP				
sample collection date above?	Measured			
• If no, please measure the alkalinity in the source	Date			
water. Measured				
12. Do you have raw water Total Organic Carbon (TOC) data during the month of the OEL exceedance?				
• If yes, what was the TOC value nearest to the	Date			
DBP sample collection date above?	Measured			
• If no, please measure the TOC in the source water.	Date Measured			
E. WATER TREATMENT If this submittal is an update from prior reports, skip to Section H.				
1. Have you changed the amount or type of disinfectant?				
e.g., chlorine to chloramines, changed disinfectant dosage, etc.2. Have you changed or added locations of disinfectant points along the t	$\Box Yes \Box No$			
3. Other than disinfection, have you changed or made additions to any tre	Yes No			
4. Have you made changes to any other chemical applications?	amont processes:			
e.g., change any chemicals (change coagulant type or filter aid), filter materi	al, changes in	🗌 Yes 🗌 No		
application points, changing dosage of any chemical, etc.				

5. If you answered "YES" to any of the questions above (Sections E.1-E.4), please explain: 6. Do you have coagulant dosage data during the month of the OEL exceedance? Yes No • If yes, what was the coagulant dosage in the treatment process? Date Measured • If no, please measure coagulant dosage. Date Measured • What is the name of the coagulant product?						
If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? Date Measured 7. Do you have polymer data during the month of the OEL exceedance, if applicable? Date Measured If no, please measure coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured 8. Do you have chlorine dosage data during the month of the OEL exceedance? Yes □ No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes □ No If yes, what was the amonium dosage nearest to the DBP sample collection date above? Date Measured 9. Does your system use chlorine monium dosage, please measure the amonium dosage rate. Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Yes □ No 9. If yes, what was the POE chlorine residual to the DBP sample collection date above? Measured 11. Does your system use chloramines for secondary disinfection? Yes □ No If yes, what was the POE chlorin	5. If you answered " <u>YES</u> " to any of the questions above (S	5. If you answered " <u>YES</u> " to any of the questions above (Sections E.1-E.4), please explain:				
If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? To you have polymer data during the month of the OEL exceedance, if applicable? If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured What is the name of the polymer product? So you have chlorine dosage data during the month of the OEL exceedance? Yes No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No Yes No If yes, what was the amonium dosage nearest to Measured Measured Measured 9. Does your system use chloramine dosage rate. Date Measured Measured If yes, what was the amonium dosage, please measure the amonium dosage, please measure the amonium dosage rate. Date Measured Yes No 9. Tyes, data was the POE chlorine residual to the DBP sample collection date above? Measured Yes No 10. Do you have chlorine residual to the DBP sample collectino residual to the DBP sample collection date above? <td></td> <td></td> <td></td>						
If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? To you have polymer data during the month of the OEL exceedance, if applicable? If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured What is the name of the polymer product? So you have chlorine dosage data during the month of the OEL exceedance? Yes No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No Yes No If yes, what was the amonium dosage nearest to Measured Measured Measured 9. Does your system use chloramine dosage rate. Date Measured Measured If yes, what was the amonium dosage, please measure the amonium dosage, please measure the amonium dosage rate. Date Measured Yes No 9. Tyes, data was the POE chlorine residual to the DBP sample collection date above? Measured Yes No 10. Do you have chlorine residual to the DBP sample collectino residual to the DBP sample collection date above? <td></td> <td></td> <td></td>						
If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? To you have polymer data during the month of the OEL exceedance, if applicable? If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured What is the name of the polymer product? So you have chlorine dosage data during the month of the OEL exceedance? Yes No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No Yes No If yes, what was the amonium dosage nearest to Measured Measured Measured 9. Does your system use chloramine dosage rate. Date Measured Measured If yes, what was the amonium dosage, please measure the amonium dosage, please measure the amonium dosage rate. Date Measured Yes No 9. Tyes, data was the POE chlorine residual to the DBP sample collection date above? Measured Yes No 10. Do you have chlorine residual to the DBP sample collectino residual to the DBP sample collection date above? <td></td> <td></td> <td></td>						
If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? To you have polymer data during the month of the OEL exceedance, if applicable? If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured What is the name of the polymer product? State Measured What is the name of the polymer product? Date Measured What is the name of the polymer product? Yes No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No If yes, what was the amonium dosage, please measure the amonium dosage nearest to Measured Date Measured If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured If yes, what was the POE chlorine residual to the DBP sample collection date above? Measured If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured If yes, what was the POE chlorine residual to the DBP sample collection date abov						
If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? To you have polymer data during the month of the OEL exceedance, if applicable? If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured What is the name of the polymer product? So you have chlorine dosage data during the month of the OEL exceedance? Yes No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No Yes No If yes, what was the amonium dosage nearest to Measured Measured Measured 9. Does your system use chloramine dosage rate. Date Measured Measured If yes, what was the amonium dosage, please measure the amonium dosage, please measure the amonium dosage rate. Date Measured Yes No 9. Tyes, data was the POE chlorine residual to the DBP sample collection date above? Measured Yes No 10. Do you have chlorine residual to the DBP sample collectino residual to the DBP sample collection date above? <td></td> <td></td> <td>I <u> </u></td>			I <u> </u>			
treatment process? Measured If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? 7. Do you have polymer data during the month of the OEL exceedance, if applicable? If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured 8. Do you have chlorine dosage data during the month of the OEL exceedance? Yes No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured If yes, what was the ammonium dosage rate. Date Measured If yes, what was the POE chlorine residual to the DBP sample collection date above? Measured If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Measured If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Measured If yes, what was the POE chlorin		the OEL exceedance?				
If no, please measure coagulant dosage. Date Measured What is the name of the coagulant product? 7. Do you have polymer data during the month of the OEL exceedance, if applicable? If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? Date Measured What is the name of the polymer product? Date Measured 8. Do you have chlorine dosage data during the month of the OEL exceedance? Yes No If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Measured If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured If yes, what was the ammonium dosage nearest. Date Measured If yes, what was the POE chlorine residual to the DBP sample collection date above? Measured If yes, what was the POE chlorine residual. Date Measured If yes, what was the POE chlorine residual to the DBP sample collection date above? Measured If yes, what was the POE chlorine residual to the DBP sam						
If no, please measure coagulant dosage. Measured What is the name of the coagulant product?	treatment process?					
7. Do you have polymer data during the month of the OEL exceedance, if applicable? • If yes, what was the coagulant dosage in the treatment process? Date Measured • If no, please measure coagulant dosage. Date Measured • What is the name of the polymer product? State Measured 8. Do you have chlorine dosage data during the month of the OEL exceedance? Is the same of the polymer product? 8. Do you have chlorine dosage data during the month of the OEL exceedance? Date Measured • If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Measured • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Measured • If yes, what was the ammonium dosage nearest. Date Measured • If yes, what was the POE chlorine residual to the OEL exceedance? Date Measured • If yes, what was the POE chlorine residual. Date Measured • If yes, what was the POE chlorine residual. Date Measured • If yes, what was the POE chlorine residual. Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above	• If no, please measure coagulant dosage.					
If yes, what was the coagulant dosage in the treatment process? Date Measured If no, please measure coagulant dosage. Date Measured What is the name of the polymer product? If no, please measure coagulant dosage data during the month of the OEL exceedance? If yes, what was the average chlorine dosage mearest to the DBP sample collection date above? Date Measured If no, please measure the chlorine dosage. Date Measured Date Measured If no, please measure the chlorine dosage. Date Measured Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? If yes No If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? If yes into out the month of the OEL exceedance? If yes into out the month of the OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured If yes into out the measured into out the month of the OEL exceedance? If yes into out the month of the OEL exceedance? If no, please measure the POE chlorine residual to the DBP sample collection date above? Date Measured If yes into out the Measured If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Measured If yes into into into the Measur	• What is the name of the coagulant product?					
treatment process? Measured • If no, please measure coagulant dosage. Date Measured • What is the name of the polymer product? 8. Do you have chlorine dosage data during the month of the OEL exceedance? Yes No • If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured • If no, please measure the chlorine dosage. Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured • If yes and you don't know the ammonium dosage, please measure the anmonium dosage rate. Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Yes No • If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual. Date Measured • If no, please measure the POE chlorine residual an earest to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual. Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If yes, what was the POE chlorine residual ne	7. Do you have polymer data during the month of the OEL	exceedance, if applicable?				
• If no, please measure coagulant dosage. Date Measured • What is the name of the polymer product? 8. Do you have chlorine dosage data during the month of the OEL exceedance? Yes No • If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured • If no, please measure the chlorine dosage. Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured • If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Yes No • If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No •	• If yes, what was the coagulant dosage in the	Date				
 If no, please measure coagulant dosage. Measured What is the name of the polymer product? 8. Do you have chlorine dosage data during the month of the OEL exceedarce? If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? If no, please measure the chlorine dosage. Date Measured Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? If yes, what was the ammonium dosage nearest to the DBP sample collection date above? If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? If no, please measure the POE chlorine residual. If no, please measure the POE chlorine residual. Date Measured If no, please measure the POE chlorine residual. If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual. If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the Date Measured If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sa	treatment process?	Measured				
 What is the name of the polymer product? 8. Do you have chlorine dosage data during the month of the OEL exceedance? If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? If no, please measure the chlorine dosage. Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? If yes, what was the ammonium dosage nearest to the DBP sample collection date above? If yes, what was the ammonium dosage nearest to the DBP sample collection date above? If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. I0. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? If no, please measure the POE chlorine residual. If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual. If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sam	• If no, please measure coagulant dosage.					
8. Do you have chlorine dosage data during the month of the OEL exceedance? Yes No • If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured • If no, please measure the chlorine dosage. Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured • If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Yes No • If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured 11. Does your		Measured				
• If yes, what was the average chlorine dosage nearest to the DBP sample collection date above? Date Measured • If no, please measure the chlorine dosage. Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured • If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Date Measured • If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? D	• What is the name of the polymer product?					
nearest to the DBP sample collection date above? Measured • If no, please measure the chlorine dosage. Date Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes No • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured • If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Yes No • If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured • If yes, what was the POE chlorine residual. Date Measured • If no, please measure the POE chlorine residual. Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date Measured	8. Do you have chlorine dosage data during the month of the OEL exceedance?					
 If no, please measure the chlorine dosage. Date Measured Does your system use chloramines (not free chlorine) for secondary disinfection? If yes, what was the ammonium dosage nearest to the DBP sample collection date above? If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? If no, please measure the POE chlorine residual. Date Measured Date Measured Yes No If no, please measure the POE chlorine residual. Date Measured Yes No If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? 						
 If no, please measure the chlorine dosage. Measured Measured 9. Does your system use chloramines (not free chlorine) for secondary disinfection? If yes, what was the ammonium dosage nearest to the DBP sample collection date above? If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? If no, please measure the POE chlorine residual. 11. Does your system use chloramines for secondary disinfection? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? 	nearest to the DBP sample collection date above?					
9. Does your system use chloramines (not free chlorine) for secondary disinfection? Yes • If yes, what was the ammonium dosage nearest to the DBP sample collection date above? Date Measured • If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Yes • If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual. Date Measured 11. Does your system use chloramines for secondary disinfection? Yes • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date Measured	• If no, please measure the chlorine dosage.					
 If yes, what was the ammonium dosage nearest to the DBP sample collection date above? If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date Measured Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? If no, please measure the POE chlorine residual. Date Measured Date Measured Date Measured If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? 						
the DBP sample collection date above? Measured If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Image: Collection date above? If yes, what was the POE chlorine residual to the DBP sample collection date above? Date If no, please measure the POE chlorine residual. Date If yes, what was the POE chlorine residual. Date If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date		-				
 If yes and you don't know the ammonium dosage, please measure the ammonium dosage rate. Date Measured Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? If no, please measure the POE chlorine residual. Date Measured Date Measured Date Measured Date Measured If yes, what was the POE chlorine residual. If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? 						
please measure the ammonium dosage rate. Measured 10. Do you have chlorine residual data at the point of entry (POE) during the month of the OEL exceedance? Yes No • If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual. Date Measured 11. Does your system use chloramines for secondary disinfection? Yes No • If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date • If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? Date	1					
OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? Date Measured If no, please measure the POE chlorine residual. Date Measured 11. Does your system use chloramines for secondary disinfection? If yes No If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured		Measured				
 OEL exceedance? If yes, what was the POE chlorine residual to the DBP sample collection date above? If no, please measure the POE chlorine residual. Date Measured Date Measured If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual 	10. Do you have chlorine residual data at the point of entry (POE) during the month of the					
DBP sample collection date above? Measured If no, please measure the POE chlorine residual. Date Measured 11. Does your system use chloramines for secondary disinfection? Image: Collection of the DBP sample collection date above? If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? Date Measured If no, please measure the POE chlorine residual Date If no, please measure the POE chlorine residual Date						
 If no, please measure the POE chlorine residual. Date Measured Date Measured Date If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual Date Date Date 						
 If no, please measure the POE chlorine residual. Measured Measured Measured Measured Yes No If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual Date 						
 If yes, what was the POE chlorine residual nearest to the DBP sample collection date above? If no, please measure the POE chlorine residual Date 	• If no, please measure the POE chlorine residual.					
to the DBP sample collection date above? Measured If no. please measure the POE chlorine residual Date	11. Does your system use chloramines for secondary disinfection?					
• If no, please measure the POE chlorine residual Date		Date	•			
If no please measure the POF chlorine residual	to the DBP sample collection date above?					
	• If no, please measure the POE chlorine residual.					

12. Do you have finished water Total Organic Carbon (TOC) data during the month of the OEL exceedance?				Yes No
• If yes, what was the TOC during or closest to the		Date		
DBP sample collection date above?			Measured	
Date		Date		
• If no, please measure the finished wat	er TOC.		Measured	
F. DISTRIBUTION SYSTEM	If this submi	ttal is an update fr	rom prior reports,	skip to Section H.
1. Have you added additional service areas (i	ndustry or re	esidential)?		
e.g., adding additional pipes or annexing addi residence times	•	,	ıld change	Yes No
2. Have you experienced significant increase			d?	TYes No
e.g., drought restrictions, industry opening/clo	osing, populat	ion change		
• If yes, what is the primary suspected cause of water demand changes?				
3. Does your system have storage tanks in the	e distributior	n system?		Yes No
• If yes, how many water storage tanks	does your sy	stem have?		
• Do any storage tank(s) fill and drain f	5 5		tank?	Yes No
• Do any above ground metal storage ta		<u> </u>		
condensation differences along the ou		Yes No	Data	
between upper and lower portions of t			Date	
tank in the morning? Note: This cou	ld	N/A	Inspected	
indicate inadequate water turnover in	the tank.			
• Do you have tank management/operational procedures? e.g., cleaning schedule, set operational levels of your tank (high and low), etc?			Yes No	
What is the longest approximate average residence time in the			Hours	
storage tanks?			Days	
4. Does your system have a regular distribution flushing program?			Yes No	
If yes, what was the last date that flushing operations were performed?				
• If yes, have you been changing your distribution flushing procedures?			Yes No	
5. Do you have the chlorine residual measured at the disinfection byproduct (DBP) sample location?			Yes No	
• If yes, what was the chlorine residual	during or		Date	
closest to the DBP sample collection of	-		Measured	
• If no, please measure the chlorine resi			Date	
DBP sample location. Measured				
6. Do you have the water temperature measured at the disinfection byproduct (DBP) sample				
location?				
• If yes, what was the water temperature	e during or		Date	
closest to the DBP sample collection of	late above?		Measured	
• If no, please measure the water tempe	rature at the		Date	
DBP sample location.			Measured	

7. Do	7. Do you have the pH measured at the disinfection byproduct (DBP) sample location?				Yes No
•	• If yes, what was the pH during or closest to the Date				
	DBP sample collection date above? Measured				
•	, I			Date	
	location.			Measured	
	es your system provide additional chlorine (e.g. bo stribution system?	oster chlor	ination)	in the	🗌 Yes 🗌 No
•	If yes, what is the chlorine residual at the				•
	nearest location before additional chlorine is		mg/L	Date Measured	
	added?		0		
•	If yes, what is the chlorine residual at the				
	nearest location <u>after</u> additional chlorine is		mg/L	Date Measured	
	added?			2	
9 Die	d you have costumer complaints about water quality	/ during th	e OEL e	xceedance	
	ionth?	, aaning in		necedunee	∐ Yes ∐ No
•	If yes, what was the general nature				
	about water quality compliant?				
G. C	ONTROL PLAN If this subm	ittal is an u	update fro	om prior reports, s	kip to Section H.
1. In	terms of your source water management, do you pla	an to moni	tor or im	plement best	
	anagement practices in your source water?			L	∐ Yes ∐ No
 Does your system have a source water management plan? 			Yes No		
• Does your system implement any best management practices (BMPs) in your					
watershed?			Yes No		
•	• Does your system monitor for any water quality parameters in the source water?			Yes No	
2. In regarding your existing equipment and infrastructure, do you plan to make					
operational adjustments to improve the quality of your drinking water for DBP			Yes No		
co	control?				
• If yes, are you planning to adjust your chemical feeds?			Yes No		
 If yes, are you planning to change any chemical products? 			Yes No		
• If yes, are you planning to start up any existing process equipment not used during					
	the sampling period indicated in Section A?				
• If yes, are you planning to adjust any existing powdered activated carbon (PAC) feed					
rates?					
•				Yes No	
•	• If yes, are you planning to adjust any existing aeration processes in your drinking			☐ Yes ☐ No	
	water treatment plant?				
	If yes, are you planning to make changes to your flushing program?				
•	• If yes, are you planning to increase your monitoring of chlorine residuals in the distribution system?			Yes No	
•	• If yes, are you planning to make other changes to your operations?			Yes No	

• If you are planning other operational changes, please describe:	
3. In regard to upgrades for your equipment or infrastructure, do you plan to make any	
capital improvements to your system to improve water quality for DBP control?	Yes No
• If yes, are you planning to replace or install new feed pumps?	Yes No
• If yes, are you planning to add new chemicals to your system?	Yes No
• If yes, are you planning to add aeration to any of your storage tanks?	Yes No
• If yes, are you planning to install a new treatment process to address DBPs?	Yes No
• If yes, are you planning to switch your disinfectant?	Yes No
• If yes, are you planning to add new water mains to reduce dead-ends?	Yes No
• If yes, are you planning to install aeration equipment to any of your storage tanks?	Yes No
• If yes, are you planning other upgrades to your public water system?	Yes No
4. Please provide a short statement about the control plan that your system will implement to r	reduce
disinfection byproducts (DBPs):	

H. CONTROL PLAN UPDATES	
Only fill out this section, if you filled out an operational evaluation report (OER) in the previo data provided from Sections C.2 and C.3 instructed you to complete this section.	us quarter, or the
1. Does your plan only rely on natural decreasing water temperatures to bring your	
locational running annual average (LRAA) calculated value within compliance?	Yes No
2. Are you continuing with the exact same control plan in your previous report?	Yes No
• If yes, please provide an update on the status of accomplishing the items identified in the control plan:	he previous
3. Are you planning to use other methods not identified in your previous report to lower your disinfection byproducts (DBPs) ?	Yes No
• If yes, are these new methods going to be implemented in the source watershed? (<i>If yes, go back to Section D Source Water above</i>)	Yes No
 If yes, are these new methods going to be implemented in the water treatment process? (If yes, go back to fill out Section E Water Treatment above) 	🗌 Yes 🗌 No
 If yes, are these new methods going to be implemented in the distribution system or the water storage tanks? (If yes, go back to fill out Section F Distribution System above) 	🗌 Yes 🗌 No
4. Please provide a short-written statement about the control plan updates and status that your planning or implementing to reduce disinfection byproducts (DBPs):	

I certify that the information in this entire report, including any attachments, is true and accurate to the best of my knowledge.

Signature:	Date:
Printed Name:	License #:
Contact Email address:	_Contact Phone Number:

Send the completed report to Georgia EPD no later than 90 days after being notified of the analytical results that caused you to exceed the operational evaluation level using one of the following:

- Mail: Environmental Protection Division Attn: Leslie Lundeen 2 Martin Luther King Jr. Drive Suite 1152 East Floyd Tower Atlanta, GA 30334
- Fax: 770-342-3903 Attn: Leslie Lundeen

Email: leslie.lundeen@dnr.ga.gov with PWS ID Number and "DBP2 OER" in the subject line.