

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

## Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR) Operational Evaluation Report

Date:

PWS Name:		PWS ID #:	PWS ID #:		
You need to complete this report to the be notified of the analytical results that trigge Make sure all documentation includes you	ered this repo	ort. Explanations may need additional of	•	_	
Operational Evaluation Level exceeded	TTHM HAA5	Level			
A. Source & Source Water Quality					
1. Have you changed the practices in get pumping depth, well rehab, changed in rates, pumping times or frequency, etc.	take depth or		Yes	No	
<ol> <li>Have you changed/added sources? e.g., turned on emergency sources, drilled new well, changed/added purchase connection, etc.</li> </ol>		Yes	No		
3. Have you seen changes in source water hardness, drought conditions, heavy rapractices, etc. Surface water systems water (protection) areas, increased filt required.	ain, changes should also c	in animal feed lots, agricultural consider algae blooms, fires in source	Yes	No	
If you answered "YES" to any of the ques	stions above	(Section A), please explain:			
B. Treatment Operations					
1. Have you changed the amount or type changed disinfectant dosage, etc.	of disinfecta	ant? e.g., chlorine to chloramines,	Yes	No	
2. Have you changed or added locations	of disinfecta	nt points? e.g., add booster, etc.	Yes	No	
3. Other than disinfection, have you char processes?	nged or made	e additions to any treatment	Yes	No	
4. Have you made changes to any other (change coagulant type or filter aid), char			Yes	No	

chemical, etc.		
If you answered "YES" to any of the questions above (Section B), please explain:		
C. Distribution System Operations		
Have you added additional service connections (industry or residential)? e.g., adding	Yes	No
additional pipes or annexing additional areas of service which could change residence times	1 68	INU
2. Have you experienced significant increases or decreases in water demand? e.g., drought	Yes	No
restrictions, industry opening/closing, population change		110
3. Has additional piping created new loops or dead-ends?	Yes	No
4. Does your storage tank fill and drain from the bottom (potentially causing stagnation at	Yes	No
the top)?		
5. Has the residence time of your tank(s) increased or decreased? i.e., are tanks being	Yes	No
filled/drained more or less often?		
6. Have you had frequent line breaks or major construction in your distribution system?	Yes	No
7. Do you purchase water that has no disinfectant or a different disinfectant than what you	Yes	No
currently use? e.g. you purchase water with chloramines and you add chlorine	<b>X</b> 7	N.T.
8. Do you have areas where disinfectant residual levels are below the minimum regulatory	Yes	No
requirement?  O Have you had significant abanges in ablaring demand to maintain residuals?	Vag	Nio
9. Have you had significant changes in chlorine demand to maintain residuals?	Yes	No
10. Have you changed your distribution flushing procedures?	Yes	No
11. Have you had any changes in treatment that occur in distribution? e.g., changes in booster chlorination or dosage?	Yes	No
12. Have you had an increase in customer complaints?	Yes	No
If you answered "YES" to any of the questions above (Section C), please explain:	•	
D. Additional Operations		
D. Additional Questions	37	NI-
1. Do you have tank management/operational procedures? e.g., cleaning schedule, set operational levels of your tank (high and low), etc?	Yes	No
2. Can you allow the tank(s) to drain lower to flush out "older" water?	Yes	No
3. Can you reduce chlorine/chloramines dosage and still maintain required residuals in	Yes	No
distribution?		110
4. Do you have a flushing program?	Yes	No
5. Does your purchase contract require that water being delivered meets all Federal		No
Standards, including DBPs?		
6. Does your contract allow for a flushing credit?	Yes	No

7. Can you	work with your seller system to optimize water age, reducing DBP formations?	Yes	No
If you answer	red "NO" to any of the questions above (Section D), please explain:		
E Additional	Information		
E. Additional		·	
operation, trea	n what steps you could take to minimize future TTHM/HAA5 formations. e.g., chement process, or distribution maintenance, etc.	anges in	
my knowledg	the information in this entire report, including any attachments, is true and accurage. I acknowledge that any knowingly false or misleading information may be purand other applicable laws.		
Signature:	Date:		
Printed Name	e: License #:		
Contact Ema	il address: Contact Phone Number:		
	apleted report to EPA Region 8 no later than 90 days after being notified of the arou to exceed the operational evaluation level using one of the following:	nalytical re	sults
Mail:	Stage 2 DBPR Rule Manager Mail Code: 8P-W-DW US EPA Region 8 1595 Wynkoop Street Denver, CO 80202-1129		
Fax:	1-(877) 876-9101 Attn: Stage 2 DBPR Rule Manager		
Email:	R8DWU@epa.gov		