US Environmental Protection Agency Region 8 Drinking Water Section, 1595 Wynkoop Street, Denver, CO 80202-1129, R8DWU@epa.gov <u>https://www.epa.gov/region8-waterops</u> <u>Maximum Residual Disinfectant Level (MRDL) Reporting Form for</u> <u>Chlorine Dioxide (CIO₂)</u>												
PWS ID No: SYSTEM NAME: PREPARED DATE: PREPARED BY:												
PREPARED DATE:			PREPARED BY:									
	TITLE:											
REPORTING												
Current Year: Month:			Does distribution system maintain a free chlorine residual? Does system add additional chlorine in distribution system downstream of the point of entry?									
	Report Due:											
DAILY MEASUREMENTS:												
Water Treatment P			Plant Distribution System (Near 1st Customer)					Distribution System (Whole System)				
	ClO ₂ Equipment	Chlorine Dioxide (ClO ₂) Point of Entry	Previous Day	Additional Samples			ClO ₂ at 12 hours	Additional Samples	Customer	ClO ₂ Average Residence Time	Time	
Day	in Use?	mg/L	over MCL?	Required?	mg/L	mg/L	mg/L	Required?	mg/L	mg/L	mg/L	Violation
	MMARY: ClO ₂ Residual ClO ₂ Violation		0	mg/L								

INSTRUCTIONS FOR COMPLETING

1. PWS ID No.: Enter the PWS ID assigned to your public water system.

2. System Name: Enter the System Name.

3. Prepared date: Enter the date that the final report is prepared.

4. Prepared by: Enter the name of the person completing the form.

5. Title: Enter title/position of individual preparing the form.

6. Reporting Period Year: Enter the year of the reporting period.

7. Reporting Period Month: Select the month of the reporting period.

8. Report Due: The due date of the report will appear.

9. Distribution using free chlorine question: If the distribution system maintains a free chlorine residual, indicate "Yes." Otherwise, inicate "No."

10. Additional chlorine question: If the system adds additional chlorine downstream of the point of entry into the distribution system, indicate "Yes." Otherwise, indicate "No." 11. Day: The day will automatically appear once the reporting period is entered above.

12. ClO2 Equipment in Use: If chlorine dioxide was added to the water at any time of the day, indicate "Yes". Otherwise, indicate "No."

13. Chlorine Dioxide (ClO,) Point of Entry: Enter the point of entry chlorine dioxide measurement. Please note, chlorine in ClO2 has an oxidative state of 4.

14. Previous Day over MCL: This will indicate whether the previous day's samples were over 0.80 mg/L.

15. Near 1st Customer Additional Samples Required: This will indicate whether the 3 samples near the 1st customer are required.

16. ClO₂ at 0 hours: If required, collect this sample prior to 11:30 AM.

17. ClO2 at 6 hours: If required, collect this sample 6 hours later than the sample collected in Step 16.

18. CIO₂ at 12 hours: If required, collect this sample 12 hours later than the sample collected in Step 16.

19. Distribution System Additional Samples: This will indicate whether the 3 samples throughout the distribution system are required.

20. ClO2 Near 1st Customer: If required, collect a sample near the 1st customer. This can be the same sample as required in Step 16.

21. CIO2 Average Residence Time: If required, collect a sample near the middle of the distribution system, or the location of average water age for the distribution system.

22. CIO2 Maximum Residence Time: If required, collect a sample at the end of the distribution system, or the location of the oldest water age.

23. Violation: This column will indicate whether a potential violation has occurred.

Acute Violations = Please contact the DBP Rule Manager immediately for assistance.

Nonacute Violations = Please contact the DBP Rule Manager within forty eight (48) hours.