



# Instructions for Daily Entry Point Chlorine Dioxide/Chlorite

## Results and Form Submission

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For Schedules, Additional Information, and Guidance Please Visit: <http://wqcdcompliance.com>

## General Information

- This is a Quarterly Report for Daily Chlorine Dioxide and Chlorite, and Additional Chlorine Dioxide Monitoring
- This form applies to Systems that treat water with chlorine dioxide anywhere in their treatment process. Transient water systems are NOT required to monitor for chlorite.
- If the sample result is Below the Detection Limit (BDL) then enter 'o' for the value.
- Distribution System chlorite samples must be analyzed by a State certified laboratory and the results must be reported on a State form.
- Two consecutive daily chlorine dioxide samples exceeding 0.8 mg/L or failure to monitor a daily sample after exceeding 0.8 mg/L in a daily sample is a non-acute violation. A System exceeding the daily chlorine dioxide level of 0.8 mg/L must take a 3-sample set in the distribution system the following day. If any one of the three samples taken in the distribution system is greater than 0.8 mg/L or the System fails to monitor in the distribution system is an acute violation. The System must notify CDPHE of an acute or non-acute violation within 24 hours.

## Abbreviations/Acronyms

- N/A: Not Applicable.
- PO: Plant Off.
- mg/L: Milligrams per Liter.
- MRDL: Maximum Residual Disinfectant Level.



# Daily Entry Point Chlorine Dioxide/Chlorite

## Main Form Information

1. PWS ID: Enter the Public Water System (PWS) Identification assigned by the Colorado Department of Public Health and Environment (CDPHE). This may be found on your [monitoring schedule](#).
2. System Name: Enter system legal name provided to CDPHE when PWS ID assigned.
3. Facility ID: Enter the Facility Identification assigned by CDPHE. This may be found on your [monitoring schedule](#).
4. Sample Point ID: Enter the Sample Point Identification assigned by CDPHE. This may be found on your [monitoring schedule](#).
5. Contact Person: The person at the PWS able to answer questions about these samples.
6. Phone Number or Email #: The phone number or email of the contact person.
7. Compliance Quarter - Year: The calendar quarter and year of these results, e.g. 2nd Quarter (April - June) - 2014.
8. Chlorine Dioxide Column: The daily entry point measurement of chlorine dioxide for each day of the month in which chlorine dioxide is operating. If not operating, enter 'PO' for the day. If the day does not exist in the month then enter 'N/A'. **If any daily entry point chlorine dioxide measurement is greater than 0.8 mg/L, the System is required to sample in the distribution system as described below.**
9. Chlorite Column: The daily entry point measurement of chlorite for each day of the month in which chlorine dioxide is operating. If the chlorine dioxide is not operating, enter 'PO' for the day. If the day does not exist in the month then enter 'N/A'. **If any daily entry point chlorite sample is greater than 1.0 mg/L, the System is required to collect a 3 sample set in the distribution system the next day at locations representing the first customer, average residence time, and maximum residence time in the distribution system. If the sample result is Below the Detection Limit (BDL) then enter 'o'.**
10. Number of Samples Required: The number of days in the month minus the number of days not operating.
11. Number of Samples Taken: The number of chlorine dioxide or chlorite samples collected in the month.

## Distribution System Chlorine Dioxide Monitoring

1. Exceedance Requirement: Any daily entry point sample of chlorine dioxide that exceeds the MRDL of 0.8 mg/L triggers a requirement for a set of 3 distribution system samples be taken the next day as close to the first customer as possible at intervals of at least six (6) hours, UNLESS the System uses chlorine as a residual disinfectant and booster chlorinates, then the samples must be collected the next day at 3 different locations: **first customer, location representing average residence time, and location representing maximum residence time.**
2. Sample date, Time, Result, and Violation: The required sample information for the three chlorine dioxide samples (for each instance when the entry point chlorine dioxide residual measurement exceeds 0.8 mg/L).