

Chlorite and Chlorine Dioxide Report

Applicability

This form currently applies to all community and all non-community water systems that use surface water or groundwater under the influence of surface water systems and serve a population of at least 10,000 and use chlorine dioxide as a disinfectant. Note transient non-community water systems have only to monitor and report chlorine dioxide (do not have to monitor and report chlorite).

From January 2004 this form shall apply to ALL water systems including Transient Non Community water systems that use Chlorine Dioxide.

Chlorite Sample Results.

This section does NOT apply to transient non-community water systems.

- The daily point of entry (POE) chlorite samples shall be reported on the monthly operator's report.
- The monthly distribution system three-sample set shall be reported on this form along with the average of the three results.
- Where a POE chlorite result exceeds the chlorite MCL of 1.0mg/l then an additional 3 sample set from the distribution system shall be taken and recorded on this form along with the value and date of the exceeding POE sample. These shall all be recorded on the same line.
- If the average of a three-sample set exceeds the chlorite MCL then check the exceedance column.

Chlorine Dioxide Sample Results.

This section is also applicable to transient non-community water systems.

- The daily point of entry (POE) chlorine dioxide samples shall be reported on the monthly operator's report.
- Where a POE chlorine dioxide result exceeds the chlorine dioxide MRDL of 0.8mg/l then an additional 3 sample set from the distribution system shall be taken and recorded on this form along with the value and date of the exceeding POE sample. These shall all be recorded on the same line.
- If the average of the three-sample set exceeds the chlorine dioxide MRDL then check the exceedance column.

If chlorine dioxide or chloramines are used to maintain a disinfectant residual or if chlorine is used to maintain a disinfectant residual with no additional chlorine addition points then:

The three sample set locations are close to first customer at six-hour intervals.

If chlorine is used to maintain a disinfectant residual with booster chlorine points in the distribution system then: 1st sample = first customer; 2nd sample = average residence time; 3rd sample = maximum residence time. Also ensure the booster chlorination check box is checked.