



MONTHLY CHLORINE DIOXIDE MONITORING

State Form 53282 (6-07)
Indiana Department of Environmental Management (IDEM)
Office of Water Quality - Drinking Water Branch - Compliance Section

- INSTRUCTIONS:**
- 1- For each day of the month, record a daily chlorine dioxide sample measurement taken at the point of entry (POE).
 - 2- Indicate "yes" or "no" if the daily chlorine dioxide POE measurement exceeds 0.8 mg/L.
 - 3- On each day following a daily chlorine dioxide POE measurement that exceeds 0.8 mg/L, record sample results for three distribution system samples taken. The required distribution system monitoring locations depend on the disinfectant residual and whether additional disinfectant is added after the entrance to the distribution system:
 - If chlorine dioxide or chloramines are used to maintain a disinfectant residual in the distribution system, or if chlorine is used to maintain a disinfectant residual in the distribution system and there are no disinfection addition points after the entrance to the distribution system, for example, no booster chlorination, the system shall take three samples as close to the first customer as possible, at intervals of at least six hours.
 - If chlorine is used to maintain a disinfectant residual in the distribution system and there are one or more disinfection addition points after the entrance to the distribution system, for example, booster chlorination, the system shall take one sample at each of the following locations: at the first customer, at a location representing average residence time, and at a location representing maximum residence time.

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PWSID #	System Name:		
Treatment Plant Name/Number:			Please submit completed forms to: IDEM OWQ Drinking Water – Mail Code 66-34 100 N. Senate Ave. Indianapolis, IN 46204-2251
Submitted by:	Month	Year	

Disinfectant used to maintain a disinfectant residual in the distribution system: _____
 Are there any disinfection addition points after the point-of-entry to the distribution system? _____

Day	<u>Point-Of-Entry (POE) Chlorine Dioxide Samples</u>		<u>Three (3) Distribution System Chlorine Dioxide Samples</u>		
	Level (mg/L)	Is the level > 0.8 mg/L?	Level at <u>1st customer</u> (mg/L)	Level at <u>1st customer at least 6 hours later or location of average residence time</u> (if booster chlorination practiced) (mg/L)	Level at <u>1st customer at least 6 hours later or end of distribution system</u> (if booster chlorination practiced) (mg/L)
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Dates which chlorine dioxide concentration > 0.80 mg/L: _____
