

Ground Water Rule Reporting Instructions

Reporting Entry Point Residuals (Compliance Monitoring):

Groundwater systems that provide DEP approved 4-log inactivation and/or removal of viruses for its groundwater sources must submit daily entry point residual concentrations to demonstrate that treatment is being provided. Systems will receive notification in writing that the Department has approved their 4-log treatment submission.

- Daily entry point disinfectant residual concentrations must be reported using the SDWA-1 form.
- Systems reporting daily entry point disinfectant residual concentrations must report the lowest entry point residual concentration recorded each day.
- If the residual concentration falls below the required level, the system must report the date and time the system discovers the residual to be below the required level. The system must also report the date and time the residual is first found to be at or above the required level. Any additional periods when the residual concentration falls below the required level must likewise be reported.
- If an entry point is not in use, a system must submit a record for the day or days the entry point was not in use.

For this purpose, there is a new sample type of 'N' (Not in Use/Operation). Whenever a record is submitted using the Sample Type of 'N', the following fields must not be reported: Analysis Method, Result, Analysis Date, Location ID 2, and Sample Time. The following fields are required: PWSID, Contaminant ID, Location ID 1, and Sample Date. Sample Type 'N' is only valid with disinfectant contaminant codes and entry point locations.

Refer to the [Laboratory Reporting Instructions for Disinfectant Residuals, Disinfection Byproducts and Precursors](#) (document number 383-3301-306) for a list of disinfectant contaminant codes and analysis method codes.

Example: A system is required to have a 0.20 mg/L chlorine concentration at entry point 101. The entry point was not in use the first and second of the month. On the third of the month the system finds the entry point chlorine concentration to be 0.10 mg/L at 8:00 AM. At 11:00 AM the system finds the entry point chlorine concentration to be at an acceptable level of 0.22 mg/L. The rest of the month the lowest daily chlorine concentration was at or above the required level. Below is an example of the information that would be reported:

SDWA-1 Form:

| PWSID | Contaminant ID | Analysis Method | Result | Analysis Method | Location ID 1 | Location ID 2 | Sample Date | Sample Type | Sample Time |
|---------|----------------|-----------------|--------|-----------------|---------------|---------------|-------------|-------------|-------------|
| 1234567 | 0999 | | | | 101 | | 05/01/2010 | N | |
| 1234567 | 0999 | | | | 101 | | 05/02/2010 | N | |
| 1234567 | 0999 | 301 | 0.10 | 301 | 101 | | 05/03/2010 | E | 0800 |
| 1234567 | 0999 | 301 | 0.22 | 301 | 101 | | 05/03/2010 | E | 1100 |
| 1234567 | 0999 | 301 | 0.25 | 301 | 101 | | 05/04/2010 | E | 0800 |
| Etc... | | | | | | | | | |
| 1234567 | 0999 | 301 | 0.20 | 301 | 101 | | 05/31/2010 | E | 0800 |

If the system finds the entry point chlorine concentration to be below the required level on the last day of the month and the concentration level is not restored to an acceptable level until the first day of the next month, include the record of the restored concentration with the previous month's reporting.