

Disinfectant Residuals (DR) Reporting Form

Applicability

The Disinfectant Residual Form (BSDW-25) (DR Form) must be completed by any water system that adds a chemical disinfectant or delivers water that has been previously treated with a chemical disinfectant (other than chlorine dioxide). The reporting frequency (monthly or quarterly) varies based on system type as outlined below.

All surface water, ground water under the direct influence of surface water (GWUDI) and consecutive systems that purchase surface water or purchase GWUDI (Subpart H systems) must submit a copy of this form on a monthly basis to the Bureau of Safe Drinking Water (Bureau). Complete the appropriate fields identifying the monthly monitoring period and facility ID located at the top of the form.

Section A

Section A shall be completed and submitted monthly by all surface water & GWUDI systems. Section A is not applicable to systems that purchase surface water or GWUDI and should be left blank unless you are a surface water or GWUDI system. If the excel version of form BSDW-25 (Rev 4/2014) is used, the Bureau has set the form to automatically determine compliance once the longest duration the disinfectant residual was less than 0.2 mg/l is entered in hours.

Section B

Section B shall be completed and submitted monthly by all Subpart H systems, including surface water purchasing systems. Systems that purchase surface water or GWUDI on a seasonal basis should complete Section B and submit for all 12 months during the year. During months where no purchased surface water or GWUDI is delivered, the surface water or GWUDI purchasing system is still required to complete Section B and maintain a residual in 95% of distribution samples.

If the excel version of form BSDW-25 (Rev 4/2014) is used, the Bureau has set the form to calculate the distribution residual (V) for you and automatically determine compliance once fields A through E have been entered. Otherwise, the distribution residual (V) must be calculated manually by the system.

Section C

Section C is required to be completed and submitted quarterly by all systems that add a chemical disinfectant or deliver water that has been previously treated with a chemical disinfectant. Section C must be completed and submitted by the 10th day following the end of every quarter (March, June, September, and December) in accordance with the guidelines below. During the other months, Subpart H systems may leave Section C blank when submitted.

- Complete the quarterly monitoring period check box incorporated in the table.
- Check the appropriate column to indicate whether chlorine or chloramines are used to maintain the disinfectant residual.
- Enter the total number of residual samples taken each month (should be the same as the total number of coliform samples, including repeat and temporary routine coliform samples) and enter the average residual of the monthly samples, for each of the three months.
- Calculate the quarterly average of the monthly results and enter the averages from the previous three quarters in the appropriate fields. Calculate the Running Annual Average (RAA) to determine compliance. If the excel version of form BSDW-25 (Rev 4/2014) is used, the Bureau has set the form to calculate the RAA for you and automatically determine compliance once the average of the current quarter and previous three quarters have been entered in the appropriate fields.

Note: if the system uses chlorine dioxide for disinfection, report the residuals using the Chlorite and Chlorine Dioxide Reporting Form, BSDW-26.