

15A NCAC 18C .1302 TESTS, FORMS AND REPORTING

(a) Required tests. If a public water system uses disinfectants or other chemicals for the treatment of water, residual disinfectant tests and other applicable water quality tests required by this Subchapter shall be made during every oversight visit to the facility required by Rule .1303 of this Section. Residual disinfectant concentrations shall be maintained in accordance with 15A NCAC 18C .2002 and .2201 and shall be tested as follows:

- (1) Residual disinfectant tests at the entry point. For systems providing treatment, residual disinfectant concentrations shall be measured in the water entering the distribution system by the operator during every visit required by Rule .1303(a) of this Section.
- (2) Residual disinfectant tests in the distribution system shall be performed as follows:
 - (A) Residual disinfectant concentrations shall be measured weekly at locations that represent maximum residence time of the water in the distribution system or at other locations with high water age. These locations shall be designated on the sample siting plan required under 15A NCAC 18C .1534. The number of required weekly tests is shown in Table A below. Samples collected on the same day must be collected from different locations.

Table A: Measurement Requirements for Residual Disinfectant Concentrations and Chloramine Operational Parameters

Distribution System Classification according to 15A NCAC 18D .0205(b)	Minimum Number of Samples Per Week
D	1
C	3
A and B	5

- (B) Distribution systems classified as C or D in Table A may request the Department to reduce the requirements for measuring residual disinfectant concentrations in the distribution system at the locations that represent maximum residence time or other locations with high water age as required in Part (a)(2)(A) of this Rule. The request shall be in writing and shall demonstrate to the Department that the residual disinfectant concentrations measured at the entry point in accordance with Subparagraph (a)(1) of this Rule are sufficient in providing the minimum residual disinfectant concentrations required under 15A NCAC 18C .2002 and .2201. The Department shall consider the presence of continuous monitoring, size and configuration of the distribution system, magnitude of disinfectant degradation and results of performance studies.
 - (3) Chloramine Operational Parameters. When ammonia and chlorine are applied disinfectants, the system shall measure analytical parameters pertinent to the operation as follows:
 - (A) Water entering the distribution system. Parameters to be measured shall, at a minimum, include total chlorine, monochloramine, free ammonia, and pH and shall be performed daily, while the treatment facility is in operation.
 - (B) Water in the distribution system. Parameters to be measured shall, at a minimum, include total chlorine, monochloramine, free ammonia, and pH and shall be measured no less often than denoted in Table A.
- (b) Forms, Reports and Records. A public water system shall report and retain records as follows:
- (1) Test results shall be documented and reported monthly on forms and in a format provided by the Department and shall be signed by the ORC. Copies of report forms may be obtained from the Public Water Supply Section. The monthly report shall be submitted by the 10th day of the following month to the Public Water Supply Section.
 - (2) The forms and reports shall be in an electronic format provided by the Department for water systems owned or operated by local governments and all community water systems serving 1,000 or more service connections or 3,000 or more individuals, regardless of ownership, effective April 1, 2010. Community water systems serving less than 1,000 service connections and less than 3,000 individuals and all non-transient, non-community water systems shall report test results in an electronic format provided by the Department effective October 1, 2010. The Department may waive the requirement for electronic submission in accordance with G.S. 130A-329. Requests for waivers shall be submitted in writing to the Department no less than two months prior to the deadline.

- (3) Records documenting compliance with Section .1300 shall be retained on the premises of the water system for a minimum of three years.

*History Note: Authority G.S. 90A-29; 130A-315; P.L. 93-523;
Eff. January 1, 1977;
Readopted Eff. December 5, 1977;
Amended Eff. October 1, 2009; July 1, 1994; September 1, 1990; February 1, 1987; June 30, 1980;
Pursuant to G.S. 150B-21.3A, rule is necessary without substantive public interest Eff. November 23, 2015.*