

RADIONUCLIDES

RULE: 15A NCAC 18C Section .1519 – “Monitoring Frequency for Radioactivity”
(Note: Federal Rule 40 CFR 141.26 incorporated into Section. .1519 of NC’s Regulations by reference; NC added/clarified monitoring requirements for adjacent systems and community travel trailer parks, campgrounds and marina slips.)

APPLIES TO: Community water systems

SAMPLING REQUIREMENTS:

- **Sampling Location:** Entry points to distribution system [40 CFR 141.26(a)(1)(i)(ii)]
- **Number of Samples Required:** One sample per entry point [40 CFR 141.26(a)(1)(i)]
- **Sampling Frequency**
 - Initial – 4 consecutive quarterly samples by December 31, 2007 or use grandfathered data to satisfy the initial monitoring requirements [40 CFR 141.26(a)(2)]. Compositing up to 4 quarterly samples from a single entry point is allowed. [40 CFR 141.26(a)(4)].
 - Increased Monitoring – Quarterly monitoring is required if the average of the initial monitoring results exceeds the MCL [40 CFR 141.26(a)(2)(iv)].
 - Reduced Monitoring – To once every 3, 6, or 9 years, based on sample result [40 CFR 141.26(a)(3)]
 - Waivers (if applicable) – N/A
- **Any Special Sampling Requirements:**
 - May require Confirmation Samples [40 CFR 141.26(c)(1)];
 - May require more frequent monitoring at State’s discretion [40 CFR 141.26(c)(1)]

COMPLIANCE WITH THE MCL: For systems monitoring quarterly - based on the running annual average (RAA) [40 CFR 141.26(c)(3)(i)]. For systems monitoring every 3, 6 or 9 years – based on result of single sample at each entry point. See Section .1520 – “Maximum Contaminant Levels for Radionuclides.”

INCOMING REPORT/PLAN SUBMITTALS FROM SYSTEMS TO THE STATE:

- **Analytical Results for All Compliance Samples** MUST be submitted to the State by NC certified laboratories in required format. (15 NCAC 18C Section .1525; [40 CFR 141.31])
- **Sample Siting/Location Plans:** N/A
- **Waiver Applications:** N/A
- **Monthly Operating Reports:** N/A
- **Quarterly Status Reports and Corrective Action Plan Following MCL Violations**
- **Other Misc. Submittals if triggered by conditions of the rule:** N/A

OUTGOING ENFORCEMENT/REPORTS/APPROVALS FROM STATE TO SYSTEMS:

- **Violation Letters:** Includes monitoring/reporting violations, and maximum contaminant level (MCL) violations
- **Administrative Orders**
- **Administrative Penalties**
- **Exceedance Letters:** N/A
- **Approvals:** Approvals/denials for Administrative Order deadline extension requests