

PESTICIDES / SYNTHETIC ORGANIC CHEMICALS (SOCS)

RULE: 15A NCAC 18C Section .1515 – “Organic Chemicals Other Than TTHM, Sampling and Analysis”
(Note: Federal Rule 40 CFR 141.24 was incorporated into Section .1515 of NC’s Regulations by reference.)

APPLIES TO: Community and non-transient non-community (NTNC) systems

SAMPLING REQUIREMENTS:

- **Sampling Location:** Entry points to distribution system [40 CFR 141.24(h)(1-3)]
- **Number of Samples Required:** One sample from each entry point [40 CFR 141.24(h)(1-3)]
- **Sampling Frequency:**
 - Initial/Routine – Four consecutive quarterly samples, every three years [40 CFR 141.24(h)(4)(1)]
 - Reduced Monitoring – After initial 4 consecutive quarterly samples with no detections, the monitoring frequency can be reduced as follows: [40 CFR 141.24(h)(4)]
 - For systems serving more than 3,300 persons - two quarterly samples from each entry point in one year during each repeat three-year compliance period. [40 CFR 141.24(h)(4)(i)]
 - For systems serving 3,300 persons or less - one sample from each entry point during each repeat three-year compliance period. [40 CFR 141.24(h)(4)(ii)]
 - Waivers (if applicable) – For groundwater systems serving less than 3,300 persons, can collect one sample and apply for a waiver. Systems that obtain the waiver can monitor annually or every 3 years depending on the waiver approval. [40 CFR 141.24(h)(5 and 6)]
 - Increased Monitoring – Quarterly if \geq detection limit. [40 CFR 141.24(h)(7)]
- **Any Additional/Special Sampling Requirements:**
 - Confirmation Samples – may be required [40 CFR 141.24(h)(9)]

COMPLIANCE WITH THE MCL: For systems monitoring quarterly - based on the running annual average (RAA); For systems monitoring annually or less frequently – if any Pesticide/SOC analyte is detected, quarterly monitoring is required; the system will not be considered in violation of the MCL until it has completed one year of quarterly sampling. [40 CFR 141.24(h)(11)]. See also Section .1518 – “Maximum Contaminant Levels for Organic Contaminants” [40 CFR 141.61]

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:** Systems must apply to State for waiver of monitoring requirements; reduction in monitoring may be granted based on results and other considerations [40 CFR 141.24(h)(5 and 6)];
- **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
- **Increased Monitoring Letters:** Sent if any Pesticides/SOC is detected; if detected, quarterly monitoring must commence.
- **Approvals:** State reviews systems’ waiver applications; issues waiver approvals (or denials). Also approvals/denials for reduced monitoring and Administrative Order deadline extension requests.