



Florida Department of Environmental Protection

Northwest District

DRINKING WATER CHEMICAL REPORT REVIEW

It is critical that owners and operators review the chemical results reports provided by the laboratories. The below information is intended to provide assistance for chemical report review, but is not a substitution for the requirements under 62-550, Florida Administrative Code (Fla. Admin. Code). Please contact our staff with any questions.

Chemical results must be reported in the format and timeframes designated in Rule 62-550.730, Fla. Admin. Code. A copy of the reporting format is available at { [HYPERLINK "http://dep.state.fl.us/water/drinkingwater/forms.htm"](http://dep.state.fl.us/water/drinkingwater/forms.htm) }.

A list of contaminants, including the Maximum Contaminant Levels (MCLs) and Regulatory Detection Limits (RDLs), are identified in the chemical reporting format and listed under 62-550 Florida Administrative Code, available through { [HYPERLINK "https://www.flrules.org/"](https://www.flrules.org/) }.

Inorganic Contaminants (Rule 62-550.513, Fla. Admin. Code)

- Sampling must be conducted from point to entry to the distribution (last tap before the water leaves the plant)
- Total of 16 contaminants, including Nitrate and Nitrite
- Inorganic contaminants > MCL – increase to quarterly monitoring
- Nitrate or Nitrite result = or > ½ MCL – increase to quarterly monitoring
- For Transient Non-Community (TNCs), only Nitrite = or > ½ the MCL – increase to quarterly monitoring

Secondary Contaminants (Rule 62-550.520, Fla. Admin. Code)

- Sampling must be conducted from point to entry to the distribution (last tap before the water leaves the plant)
- Total of 14 contaminants
- Secondary contaminant result > MCL – confirmation sample is required within 14 days

Volatile Organic Contaminants (Rule 62-550.515, Fla. Admin. Code)

- Sampling must be conducted from point to entry to the distribution (last tap before the water leaves the plant)
- Total of 21 contaminants
- VOC result > 0.5 micrograms per Liter (ug/L) – increase to quarterly monitoring

Synthetic Organic Contaminants (Rule 62-550.516, Fla. Admin. Code)

- Sampling must be conducted from point to entry to the distribution (last tap before the water leaves the plant)
- Total of 29 contaminants, excluding Dioxin
- SOC result > Regulatory Detection Level (RDL) – increase to quarterly monitoring

Radionuclides (Rule 62-550.519, Fla. Admin. Code)

- Sampling must be conducted from point to entry to the distribution (last tap before the water leaves the plant)
- Total of 3 contaminants (Gross Alpha Including uranium, Radium 226, Radium 228)
- Radionuclides result > MCL – increase to quarterly monitoring
- Radium 226 must be sampled if the GA result > 5 pci/L

Disinfection Byproducts (DBPs) (Rule 62-550.821, Fla. Admin. Code)

- Must be sampled from distribution point(s) in accordance with the approved plan
- DBPs include Haloacetic Acids or HAA5s (total of 5 contaminants) and Total Trihalomethanes or TTHMs group (total of 4 contaminants)
- Total HAA5 or TTHM Result from any sampling location > MCL – increase or continue quarterly monitoring

Lead and Copper Tap Sampling (Rule 62-550.800, Fla. Admin. Code)

- Must be sampled from the distribution system in accordance with the approved plan
- 90th Percentile result > 0.015 mg/L for lead or 1.3 mg/L for copper – increase to biannual monitoring
- Contact FDEP immediately if the 90th percentile result is exceeded

Quarterly monitoring is sampling every 3 months, during the calendar quarters of January through March, April through June, July through September, and October through December.

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