

Neuse Regional Water and Sewer Authority

2021 Detected Contaminants

Substances (Measuring Units)	Highest Level Allowed [MCL]	Highest Level Detected	Range Detected	Description and Origin of Substance
Sodium (ppm)	n/a	18.7	18.7	Naturally occurring mineral; also a byproduct of disinfection processes.
Fluoride (ppm)	4.0	0.88	0.65 - 0.88	Natural occurring mineral; also added to water to promote dental health.
Sulfate (ppm)	n/a	24.5	24.5	Natural occurring mineral; also a byproduct of conventional water treatment.
Total Organic Carbon Raw (ppm)	TT*	9.1	4.1 - 9.1	Organic matter naturally present in the environment.
Total Organic Carbon Treated (ppm)	TT*	2.6	1.8 - 2.6	Organic matter naturally present in the environment.
Turbidity (NTU)	1.0 and 95% of samples below 0.3 (Treatment Technique)	0.1 and 100% of samples below 0.3	n/a	Measure of cloudiness in water; may be caused by inorganic soil particles or fragments of organic matter that can interfere with treatment.
pH (units)	9.0	8.1	7.5 - 8.1	Measure of the acidity of water, with acidity decreasing with increasing pH value; pH scale ranges 0-14.

TT = Treatment Technique

Surface Plant Filtration Efficiency

Total Organic Carbon Treated	RR*	0.90	0.90 - 1.66	Ratio of organic matter removed from treated water as a measure of process efficiency; must meet a minimum 1.0 ratio as a running annual average.
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RR = Removal Ratio

Source Name	Suceptibility Rating	SWAP Report Date
Neuse River	Higher	September 2020