

Neuse Regional Water and Sewer Authority

2018 Detected Contaminants

Substances (Measuring Units)	Highest Level Allowed [MCL]	Highest Level Detected	Range Detected	Description and Origin of Substance
Sodium (ppm)	n/a	25.5	25.5	Naturally occurring mineral; also a byproduct of disinfection processes.
Fluoride (ppm)	4.0	0.78	0.66 - 0.78	Natural occurring mineral; also added to water to promote dental health.
Sulfate (ppm)	n/a	26.0	26.0	Natural occurring mineral; also a byproduct of conventional water treatment.
Total Organic Carbon Raw (ppm)	TT*	11.37	4.1 - 11.37	Organic matter naturally present in the environment.
Total Organic Carbon Treated (ppm)	TT*	3.644	1.984 - 3.644	Organic matter naturally present in the environment.
Turbidity (NTU)	1.0 and 95% of samples below 0.3 (Treatment Technique)	0.17 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	8.3	7.5 - 8.3	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*	1.03	1.03 - 1.52	Ratio of organic matter removed from treated water as a measure of process efficiency; must meet a minimum 1.0 ratio.
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RR = Removal Ratio

Source Name	Suceptibility Rating	SWAP Report Date
Neuse River	Higher	September 2017