

Neuse Regional Water and Sewer Authority

2014 Detected Contaminants

Substances (Measuring Units)	Highest Level Allowed [MCL]	Highest Level Detected	Range Detected	Description and Origin of Substance
Sodium (ppm)	n/a	20.7	20.7	Naturally occurring mineral; also a byproduct of disinfection processes.
Fluoride (ppm)	4	0.89	0.60 - 0.89	Natural occurring mineral; also added to water to promote dental health.
Sulfate (ppm)	n/a	26	26	Natural occurring mineral; also a byproduct of conventional water treatment.
Total Organic Carbon Raw (ppm)	TT*	10.6	5.1 - 10.6	Organic matter naturally present in the environment.
Total Organic Carbon Treated (ppm)	TT*	4.2	2.1 - 4.2	Organic matter naturally present in the environment.
Turbidity (NTU)	1.0 and 95% of samples below 0.3 (Treatment Technique)	0.38 and 99 % 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	7.4 - 8.3	Measure of the acidity of water, with acidity decreasing with increasing pH value; pH scale ranges 0-14.

TT = Treatment Technique

UCMR (Unregulated Contaminant Monitoring Rule) Data

Substances (ppb)	Highest Level Detected	Range Detected	Description and Origin of Substance
Chlorate	260	79-260	Agricultural defoliant or desiccant; disinfectant by product; and used in production of chlorine dioxide
Chromium 6 or Hexavalent Chromium	0.07	0.04 - 0.07	Natural occurring element; used in steel making and other alloys; chromium-3 or -6 forms are used for chrome plating, dyes and pigments, leather tanning, and wood preservation.
Chromium (total)	0.2	0.2	Natural occurring element; used in steel making and other alloys; chromium-3 or -6 forms are used for chrome plating, dyes and pigments, leather tanning, and wood preservation.
Strontium	52	44 - 52	Natural occurring element; commercial use of strontium has been in the faceplate glass of cathode ray tube televisions to block x-ray emissions.
Vanadium	0.5	0.5	Naturally occurring elemental metal; used as vanadium pentoxide, which is a chemical intermediate and catalyst.
1,4-Dioxane	0.23	0.23	Stabilizer used in storage and transport of aluminum containers; solvent in inks and adhesives, byproduct of producing ingredients found in cleansing and moisturizing products.