

Brunswick County Utilities Finished Water

Regulated Microorganisms

Cryptosporidium

Regulated Disinfectants and Disinfection By-Products

Chlorate

Chlorite

Haloacetic acids (HAA5)

Dichloroacetic acid

Dibromoacetic acid

Monobromoacetic acid

Monochloroacetic acid

Trichloroacetic acid

Total trihalomethanes (TTHMs)

Bromodichloromethane

Bromoform

Chloroform

Dibromochloromethane

Chlorine Dioxide

Total Chlorine

Monochloramine Disinfectant Residual

Regulated Inorganic Chemicals

Chromium (total)

Fluoride

Nitrate

Orthophosphate

Regulated Organic Chemicals

Turbidity

Total Organic Carbon (TOC)

Regulated Secondary Standards

Iron

Manganese

pH

Total Dissolved Solids (TDS)

Unregulated Water Quality Standards

Free Ammonia

Hardness

Sodium

Unregulated Contaminants

1,4 Dioxane

Chromium (hexavalent)

Molybdenum

Strontium

Vanadium

Perfluorinated chemicals

Legacy Per- and Polyfluoroalkyl Substances:

PFOA (C8), PFOS, PFBA, PFBS, PFHxA, PFHxS,

PFHpA, PFNA, PFDA, PFPeA, PFDoA and PFPeS

Emerging Perfluoroalkyl Ether Carboxylic Acids:

PFO4DA, PFO3A, PFO2HxA, PFMOAA, PFMOPrA

and PFMOBA, PFPrOPrA (GenX)

Nafion By-Products 1 and 2

Information Sources:

1. Brunswick County Consumer Confidence Reports 2013-2016
2. Environmental Working Group Tap Water Database
<https://www.ewg.org/tapwater/system.php?pws=NC0410045#.W e5HT4gpCiM>
3. Field sampling of finished water, 2017

H2GO Finished Water (Proposed RO)

Regulated Microorganisms

none

Regulated Disinfectants and Disinfection By-Products

Sodium Hypochlorite

Regulated Inorganic Chemicals

Fluoride*

Orthophosphate

Regulated Organic Chemicals

Turbidity

Regulated Secondary Standards

Chloride

pH

Total Dissolved Solids (TDS)

Unregulated Water Quality Standards

Alkalinity (as Calcium Carbonate - CaCO₃)

Hardness

Sodium

Bromide

Potassium

Magnesium

Unregulated Contaminants

none

* If added to the finished water supply

Information Sources:

1. Reverse Osmosis Pilot Test Report, April 2016
2. Final Engineering Design Plans & Specifications, 2017