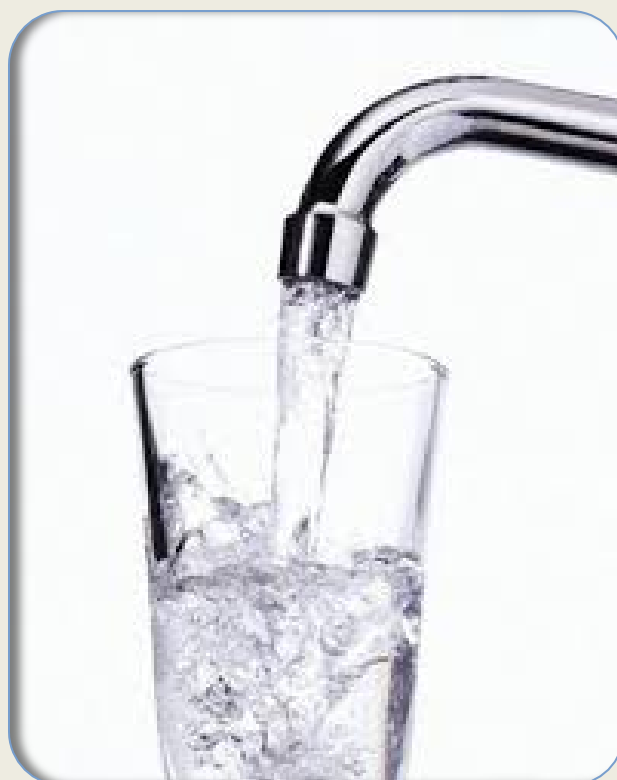


# CITY OF RALEIGH 2018 DRINKING WATER QUALITY REPORT

*Summarizing 2018 Water Quality  
Test Results*





## YOUR DRINKING WATER QUALITY

In the following pages, you will find an overview of the required and voluntary water testing analysis that protects our drinking water system.

In order to ensure that your tap water is safe to drink, the Environmental Protection Agency prescribes regulations which limit the number of certain contaminants in water provided by public water systems. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).



## 2018 Annual Finished Water Quality Report

### Tests of Finished Water From the EM Johnson and DE Benton Water Treatment Facilities

The City of Raleigh consistently provides a reliable supply of high quality drinking water that surpasses all State and Federal drinking water quality requirements. The following tables represents levels of regulated and unregulated water quality parameters sampled in 2018. The water quality test results indicate that your drinking water complies with all of the EPA's drinking water standards in 2018. If you have any questions regarding this report, please contact the City of Raleigh Drinking Water Laboratory at (919)996-2870.

#### Microbiologicals

| Contaminant                             | EMJ Water Plant | DEB Water Plant | MCL |
|---|-----------------|-----------------|-----|
| Cryptosporidium, Oocysts/L (11/13/2018) | 0               | 0               | NA  |
| Giardia, cyst/L (11/13/2018)            | 0               | 0               | NA  |
| Viruses* (11/13/2018)                   | Negative        | Negative        | NA  |

\*Viruses include Adenovirus, Astrovirus, Rotavirus and Panternterovirus

#### Disinfection Byproducts

| Contaminant                        | EMJ Water Plant | DEB Water Plant | MCL  |
|------------------------------------|-----------------|-----------------|------|
| Bromate, mg/l                      | ND              | ND              | 0.01 |
| Haloacetic Acids (HAA5), ppb       | 18.2            | 12.4            | 60   |
| Total Trihalomethanes (TTHMs), ppb | 17.6            | 16.6            | 80   |
| Total Organic Carbon, ppm          | 2.14            | 1.70            | NA   |

#### Asbestos

| Contaminant          | EMJ Water Plant | DEB Water Plant | MCL |
|----------------------|-----------------|-----------------|-----|
| Total Asbestos (MFL) | ND              | ND              | 7   |

#### Nitrate and Nitrite

| Contaminant  | EMJ Water Plant | DEB Water Plant | MCL |
|--------------|-----------------|-----------------|-----|
| Nitrate, ppm | 0.15            | 0.24            | 10  |
| Nitrite, ppm | <0.1            | <0.1            | 1   |

#### Turbidity (Combined Filter Effluent Turbidity Values)

| Contaminant              | EMJ Water Plant | DEB Water Plant | MCL        |
|--------------------------|-----------------|-----------------|------------|
| Turbidity, NTU (Average) | 0.04            | 0.03            | TT = 1 NTU |

#### Minerals

| Contaminant     | EMJ Water Plant | DEB Water Plant | MCL |
|-----------------|-----------------|-----------------|-----|
| Calcium, mg/l   | 5.97            | 5.69            | N/A |
| Sodium, mg/l    | 30.9            | 26.1            | N/A |
| Magnesium, mg/l | 2.34            | 1.92            | N/A |
| Potassium, mg/l | 3.04            | 3.90            | N/A |

## Inorganic Chemicals

| Contaminant                            | EMJ Water Plant | DEB Water Plant | MCL   |
|--|-----------------|-----------------|-------|
| Antimony, mg/l                         | ND              | ND              | 0.006 |
| Arsenic, mg/l                          | ND              | ND              | 0.01  |
| Barium, mg/l                           | ND              | ND              | 2     |
| Beryllium, mg/l                        | ND              | ND              | 0.004 |
| Cadmium, mg/l                          | ND              | ND              | 0.005 |
| Chromium (Total), mg/l                 | ND              | ND              | 0.1   |
| Chromium 6 (Hexavalent Chromium), mg/l | 0.00005         | 0.00002         | NA    |
| Cyanide, mg/l                          | ND              | ND              | 0.2   |
| Fluoride, mg/l                         | 0.67            | 0.73            | 4     |
| Mercury, mg/l                          | ND              | ND              | 0.002 |
| Selenium, mg/l                         | ND              | ND              | 0.05  |
| Thallium, mg/l                         | ND              | ND              | 0.002 |

## Water Quality Characteristics

| Contaminant                                | EMJ Water Plant | DEB Water Plant | MCL                  |
|--|-----------------|-----------------|----------------------|
| Alkalinity, mg/l as CaCO <sub>3</sub>      | 26.1            | 27.3            | NA                   |
| Aluminum, mg/l                             | ND              | ND              | 0.2                  |
| Carbon Dioxide, mg/l                       | 0.21            | 0.22            | NA                   |
| Chloride, mg/l                             | 13.2            | 13.6            | 250                  |
| Color, CU                                  | 1.1             | 0.75            | 15                   |
| Conductivity, uS/cm                        | 213             | 188             | NA                   |
| Hardness, Total, grains per gallon         | 1.39            | 1.28            | Classified as "Soft" |
| Hardness, Total, mg/l as CaCO <sub>3</sub> | 23.9            | 21.9            | Classified as "Soft" |
| Iron, mg/l                                 | ND              | ND              | 0.3                  |
| Manganese, mg/l                            | ND              | ND              | 0.05                 |
| Nickel, mg/l                               | ND              | ND              | NA                   |
| pH, SU                                     | 8.44            | 8.41            | 6.5 to 8.5           |
| Silica, mg/l                               | 6.74            | 8.52            | NA                   |
| Sulfate, mg/l                              | 48.7            | 36.3            | 250                  |
| Temperature, °C                            | 19.2            | 19.5            | NA                   |
| Total Dissolved Solids, mg/l               | 142             | 125             | 500                  |
| UV 254, mg/l                               | 0.034           | 0.032           | NA                   |
| Zinc, mg/l                                 | ND              | ND              | 5                    |

## Volatile Organic Chemicals (VOCs)

| Contaminant                      | EMJ Water Plant | DEB Water Plant | MCL   |
|----------------------------------|-----------------|-----------------|-------|
| Benzene, mg/l                    | ND              | ND              | 0.005 |
| Carbon Tetrachloride, mg/l       | ND              | ND              | 0.005 |
| Chlorobenzene, mg/l              | ND              | ND              | 0.1   |
| o-Dichlorobenzene, mg/l          | ND              | ND              | 0.6   |
| p-Dichlorobenzene, mg/l          | ND              | ND              | 0.075 |
| 1,2-Dichloroethane, mg/l         | ND              | ND              | 0.005 |
| 1,1-Dichloroethylene, mg/l       | ND              | ND              | 0.007 |
| cis-1,2-Dichloroethylene, mg/l   | ND              | ND              | 0.07  |
| trans-1,2-Dichloroethylene, mg/l | ND              | ND              | 0.1   |
| Dichloromethane, µg/L            | ND              | ND              | 0.005 |
| 1,2-Dichloropropane, µg/L        | ND              | ND              | 0.005 |
| Ethylbenzene, µg/L               | ND              | ND              | 0.7   |
| Styrene, µg/L                    | ND              | ND              | 0.1   |
| Tetrachloroethylene, µg/L        | ND              | ND              | 0.005 |
| Toluene, µg/L                    | ND              | ND              | 1     |
| 1,2,4-Trichlorobenzene, µg/L     | ND              | ND              | 0.07  |

### ***Volatile Organic Chemicals (VOCs) ~cont***

| <b>Contaminant</b>          | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MCL</b> |
|-----------------------------|------------------------|------------------------|------------|
| 1,1,1-Trichloroethane, µg/L | ND                     | ND                     | 0.2        |
| 1,1,2-Trichloroethane, µg/L | ND                     | ND                     | 0.005      |
| Trichloroethylene, µg/L     | ND                     | ND                     | 0.005      |
| Vinyl chloride, µg/L        | ND                     | ND                     | 0.002      |
| Xylenes (Total), µg/L       | ND                     | ND                     | 10         |

### ***Synthetic Organic Chemicals (SOCs)***

| <b>Contaminant</b>                       | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MRL</b> |
|--|------------------------|------------------------|------------|
| 1,2-Dibromo-3-chloropropane (DBCP), µg/L | ND                     | ND                     | 0.02       |
| 1,2-Dibromoethane (EDB), µg/L            | ND                     | ND                     | 0.01       |
| 1-Naphthol, µg/L                         | ND                     | ND                     | 1          |
| 2,4,5-TP (Silvex), µg/L                  | ND                     | ND                     | 0.2        |
| 2,4-D, µg/L                              | ND                     | ND                     | 0.1        |
| 3-Hydroxycarbofuran, µg/L                | ND                     | ND                     | 4          |
| Acrolor 1016, µg/L                       | ND                     | ND                     | 0.08       |
| Acrolor 1221, µg/L                       | ND                     | ND                     | 0.19       |
| Acrolor 1232, µg/L                       | ND                     | ND                     | 0.23       |
| Acrolor 1242, µg/L                       | ND                     | ND                     | 0.26       |
| Acrolor 1248, µg/L                       | ND                     | ND                     | 0.1        |
| Acrolor 1254, µg/L                       | ND                     | ND                     | 0.1        |
| Acrolor 1260, µg/L                       | ND                     | ND                     | 0.2        |
| Alachlor, µg/L                           | ND                     | ND                     | <0.2       |
| Aldicarb sulfone, µg/L                   | ND                     | ND                     | 0.8        |
| Aldicarb sulfoxide, µg/L                 | ND                     | ND                     | 0.5        |
| Aldicarb, µg/L                           | ND                     | ND                     | 0.5        |
| Aldrin, µg/L                             | ND                     | ND                     | <0.2       |
| Atrazine, µg/L                           | ND                     | ND                     | <0.1       |
| Benzo(a)pyrene, µg/L                     | ND                     | ND                     | 0.02       |
| Butachlor, µg/L                          | ND                     | ND                     | 8          |
| Carbaryl, µg/L                           | ND                     | ND                     | 4          |
| Carbofuran, µg/L                         | ND                     | ND                     | 0.9        |
| Chlordane, µg/L                          | ND                     | ND                     | 0.2        |
| Dalapon, µg/L                            | ND                     | ND                     | 1          |
| Di(2-ethylhexyl)adipate, µg/L            | ND                     | ND                     | 0.6        |
| Di(2-ethylhexyl)phthalate, µg/L          | ND                     | ND                     | 1.32       |
| Dibromochloropropane, µg/L               | ND                     | ND                     | 0.0002     |
| Dicamba, µg/L                            | ND                     | ND                     | 1          |
| Dieldrin, µg/L                           | ND                     | ND                     | 0.2        |
| Dinoseb, µg/L                            | ND                     | ND                     | 0.2        |
| Endrin, µg/L                             | ND                     | ND                     | 0.01       |
| Ethylene dibromide, µg/L                 | ND                     | ND                     | 0.00005    |
| Heptachlor epoxide, µg/L                 | ND                     | ND                     | 0.02       |
| Heptachlor, µg/L                         | ND                     | ND                     | 0.04       |
| Hexachlorobenzene, µg/L                  | ND                     | ND                     | 0.1        |
| Hexachlorocyclopentadiene, µg/L          | ND                     | ND                     | 0.1        |
| Lindane, µg/L                            | ND                     | ND                     | 0.02       |
| Methomyl, µg/L                           | ND                     | ND                     | 4          |
| Methoxychlor, µg/L                       | ND                     | ND                     | 0.1        |
| Metolachlor, µg/L                        | ND                     | ND                     | 0.8        |
| Metribuzin, µg/L                         | ND                     | ND                     | 0.8        |
| Oxamyl (Vydate), µg/L                    | ND                     | ND                     | 2          |
| Oxamyl, µg/L                             | ND                     | ND                     | 2          |

**Synthetic Organic Chemicals (SOCs) ~cont**

| <b>Contaminant</b>                     | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MRL</b> |
|--|------------------------|------------------------|------------|
| PCBs (Polychlorinated Biphenyls), µg/L | ND                     | ND                     | 0.0005     |
| Pentachlorophenol, µg/L                | ND                     | ND                     | 0.04       |
| Picloram, µg/L                         | ND                     | ND                     | 0.1        |
| Propachlor, µg/L                       | ND                     | ND                     | 6          |
| Simazine, µg/L                         | ND                     | ND                     | 0.07       |
| Toxaphene, µg/L                        | ND                     | ND                     | 1          |

**Radionuclides**

| <b>Contaminant</b>          | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MCL</b> |
|-----------------------------|------------------------|------------------------|------------|
| Alpha emitters, pCi/L       | <3                     | <3                     | 15         |
| Beta photon emitters, pCi/L | <4                     | <4                     | 50         |
| Combined radium (pCi/L)     | <1                     | <1                     | 5          |
| Uranium, pCi/L              | <0.67                  | <0.67                  | 20.1       |
| Radon, pCi/L                | <100                   | <100                   | 300        |

**Perchlorate and Chlorate**

| <b>Contaminant</b> | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MRL</b> |
|--------------------|------------------------|------------------------|------------|
| Perchlorate, ug/l  | ND                     | 0.10                   | 0.05       |
| Chlorate, ug/l     | 73                     | 250                    | 50         |

**Nitrosamines**

| <b>Contaminant</b>                     | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MRL</b> |
|--|------------------------|------------------------|------------|
| N-Nitrosodi-N-butylamine (NDBA), ng/L  | ND                     | ND                     | 2.0        |
| N-Nitrosodi-N-propylamine (NDPA), ng/L | ND                     | ND                     | 2          |
| N-Nitrosodiethylamine (NDEA), ng/L     | ND                     | ND                     | 2          |
| N-Nitrosodimethylamine (NDMA), ng/l    | ND                     | ND                     | 2          |
| N-Nitrosodiphenylamine (NDPhA), ng/L   | ND                     | ND                     | 2          |
| N-Nitrosomethylethylamine (NMEA),ng/L  | ND                     | ND                     | 2          |
| N-Nitrosomorpholine (NMOR), ng/L       | ND                     | ND                     | 2          |
| N-Nitrosopiperidine (NPIP), ng/L       | ND                     | ND                     | 2          |
| N-Nitrosopyrrolidine (NPYR), ng/L      | ND                     | ND                     | 2          |

**Aldehydes**

| <b>Contaminant</b>   | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MCL</b> |
|----------------------|------------------------|------------------------|------------|
| Acetaldehyde, ug/l   | 7.2                    | 7.0                    | NA         |
| Benzaldehyde, ug/l   | ND                     | ND                     | NA         |
| Butanal, ug/l        | ND                     | ND                     | NA         |
| Crotonaldehyde, ug/l | ND                     | ND                     | NA         |
| Cyclohexanone, ug/l  | ND                     | ND                     | NA         |
| Decanal, ug/l        | ND                     | ND                     | NA         |
| Formaldehyde, ug/l   | 17                     | ND                     | NA         |
| Glyoxal, ug/l        | ND                     | ND                     | NA         |
| Heptanal, ug/l       | ND                     | ND                     | NA         |
| Hexanal, ug/l        | ND                     | ND                     | NA         |
| Methyl glyoxal, ug/l | ND                     | ND                     | NA         |
| Nonanal, ug/l        | ND                     | ND                     | NA         |
| Octanal, ug/l        | ND                     | ND                     | NA         |
| Pentanal, ug/l       | ND                     | ND                     | NA         |
| Propanal, ug/l       | ND                     | ND                     | NA         |

## Perfluorinated Compounds

| Contaminant  | EMJ Water Plant | DEB Water Plant | MRL |
|--|-----------------|-----------------|-----|
| 10:2 Fluorotelomer sulfonic acid (10:2 FTS), ng/L    | ND              | ND              | 2.0 |
| 4:2 Fluorotelomer sulfonic acid (4:2 FTS), ng/L      | ND              | ND              | 2.0 |
| 6:2 Fluorotelomer sulfonic acid (6:2 FTS), ng/L      | ND              | ND              | 2.0 |
| 8:2 Fluorotelomer sulfonic acid (8:2 FTS), ng/L      | ND              | ND              | 2.0 |
| ADONA, ng/L  | ND              | ND              | 2.0 |
| F-53B Major, ng/L                                    | ND              | ND              | 2.0 |
| F-53B Minor, ng/L                                    | ND              | ND              | 2.0 |
| GenX, ng/L   | ND              | ND              | 5.0 |
| N-ethyl Perfluorooctanesulfonamideoacetic acid, ng/L | ND              | ND              | 2.0 |
| N-ethylperfluorooctane sulfonamide (NETFOSA), ng/L   | ND              | ND              | 2.0 |
| N-ethylperfluorooctane sulfonamideoethanol, ng/L     | ND              | ND              | 2.0 |
| N-methoxyperfluorooctane sulfonamidoethanol, ng/L    | ND              | ND              | 2.0 |
| N-methyl Perfluorooctanesulfonamidoacetic acid, ng/L | ND              | ND              | 2.0 |
| N-methylperfluorooctane sulfonamide (NMeFOSA), ng/L  | ND              | ND              | 2.0 |
| Perfluorononanoic acid (PFNA), ng/L                  | ND              | ND              | 2.0 |
| Perfluoro-3-methoxypropanoic acid (PFMOPra), ng/L    | ND              | ND              | 5.0 |
| Perfluoro-2-methoxyethoxyacetic acid, ng/L           | ND              | ND              | 5.0 |
| Perfluoro-4-isopropoxybutanoic acid, ng/L            | ND              | ND              | 5.0 |
| Perfluoro-4-methoxybutanoic acid (PFMOBA), ng/L      | ND              | ND              | 5.0 |
| Perfluorobutanesulfonic acid (PFBS), ng/L            | 2.7             | ND              | 2.0 |
| Perfluorobutanoic acid (PFBA), ng/L                  | 5.9             | ND              | 5.0 |
| Perfluorodecanesulfonic acid (PFDS), ng/L            | ND              | ND              | 2.0 |
| Perfluorodecanoic acid (PFDA), ng/L                  | ND              | ND              | 2.0 |
| Perfluorododecanesulfonic acid (PFDoS), ng/L         | ND              | ND              | 2.0 |
| Perfluorododecanoic acid (PFDoA), ng/L               | ND              | ND              | 2.0 |
| Perfluoroheptanesulfonic acid (PFHpS), ng/L          | ND              | ND              | 2.0 |
| Perfluoroheptanoic acid (PFHpA), ng/L                | ND              | ND              | 2.0 |
| Perfluorohexadecanoic acid (PFHxDA), ng/L            | ND              | ND              | 2.0 |
| Perfluorohexanesulfonic acid (PFHxS), ng/L           | ND              | ND              | 2.0 |
| Perfluorohexanoic acid (PFHxA), ng/L                 | 3.3             | 2.1             | 2.0 |
| Perfluorononanesulfonic acid (PFNS), ng/L            | ND              | ND              | 2.0 |
| Perfluorooctane sulfonamide (PFOSA), ng/L            | ND              | ND              | 2.0 |
| Perfluorooctanesulfonic acid (PFOS), ng/L            | 4.2             | ND              | 2.0 |
| Perfluorooctanoic acid (PFOA), ng/L                  | 3.7             | 2.1             | 2.0 |
| Perfluoropentanesulfonic acid (PFPeS), ng/L          | ND              | ND              | 2.0 |
| Perfluoropentanoic acid (PFPeA), ng/L                | 3.7             | 2.4             | 2.0 |
| Perfluorotetradecanoic acid (PFTeDA), ng/L           | ND              | ND              | 2.0 |
| Perfluorotridecanoic acid (PFTrDA), ng/L             | ND              | ND              | 2.0 |
| Perfluoroundecanoic acid (PFUnA), ng/L               | ND              | ND              | 2.0 |

## UCMR4

| Contaminant                            | EMJ Water Plant | DEB Water Plant | MRL  |
|--|-----------------|-----------------|------|
| Germanium, ug/l                        | ND              | ND              | 0.3  |
| Manganese, ug/l                        | 1.14            | ND              | 0.4  |
| alpha-hexachlorocyclohexane, ug/l      | ND              | ND              | 0.01 |
| Chlorpyrifos, ug/l                     | ND              | ND              | 0.03 |
| Dimethipin, ug/l                       | ND              | ND              | 0.2  |
| Ethoprop, ug/l                         | ND              | ND              | 0.03 |
| Oxyfluorfen, ug/l                      | ND              | ND              | 0.05 |
| Profenofos, ug/l                       | ND              | ND              | 0.3  |
| Tebuconazole, ug/l                     | ND              | ND              | 0.2  |
| Total Permethrin (cis- & trans-), ug/l | ND              | ND              | 0.04 |

**UCMR4 ~cont**

| <b>Contaminant</b>                    | <b>EMJ Water Plant</b> | <b>DEB Water Plant</b> | <b>MRL</b> |
|---------------------------------------|------------------------|------------------------|------------|
| Tribufos, ug/l                        | ND                     | ND                     | 0.07       |
| 1-Butanol, ug/l                       | ND                     | ND                     | 2          |
| 2-Methoxyethanol, ug/l                | ND                     | ND                     | 0.4        |
| 2-Propen-1-ol, ug/l                   | ND                     | ND                     | 0.5        |
| Butylated Hydroxyanisole, ug/l        | ND                     | ND                     | 0.03       |
| o-toluidine, ug/l                     | ND                     | ND                     | 0.007      |
| Quinoline, ug/l                       | <b>0.016</b>           | <b>0.012</b>           | 0.02       |
| Anatoxin-a, ug/l                      | ND                     | ND                     | 0.03       |
| Cylindrospermopsin, ug/l              | ND                     | ND                     | 0.09       |
| Total Microcystins & Nodularins, ug/l | ND                     | ND                     | 0.3        |

**EMJ Water Plant Treatment Process Information**

| <b>Chemical</b>              | <b>Typical Dosage Range</b> | <b>Purpose of Treatment</b>  |
|------------------------------|-----------------------------|--|
| Ozone, ppm                   | 1 - 1.5                     | Oxidant  |
| Sodium Permanganate, ppm     | 0.4 - 2.0                   | Pre Oxidant  |
| Ferric Sulfate, ppm          | 50 - 90                     | Coagulant  |
| Polymer, ppm                 | 0.05 - 0.10                 | Coagulant Aid  |
| Sodium Hydroxide, ppm        | 15 - 35                     | pH Control   |
| Carbon, ppm                  | 1 - 5                       | Taste and Odor and organics removal                                    |
| Silicate, ppm                | 1                           | Corrosion control  |
| Hydrofluorosilicic Acid, ppm | 0.6 - 0.7                   | Fluoride Additive  |
| Chlorine, ppm                | 6 - 7                       | Disinfectant   |
| Ammonia, ppm                 | 3.8:1<br>Cl2:NH3 Ratio      | Disinfectant when use in conjunction with chlorine to form chloramines |
| Filter Aid Polymer, ppm      | 0.08 - 0.12                 | Enhanced Filtration  |

**DEB Water Plant Treatment Process Information**

| <b>Chemical</b>              | <b>Typical Dosage Range</b> | <b>Purpose of Treatment</b>  |
|------------------------------|-----------------------------|--|
| Ozone, ppm                   | 1.8 - 3.6                   | Oxidant  |
| Potassium Permanganate, ppm  | 1 - 2.5                     | Pre Oxidant  |
| Ferric Sulfate, ppm          | 60 - 100                    | Coagulant  |
| Polymer, ppm                 | 0.30 - 0.60                 | Coagulant Aid  |
| Sodium Hydroxide, ppm        | 25 - 45                     | pH Control   |
| Carbon, ppm                  | 3 - 6                       | Taste and Odor and organics removal                                    |
| Silicate, ppm                | 1                           | Corrosion control  |
| Hydrofluorosilicic Acid, ppm | 0.6 - 0.7                   | Fluoride Additive  |
| Chlorine, ppm                | 4.5 - 5.5                   | Disinfectant   |
| Ammonia, ppm                 | 3.5:1<br>Cl2:NH3 Ratio      | Disinfectant when use in conjunction with chlorine to form chloramines |
| Filter Aid Polymer, ppm      | 0.08 - 0.12                 | Enhanced Filtration  |



## Drinking Water Definitions:

**Maximum Contaminant Level (MCL)** - *The highest level of a contaminant that is allowed in drinking water.*

**Million Fibers per Liter (MFL)** - *Million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers*

**Minimum Reporting Level (MRL)** - *smallest measured concentration of a substance that can be reliably measured by using a given analytical method*

**Nephelometric Turbidity Unit (NTU)** - *Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.*

**Non-Detects (ND)** - *Laboratory analysis indicates that the contaminant is not present at the level of detection set for the particular methodology used.*

**Not-Applicable (N/A)** - *Information not applicable/not required*

**Parts per billion (ppb) or Micrograms per liter ( $\mu\text{g/L}$ )** - *One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.*

**Parts per million (ppm) or Milligrams per liter ( $\text{mg/L}$ )** - *One part per million corresponds to one minute in two years or a single penny in \$10,000*

**Parts per trillion (ppt) or Nanograms per liter (nanograms/L)** - *One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000*

**Picocuries per liter (pCi/L)** - *Picocuries per liter is a measure of the radioactivity in water.*

**Treatment Technique (TT)** - *A required process intended to reduce the level of a contaminant in drinking water*