

EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

NOTE: The data below represents drinking water samples that were collected on April 18, 2014 by EPA sampling teams. Water sample measurement are in milligrams per liter (mg/L) and/or micrograms per liter (µg/L) for drinking water samples. The data is being compared to EPA and State Maximum Contaminant Levels (MCLs) and other health based levels. To date, there have been no samples that have exceeded drinking water levels. This sample represents the same water that is being delivered to your tap. Specific qualifiers and footnotes are listed below the summary table.

| Analyte | Human Health Screening Standard for Drinking Water Samples ¹ | | Danville WTP | | S Boston WTP Lab | |
|-------------------------------|---|------|-----------------------------|------|------------------------------|------|
| Sample Information | | | | | | |
| Sample ID | - | | EDEN-DWTP-FINISH-3-20140418 | | EDEN-SBWTP-FINISH-3-20140418 | |
| Date | - | | 04/18/2014 | | 04/18/2014 | |
| Time | - | | 1120 | | 2100 | |
| Status | - | | Validation Complete | | Validation Complete | |
| Type | - | | Drinking Water | | Drinking Water | |
| Dissolved metals | | | | | | |
| Aluminum | 47,000 | µg/L | 12 | µg/L | 29 | µg/L |
| Antimony | 6 | µg/L | 1U | µg/L | 1U | µg/L |
| Arsenic | 5 | µg/L | 0.44J | µg/L | 1U | µg/L |
| Barium | 2,000 | µg/L | 23J+ | µg/L | 27J+ | µg/L |
| Beryllium | 4 | µg/L | 0.4U | µg/L | 0.4U | µg/L |
| Boron | 9.3 | mg/L | 0.048J+ | mg/L | 0.1U | mg/L |
| Cadmium | 5 | µg/L | 0.1U | µg/L | 0.1U | µg/L |
| Calcium | Essential nutrient | | 5,300 | µg/L | 5,100 | µg/L |
| Chromium | 3 | µg/L | 1.2J | µg/L | 2J | µg/L |
| Cobalt | 14 | µg/L | 0.4U | µg/L | 0.4U | µg/L |
| Copper | 1,300 | µg/L | 6.5 | µg/L | 2.1 | µg/L |
| Iron | 33,000 | µg/L | 50U | µg/L | 50U | µg/L |
| Lead | 15 | µg/L | 0.3U | µg/L | 0.3U | µg/L |
| Magnesium | Essential nutrient | | 2,200 | µg/L | 2,100 | µg/L |
| Manganese | 970 | µg/L | 2.5U | µg/L | 2J | µg/L |
| Mercury | 0.002 | mg/L | 0.0002U | mg/L | 0.0002U | mg/L |
| Molybdenum | 78 | µg/L | 1U | µg/L | 1U | µg/L |
| Nickel | 910 | µg/L | 1U | µg/L | 0.67J | µg/L |
| Potassium | Essential nutrient | | 2,000 | µg/L | 1,900 | µg/L |
| Selenium | 50 | µg/L | 2U | µg/L | 2U | µg/L |
| Silver | 210 | µg/L | 1U | µg/L | 1U | µg/L |
| Sodium | Essential nutrient | | 5,500 | µg/L | 27,000 | µg/L |
| Thallium | 0.5 | µg/L | 0.2U | µg/L | 0.2U | µg/L |
| Vanadium | 190 | µg/L | 5.2J | µg/L | 1U | µg/L |
| Zinc | 14,000 | µg/L | 20U | µg/L | 13J | µg/L |
| Total Dissolved Solids | | | | | | |
| Total Dissolved Solids | - | - | 62 | mg/L | 110 | mg/L |
| Total Suspended Solids | | | | | | |
| Total Suspended Solids | - | - | 5U | mg/L | 5U | mg/L |

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| Date | - | | 04/18/2014 | | 04/18/2014 | |
| Time | - | | 1120 | | 2100 | |
| Status | - | | Validation Complete | | Validation Complete | |
| Type | - | | Drinking Water | | Drinking Water | |
| Total Metals | | | | | | |
| Aluminum | 47,000 | µg/L | 12J+ | µg/L | 29 | µg/L |
| Antimony | 6 | µg/L | 1U | µg/L | 1U | µg/L |
| Arsenic | 5 | µg/L | 1U | µg/L | 1U | µg/L |
| Barium | 2,000 | µg/L | 22J+ | µg/L | 28 | µg/L |
| Beryllium | 4 | µg/L | 0.4U | µg/L | 0.4U | µg/L |
| Boron | 9.3 | mg/L | 0.048J | mg/L | 0.1U | mg/L |
| Cadmium | 5 | µg/L | 0.1U | µg/L | 0.1U | µg/L |
| Calcium | Essential nutrient | | 5,300 | µg/L | 5,300 | µg/L |
| Chromium | 3 | µg/L | 2U | µg/L | 1.7J | µg/L |
| Cobalt | 14 | µg/L | 0.4U | µg/L | 0.4U | µg/L |
| Copper | 1,300 | µg/L | 6.5 | µg/L | 2.3 | µg/L |
| Iron | 33,000 | µg/L | 50U | µg/L | 50U | µg/L |
| Lead | 15 | µg/L | 0.3U | µg/L | 0.3U | µg/L |
| Magnesium | Essential nutrient | | 2,200 | µg/L | 2,100 | µg/L |
| Manganese | 970 | µg/L | 2.5U | µg/L | 2J | µg/L |
| Mercury | 0.002 | mg/L | 0.0002U | mg/L | 0.0002U | mg/L |
| Molybdenum | 78 | µg/L | 1U | µg/L | 1U | µg/L |
| Nickel | 910 | µg/L | 1U | µg/L | 0.53J | µg/L |
| Potassium | Essential nutrient | | 1,900 | µg/L | 1,900 | µg/L |
| Selenium | 50 | µg/L | 2U | µg/L | 0.77J | µg/L |
| Silver | 210 | µg/L | 1U | µg/L | 1U | µg/L |
| Sodium | Essential nutrient | | 5,400 | µg/L | 27,000 | µg/L |
| Thallium | 0.5 | µg/L | 0.2U | µg/L | 0.2U | µg/L |
| Vanadium | 190 | µg/L | 4.5J | µg/L | 4.5 | µg/L |
| Zinc | 14,000 | µg/L | 20U | µg/L | 13J | µg/L |
| Anions | | | | | | |
| Bromide | - | - | 10J | µg/L | - | - |
| Chloride | 250 | mg/L | 6.4 | mg/L | 9.9 | mg/L |
| Sulfate | 250 | mg/L | 18 | mg/L | 45 | mg/L |
| Wet Chemistry | | | | | | |
| Alkalinity, Total (As CaCO ₃) | - | - | 7.9 | mg/L | 14 | mg/L |
| Hardness, Calcium/Magnesium (As CaCO ₃) | - | - | 22 | mg/L | 22 | mg/L |
| Organic Carbon, Dissolved | - | - | 1.4 | mg/L | 1.5 | mg/L |
| pH | 6.5 - 9.0 | std | 6.92J | std | 7.33J | std |

Notes

¹ Value obtained from EPA Maximum Contaminant Level (MCL), Removal Management Levels, Secondary MCL, and Lifetime Health Advisory values

EPA U.S. Environmental Protection Agency

J Value is estimated

J+ Value is estimated with a possible high bias

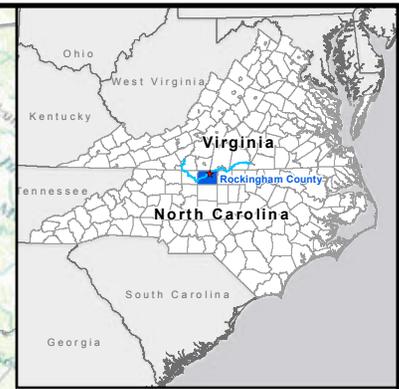
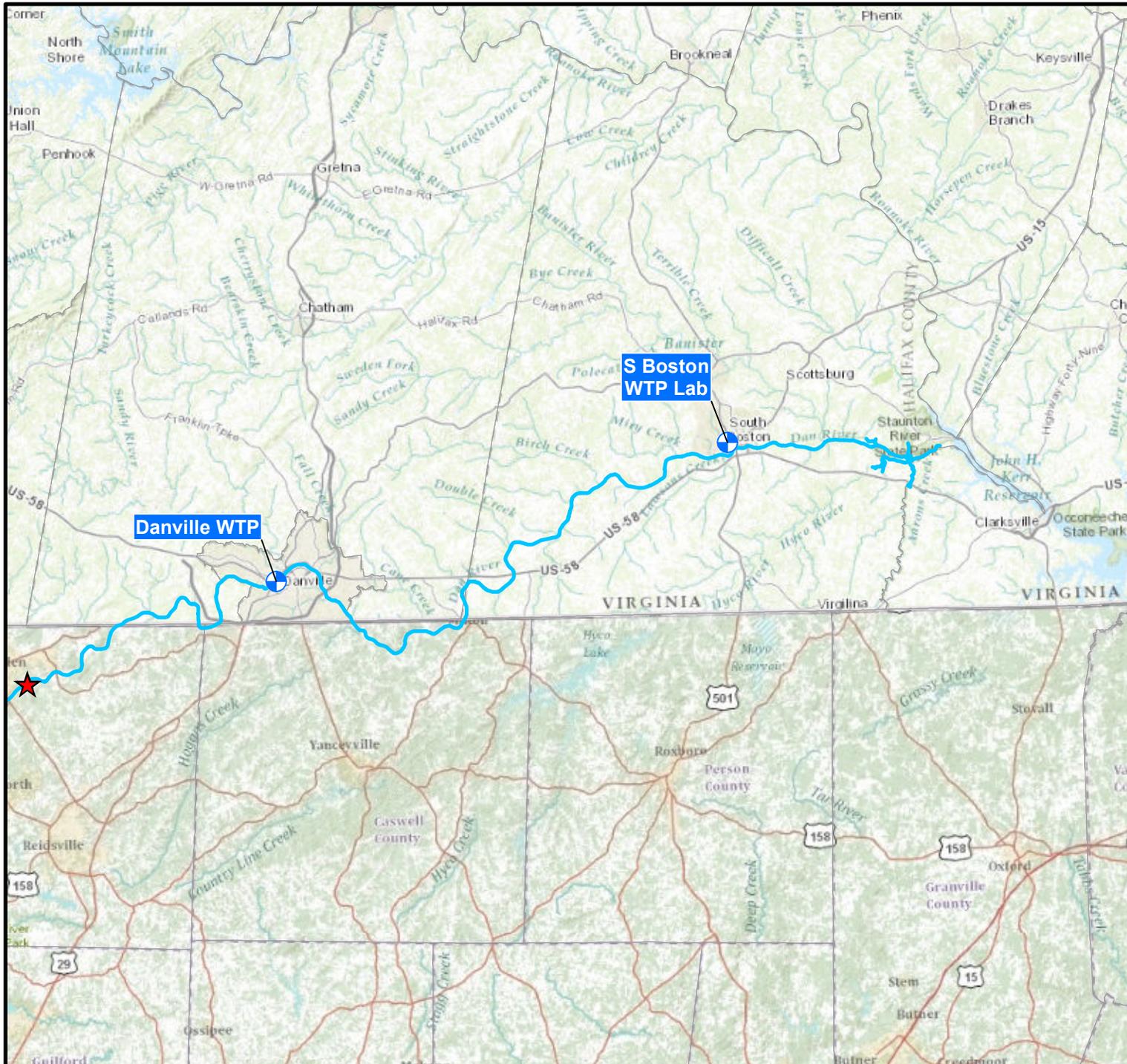
J- Value is estimated with a possible low bias

µg/L micrograms per liter

mg/L milligrams per liter

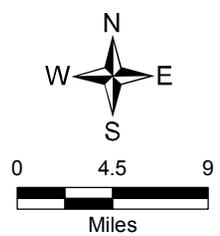
U Analyte was not detected at the listed reporting limit.

UJ Analyte was not detected at the listed reporting limit, which is an estimated quantitation.



Legend

-  Approximate Spill Location
-  Drinking Water Sample Location
-  Dan River



Map Source: ArcGIS Online World Map Topo, 2014

Drinking Water Sample Locations
April 18, 2014

