

## EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

**NOTE:** The data below represents drinking water samples that were collected on March 9, 2014 by EPA sampling teams. Water sample measurement are in milligrams per liter (mg/L) and/or micrograms per liter (ug/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 <sup>1</sup>		S Boston WTP	
<b>Sample Information</b>				
Sample ID	-		EDEN-SBWTP-FINISH-2-20140309	
Date	-		03/09/2014	
Time	-		2128	
Status	-		Validation Complete	
Type	-		Drinking Water	
<b>Dissolved metals</b>				
Aluminum	47,000	µg/L	13.7	µg/L
Antimony	6	µg/L	5U	µg/L
Arsenic	5	µg/L	4.5U	µg/L
Barium	2,000	µg/L	29.4	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.059U	mg/L
Cadmium	5	µg/L	0.1U	µg/L
Calcium	Essential nutrient		5,780	µg/L
Chromium	3	µg/L	0.374J	µg/L
Cobalt	14	µg/L	0.158J	µg/L
Copper	1,300	µg/L	1.86J	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		2,380J	µg/L
Manganese	970	µg/L	13J	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5U	µg/L
Nickel	910	µg/L	0.41J	µg/L
Potassium	Essential nutrient		2,070J	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		31,800J	µg/L
Thallium	0.5	µg/L	0.2U	µg/L
Vanadium	190	µg/L	0.251J	µg/L
Zinc	14,000	µg/L	22.6	µg/L
<b>Total Dissolved Solids</b>				
Total Dissolved Solids	-	-	9J	mg/L
<b>Total Suspended Solids</b>				
Total Suspended Solids	-	-	3J	mg/L

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<b>Sample Information</b>				
Sample ID	-		EDEN-SBWTP-FINISH-2-20140309	
<b>Total Metals</b>				
Aluminum	47,000	µg/L	24.4U	µg/L
Antimony	6	µg/L	5U	µg/L
Arsenic	5	µg/L	0.13J	µg/L
Barium	2,000	µg/L	27.9	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.0707U	mg/L
Cadmium	5	µg/L	0.1U	µg/L
Calcium	Essential nutrient		5,650	µg/L
Chromium	3	µg/L	2.5U	µg/L
Cobalt	14	µg/L	0.183J	µg/L
Copper	1,300	µg/L	2.31U	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		2,210J	µg/L
Manganese	970	µg/L	6.73J	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5U	µg/L
Nickel	910	µg/L	0.415J	µg/L
Potassium	Essential nutrient		1,830J	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		27,900J	µg/L
Thallium	0.5	µg/L	0.2U	µg/L
Vanadium	190	µg/L	0.679J	µg/L
Zinc	14,000	µg/L	28.2	µg/L
<b>Anions</b>				
Bromide	-	-	10U	mg/L
Chloride	250	mg/L	18.8	mg/L
Sulfate	250	mg/L	43.3	mg/L
<b>Wet Chemistry</b>				
Alkalinity, Total (As CaCO <sub>3</sub> )	-	-	49	mg/L
Hardness, Calcium/Magnesium (As CaCO <sub>3</sub> )	-	-	23.2	mg/L
Organic Carbon, Dissolved	-	-	2	mg/L
pH	6.5 - 9.0	std	6.63J	std

Notes

<sup>1</sup> 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

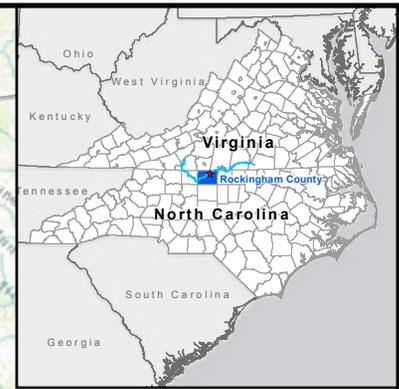
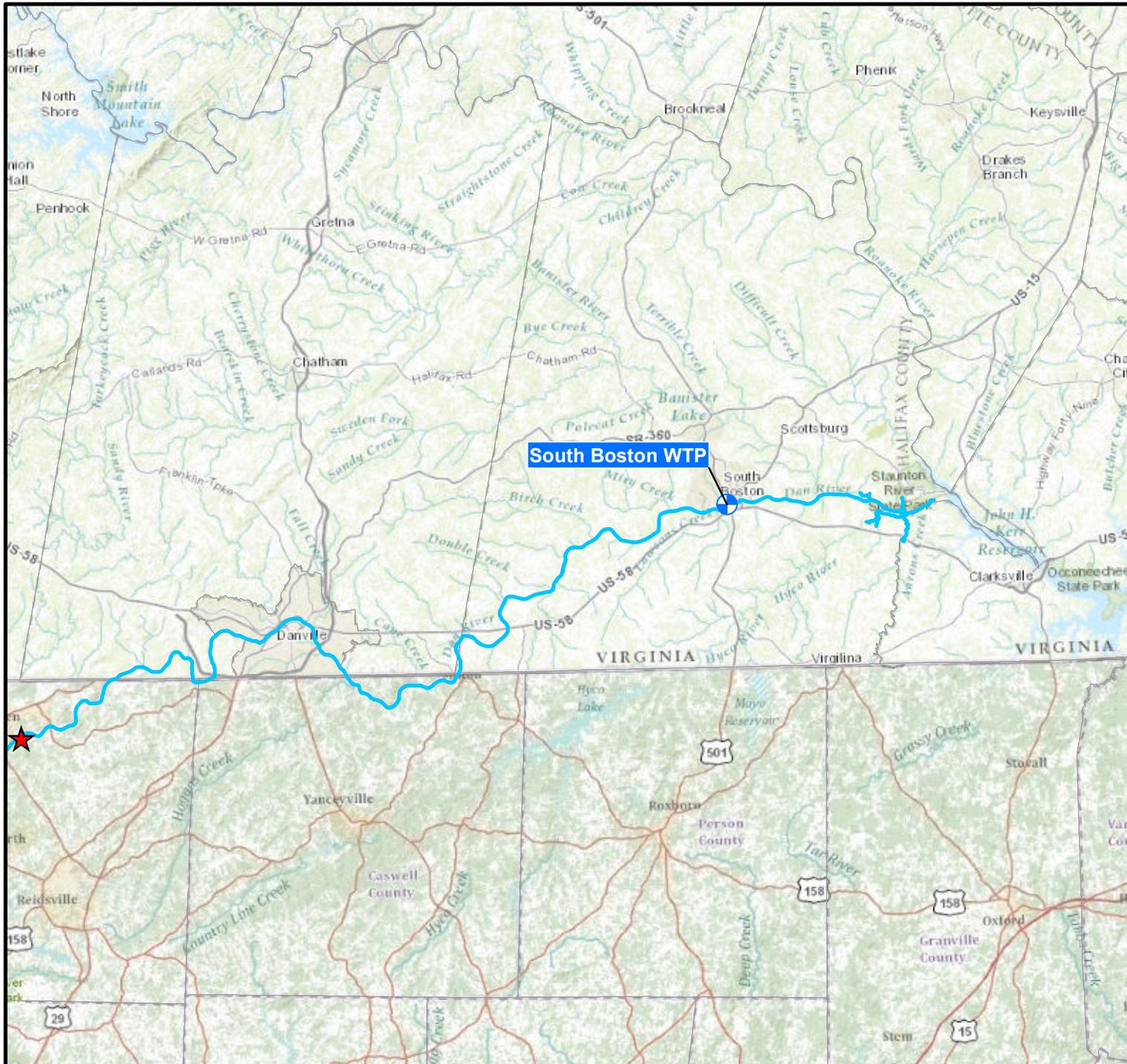
J- Value is estimated with a possible low bias

µg/L micrograms per liter

mg/L milligrams per liter

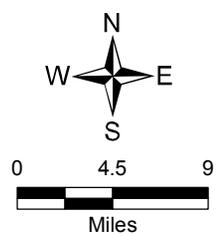
U Analyte was not detected at the listed reporting limit.

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**  
**March 9, 2014**

