

EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

NOTE: The data below represents drinking water samples that were collected on March 8, 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 ¹		S Boston WTP	
Sample Information				
Sample ID	-		EDEN-SBWTP-FINISH-1-20140308	
Date	-		3/8/2014	
Time	-		1700	
Status	-		Validation Complete	
Type	-		Drinking Water	
Dissolved metals				
Aluminum	47,000	µg/L	10.9	µg/L
Antimony	6	µg/L	5U	µg/L
Arsenic	5	µg/L	4.5U	µg/L
Barium	2,000	µg/L	24.7	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.086U	mg/L
Cadmium	5	µg/L	0.1U	µg/L
Calcium	Essential nutrient		6,960	µg/L
Chromium	3	µg/L	0.405J	µg/L
Cobalt	14	µg/L	0.0964J	µg/L
Copper	1,300	µg/L	2.06	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		2,820J	µg/L
Manganese	970	µg/L	1.71J	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5U	µg/L
Nickel	910	µg/L	0.309J	µg/L
Potassium	Essential nutrient		2090J	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		38700J	µg/L
Thallium	0.5	µg/L	0.2U	µg/L
Vanadium	190	µg/L	0.275J	µg/L
Zinc	14,000	µg/L	17.3	µg/L
Total Dissolved Solids				
Total Dissolved Solids	-	-	36	mg/L
Total Suspended Solids				
Total Suspended Solids	-	-	3J	mg/L

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Sample Information				
Sample ID	-		EDEN-SBWTP-FINISH-1-20140308	
Total Metals				
Aluminum	47,000	µg/L	23.1U	µg/L
Antimony	6	µg/L	5U	µg/L
Arsenic	5	µg/L	0.114J	µg/L
Barium	2,000	µg/L	24	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.115U	mg/L
Cadmium	5	µg/L	0.1U	µg/L
Calcium	Essential nutrient		6,540	µg/L
Chromium	3	µg/L	2.5U	µg/L
Cobalt	14	µg/L	0.101J	µg/L
Copper	1,300	µg/L	2.17U	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		2600J	µg/L
Manganese	970	µg/L	5U	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5U	µg/L
Nickel	910	µg/L	0.351J	µg/L
Potassium	Essential nutrient		1,810J	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		33,600J	µg/L
Thallium	0.5	µg/L	0.2J	µg/L
Vanadium	190	µg/L	0.721J	µg/L
Zinc	14,000	µg/L	19.7	µg/L
Anions				
Bromide	-	-	10U	mg/L
Chloride	250	mg/L	32.2	mg/L
Sulfate	250	mg/L	45	mg/L
Wet Chemistry				
Alkalinity, Total (As CaCO ₃)	-	-	70.6	mg/L
Hardness, Calcium/Magnesium (As CaCO ₃)	-	-	27	mg/L
Organic Carbon, Dissolved	-	-	0.6J	mg/L
pH	6.5 - 9.0	std	6.93J	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

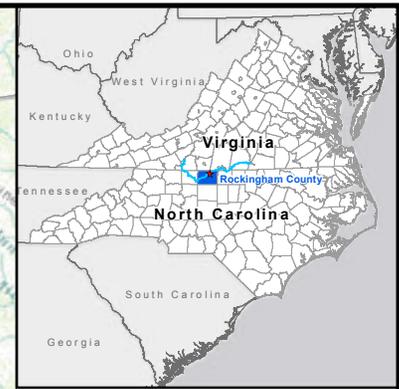
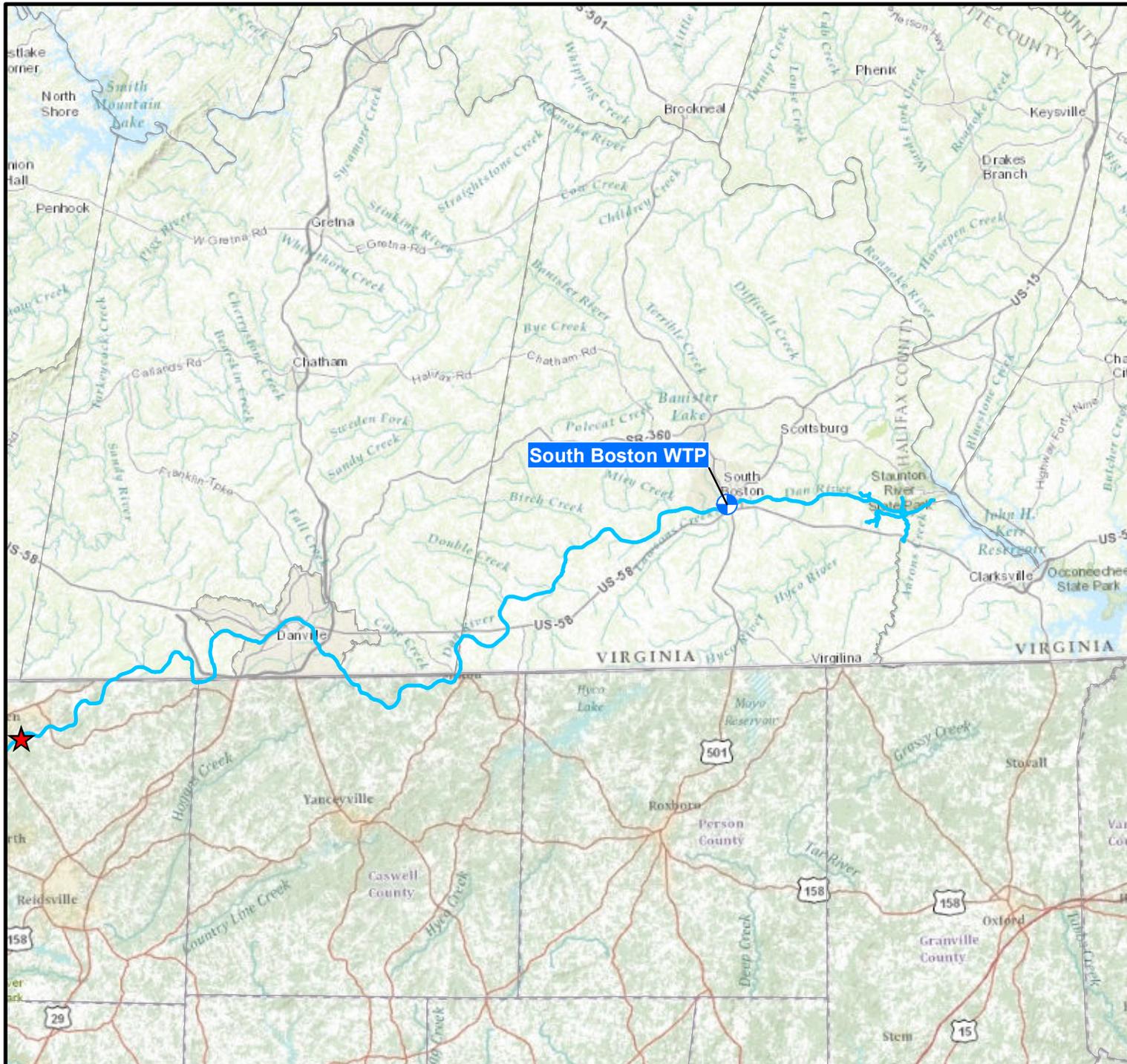
J- Value is estimated with a possible low bias

µg/L micrograms per liter

mg/L milligrams per liter

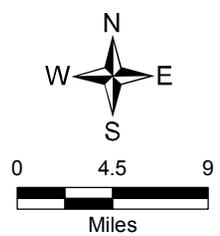
U Analyte was not detected at the listed reporting limit.

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
March 8, 2014

