

## EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

**NOTE:** The data below represents drinking water samples that were collected on Feb 18, 2014 by EPA START (Team 1). 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.

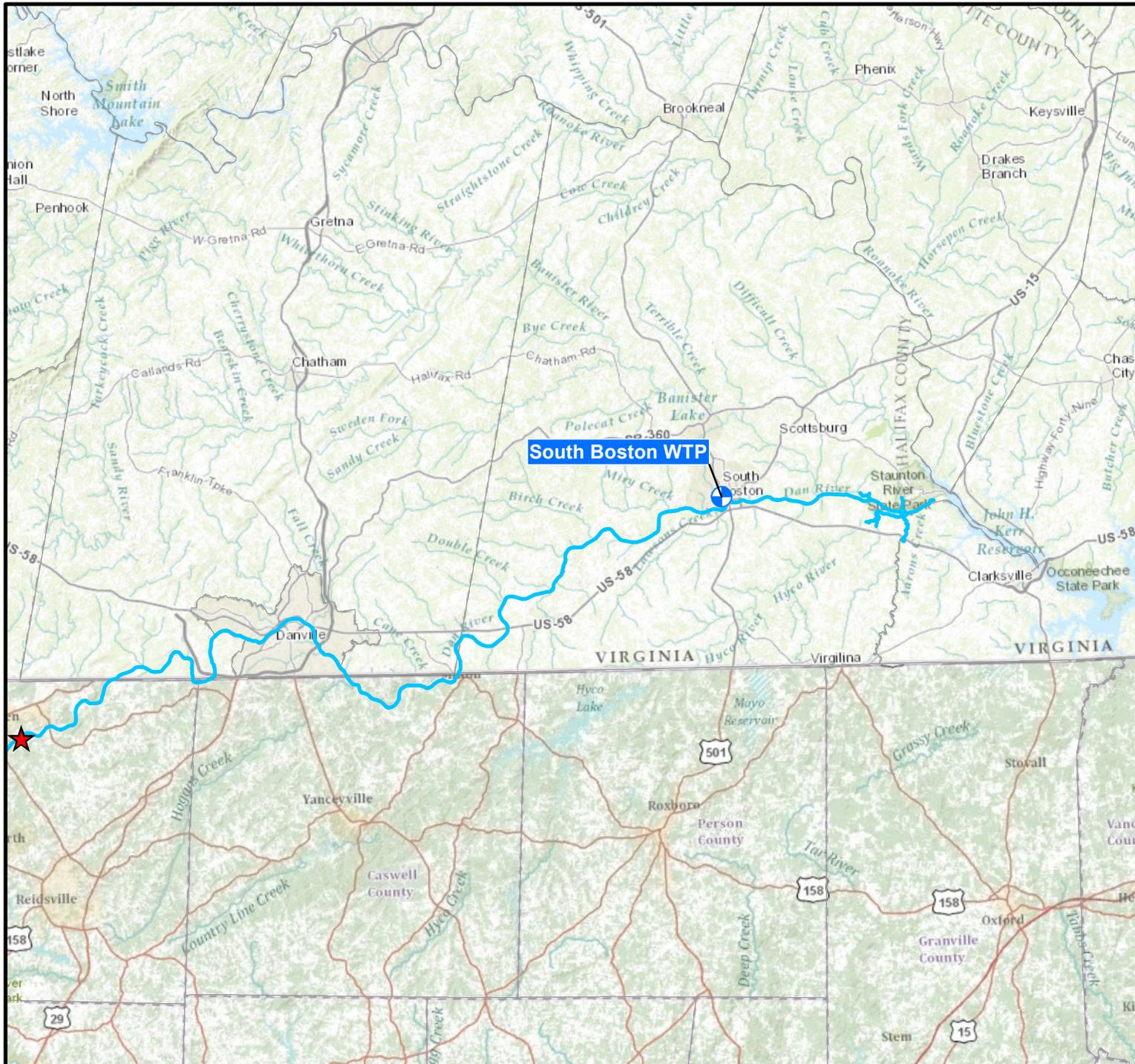
Analyte	Human Health Screening Standard for Drinking Water Samples <sup>1</sup>		S Boston WTP	
<b>Sample Information</b>				
Sample ID	-		EDEN-SBWTP-FINISH-20140218	
Date	-		2/18/2014	
Time	-		1000	
Status	-		Validation Complete	
Type	-		Drinking Water	
<b>Dissolved metals SW6010C/6020A/7470A</b>				
Aluminum	47,000	µg/L	9.45J	µg/L
Antimony	6	µg/L	5U	µg/L
Arsenic	5	µg/L	4.5U	µg/L
Barium	2,000	µg/L	23.4	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.0653J+	mg/L
Cadmium	5	µg/L	0.7U	µg/L
Calcium	Essential nutrient		6,090	µg/L
Chromium	3	µg/L	2.5U	µg/L
Cobalt	14	µg/L	5U	µg/L
Copper	1,300	µg/L	0.842J	µg/L
Iron	33,000	µg/L	120U	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		2,300	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	5U	µg/L
Potassium	Essential nutrient		1,600	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silica	-	-	5.31	mg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		28,300	µg/L
Thallium	0.5	µg/L	0.2U	µg/L
Vanadium	190	µg/L	5U	µg/L
Zinc	14,000	µg/L	10U	µg/L
<b>Total Dissolved Solids EPA 160.1</b>				
Total Dissolved Solids	-	-	83	mg/L
<b>Total Suspended Solids EPA 160.2</b>				
Total Suspended Solids	-	-	3.5J	mg/L

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Sample ID	-		EDEN-SBWTP-FINISH-20140218	
<b>Total Metals SW6010C/6020A/7470A</b>				
Aluminum	47,000	µg/L	12	µg/L
Antimony	6	µg/L	5U	µg/L
Arsenic	5	µg/L	4.5U	µg/L
Barium	2,000	µg/L	23.6	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	-	-	0.078J+	mg/L
Cadmium	5	µg/L	0.7U	µg/L
Calcium	Essential nutrient		5,950	µg/L
Chromium	3	µg/L	2.5U	µg/L
Cobalt	14	µg/L	5U	µg/L
Copper	1,300	µg/L	0.768J	µg/L
Iron	33,000	µg/L	6.12J	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		2,230	µg/L
Manganese	970	µg/L	2.23J	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5U	µg/L
Nickel	910	µg/L	5U	µg/L
Potassium	Essential nutrient		1,550	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silica	-	-	5.38	mg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		27,500	µg/L
Thallium	0.5	µg/L	0.2U	µg/L
Vanadium	190	µg/L	5U	µg/L
Zinc	14,000	µg/L	8.37J	µg/L
<b>Anions EPA 300</b>				
Bromide	-	-	1U	mg/L
Chloride	250	mg/L	15	mg/L
Sulfate	250	mg/L	51	mg/L
<b>EPA 310.2/SM2340B/SW9040 C/SW9060A</b>				
<b>Wet Chemistry</b>				
Alkalinity, Total (As CaCO <sub>3</sub> )	-	-	116	mg/L
Hardness, Calcium/Magnesium (As CaCO <sub>3</sub> )	-	-	24	mg/L
Organic Carbon, Dissolved	-	-	0.642J	mg/L
pH	6.5 - 9.0	std	7.16J	std

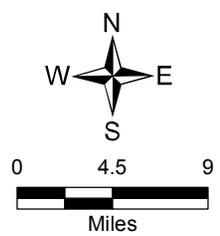
Notes

- <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
- µg/L micrograms per liter
- mg/L milligrams per liter
- U Analyte was not detected at the listed reporting limit.



**Legend**

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



Map Source: ArcGIS Online World Map Topo, 2014

**Drinking Water Sample Locations  
February 18, 2014**

