

## EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

**NOTE:** The data below represents drinking water samples that were collected on April 10, 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 <sup>1</sup>		Danville WTP	
<b>Sample Information</b>				
Sample ID	-		EDEN-DWTP-FINISH-3-20140410	
Date	-		04/10/2014	
Time	-		1320	
Status	-		Validation Complete	
Type	-		Drinking Water	
<b>Dissolved metals</b>				
Aluminum	47,000	µg/L	20U	µg/L
Antimony	6	µg/L	5U	µg/L
Arsenic	5	µg/L	0.208J	µg/L
Barium	2,000	µg/L	22.2	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.0737J+	mg/L
Cadmium	5	µg/L	0.1U	µg/L
Calcium	Essential nutrient		5,320	µg/L
Chromium	3	µg/L	0.349J	µg/L
Cobalt	14	µg/L	5U	µg/L
Copper	1,300	µg/L	6.74J+	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		2,250J	µg/L
Manganese	970	µg/L	1.25J	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5U	µg/L
Nickel	910	µg/L	0.264J	µg/L
Potassium	Essential nutrient		2,020J	µg/L
Selenium	50	µg/L	0.379J	µg/L
Silver	210	µg/L	0.017J	µg/L
Sodium	Essential nutrient		5,230	µg/L
Thallium	0.5	µg/L	0.041J	µg/L
Vanadium	190	µg/L	0.204J	µg/L
Zinc	14,000	µg/L	10U	µg/L
<b>Total Dissolved Solids</b>				
Total Dissolved Solids	-	-	79	mg/L
<b>Total Suspended Solids</b>				
Total Suspended Solids	-	-	5U	mg/L

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Date	-		04/10/2014	
Time	-		1320	
Status	-		Validation Complete	
Type	-		Drinking Water	
<b>Total Metals</b>				
Aluminum	47,000	µg/L	22.7	µg/L
Antimony	6	µg/L	0.899J	µg/L
Arsenic	5	µg/L	4.5U	µg/L
Barium	2,000	µg/L	23.8	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.0737J+	mg/L
Cadmium	5	µg/L	0.1U	µg/L
Calcium	Essential nutrient		5,220	µg/L
Chromium	3	µg/L	2.5U	µg/L
Cobalt	14	µg/L	5U	µg/L
Copper	1,300	µg/L	6.89	µg/L
Iron	33,000	µg/L	18.9J	µg/L
Lead	15	µg/L	0.176J	µg/L
Magnesium	Essential nutrient		2,150J	µg/L
Manganese	970	µg/L	5U	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	0.374J	µg/L
Nickel	910	µg/L	0.3J	µg/L
Potassium	Essential nutrient		1,780J	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		4,990J	µg/L
Thallium	0.5	µg/L	0.104J	µg/L
Vanadium	190	µg/L	5U	µg/L
Zinc	14,000	µg/L	10U	µg/L
<b>Anions</b>				
Bromide	-	-	1U	mg/L
Chloride	250	mg/L	6.95	mg/L
Sulfate	250	mg/L	17.9	mg/L
<b>Wet Chemistry</b>				
Alkalinity, Total (As CaCO <sub>3</sub> )	-	-	7.1J	mg/L
Hardness, Calcium/Magnesium (As CaCO <sub>3</sub> )	-	-	21.9	mg/L
Organic Carbon, Dissolved	-	-	1.82	mg/L
pH	6.5 - 9.0	std	6.47J	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

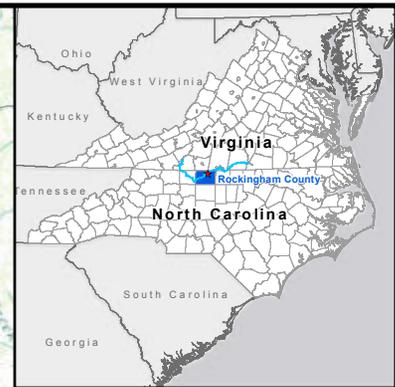
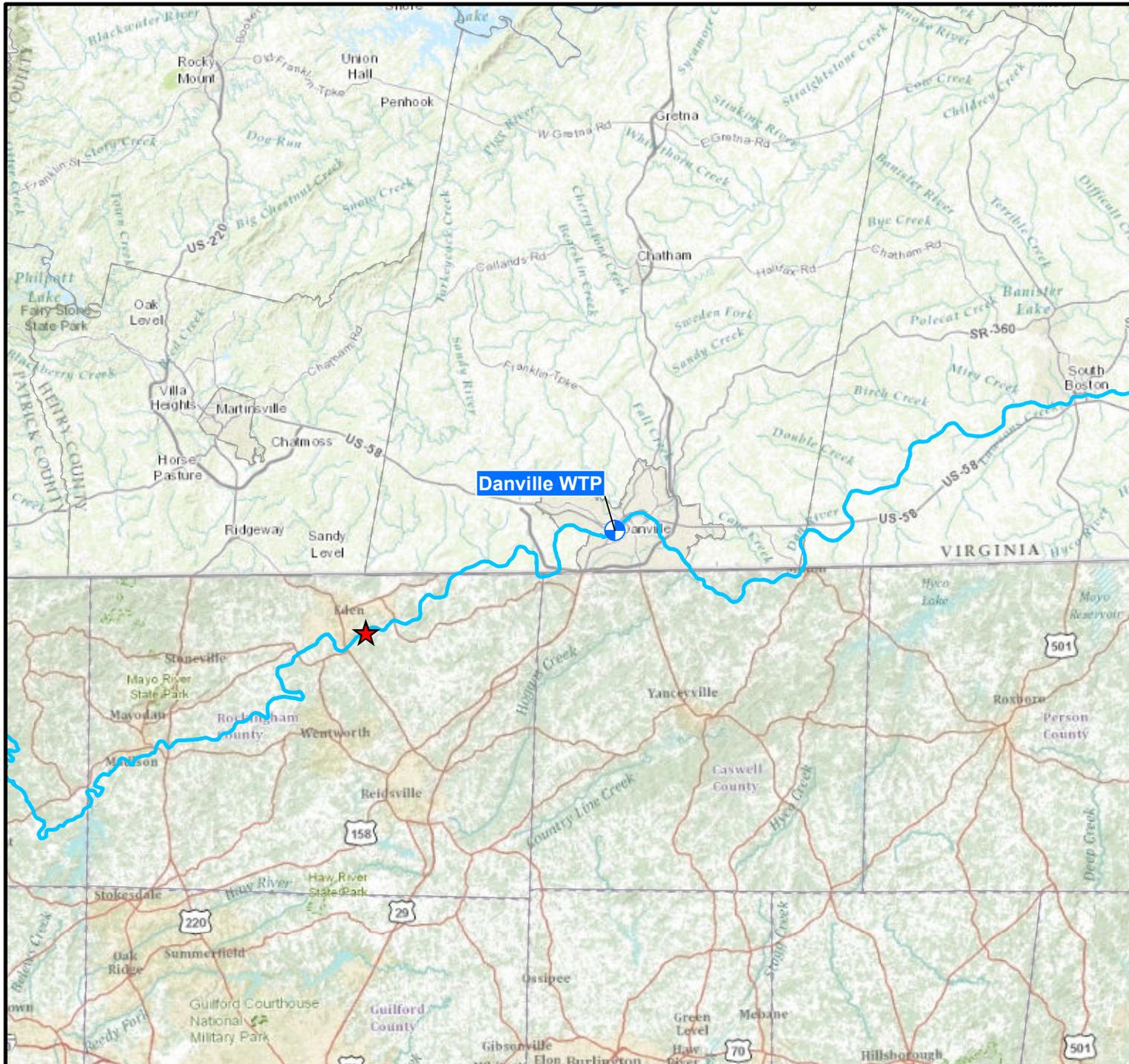
J- Value is estimated with a possible low bias

µg/L micrograms per liter

mg/L milligrams per liter

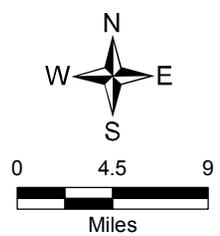
U Analyte was not detected at the listed reporting limit.

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  
April 10, 2014**

