

## EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

**NOTE:** The data below represents drinking water samples that were collected on Feb 12, 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.

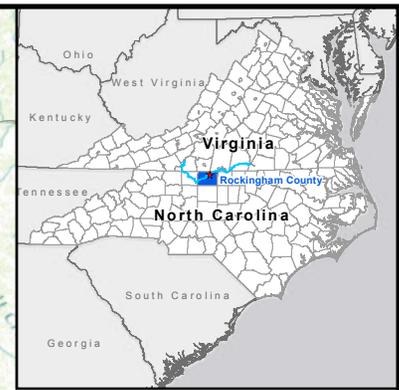
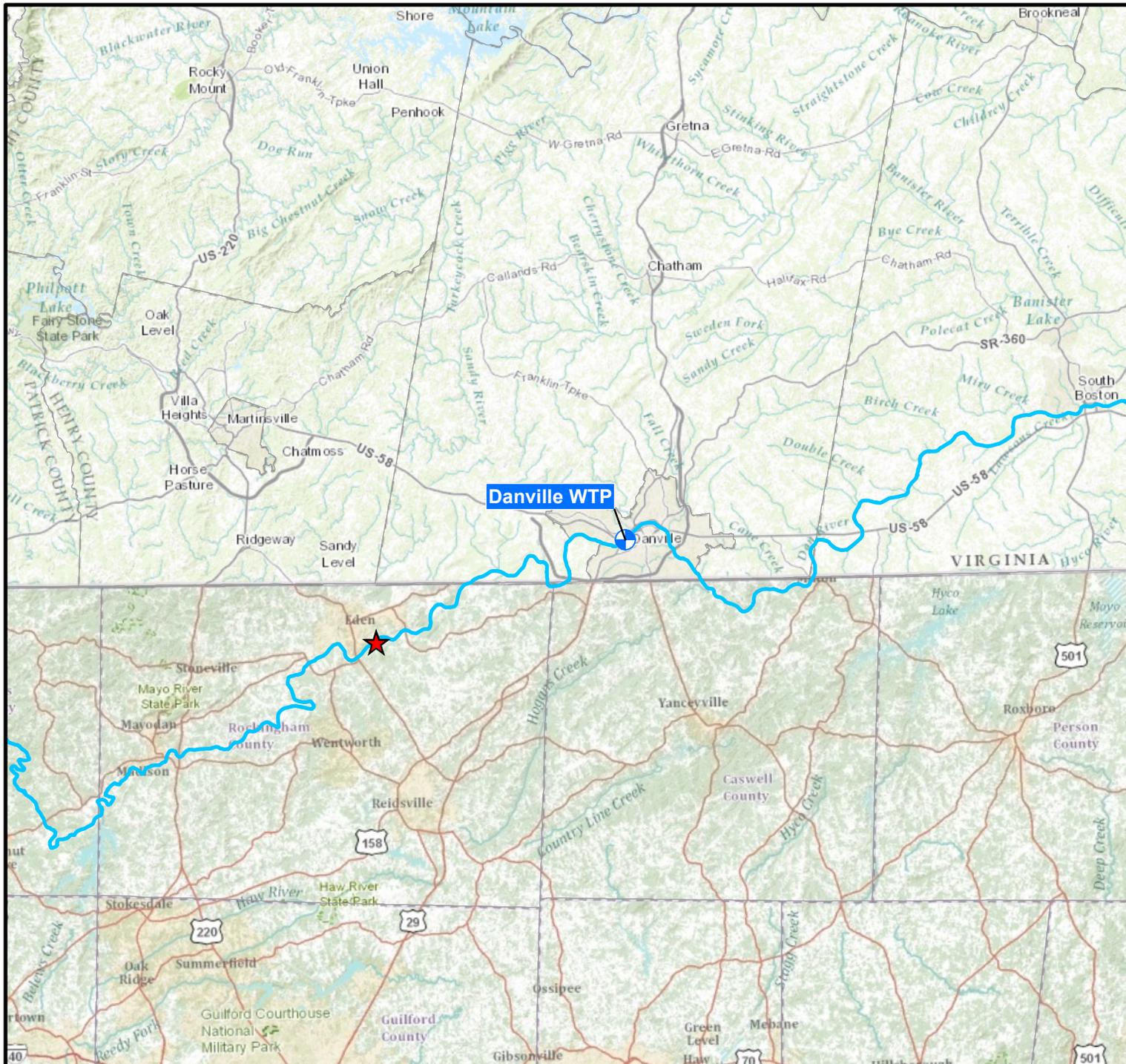
Analyte	Human Health Screening Standard for Drinking Water Samples <sup>1</sup>		Danville WTP	
<b>Sample Information</b>				
Sample ID	-		EDEN-DWTP-FINISH-201402112	
Date	-		2/12/2014	
Time	-		0905	
Status	-		Validation Complete	
Type	-		Drinking Water	
<b>Dissolved metals SW6010C/6020A/7470A</b>				
Aluminum	47,000	µg/L	13.7J+	µg/L
Antimony	6	µg/L	5.00U	µg/L
Arsenic	5	µg/L	4.50U	µg/L
Barium	2,000	µg/L	19.1	µg/L
Beryllium	4	µg/L	1.00U	µg/L
Boron	9.3	mg/L	0.122	mg/L
Cadmium	5	µg/L	0.700U	µg/L
Calcium	Essential nutrient		9,920	µg/L
Chromium	3	µg/L	2.50U	µg/L
Cobalt	14	µg/L	5.00U	µg/L
Copper	1,300	µg/L	2.00U	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	1.00U	µg/L
Magnesium	Essential nutrient		2,580	µg/L
Manganese	970	µg/L	2.10J	µg/L
Mercury	0.002	mg/L	0.00020U	mg/L
Molybdenum	78	µg/L	5.00U	µg/L
Nickel	910	µg/L	0.194J	µg/L
Potassium	Essential nutrient		1460	µg/L
Selenium	50	µg/L	5.00U	µg/L
Silica	-	-	7,110	mg/L
Silver	210	µg/L	1.00U	µg/L
Sodium	Essential nutrient		4900	µg/L
Thallium	0.5	µg/L	0.200U	µg/L
Vanadium	190	µg/L	5.00U	µg/L
Zinc	14,000	µg/L	10.0U	µg/L
<b>Total Dissolved Solids EPA 160.1</b>				
Total Dissolved Solids	-	-	70	mg/L
<b>Total Suspended Solids EPA 160.2</b>				
Total Suspended Solids	-	-	1.0J	mg/L

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Sample ID	-		EDEN-DWTP-FINISH-201402112	
<b>Total Metals SW6010C/6020A/7470A</b>				
Aluminum	47,000	µg/L	22.0J+	µg/L
Antimony	6	µg/L	5.00U	µg/L
Arsenic	5	µg/L	4.50U	µg/L
Barium	2,000	µg/L	19.0	µg/L
Beryllium	4	µg/L	1.00U	µg/L
Boron	-	-	0.13	mg/L
Cadmium	5	µg/L	0.700U	µg/L
Calcium	Essential nutrient		9,360	µg/L
Chromium	3	µg/L	2.50U	µg/L
Cobalt	14	µg/L	5.00U	µg/L
Copper	1,300	µg/L	1.74J	µg/L
Iron	33,000	µg/L	10.8J	µg/L
Lead	15	µg/L	1.00U	µg/L
Magnesium	Essential nutrient		2,440	µg/L
Manganese	970	µg/L	5.00U	µg/L
Mercury	0.002	mg/L	0.00020U	mg/L
Molybdenum	78	µg/L	5.00U	µg/L
Nickel	910	µg/L	0.190J	µg/L
Potassium	Essential nutrient		1,380	µg/L
Selenium	50	µg/L	5.00U	µg/L
Silica	-	-	7,070	mg/L
Silver	210	µg/L	1.00U	µg/L
Sodium	Essential nutrient		4,620	µg/L
Thallium	0.5	µg/L	0.200U	µg/L
Vanadium	190	µg/L	5.00U	µg/L
Zinc	14,000	µg/L	10.0U	µg/L
<b>Anions EPA 300</b>				
Bromide	-	-	1.0U	mg/L
Chloride	250	mg/L	9.8	mg/L
Sulfate	250	mg/L	12	mg/L
<b>Wet Chemistry EPA 310.2/SM2340B/SW9040 C/SW9060A</b>				
Alkalinity, Total (As CaCO <sub>3</sub> )	-	-	80.4	mg/L
Hardness, Calcium/Magnesium (As CaCO <sub>3</sub> )	-	-	33.4	mg/L
Organic Carbon, Dissolved	-	-	4.54	mg/L
pH	6.5 - 9.0	std	7.03J	std

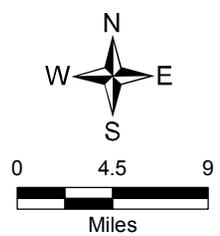
Notes

- <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 12, 2014**

