

EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

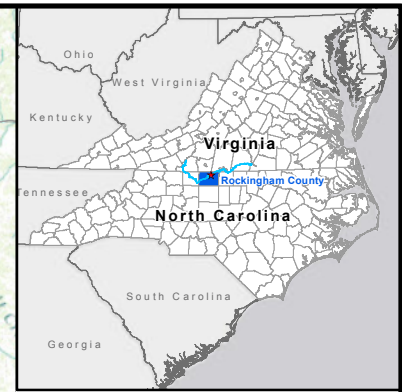
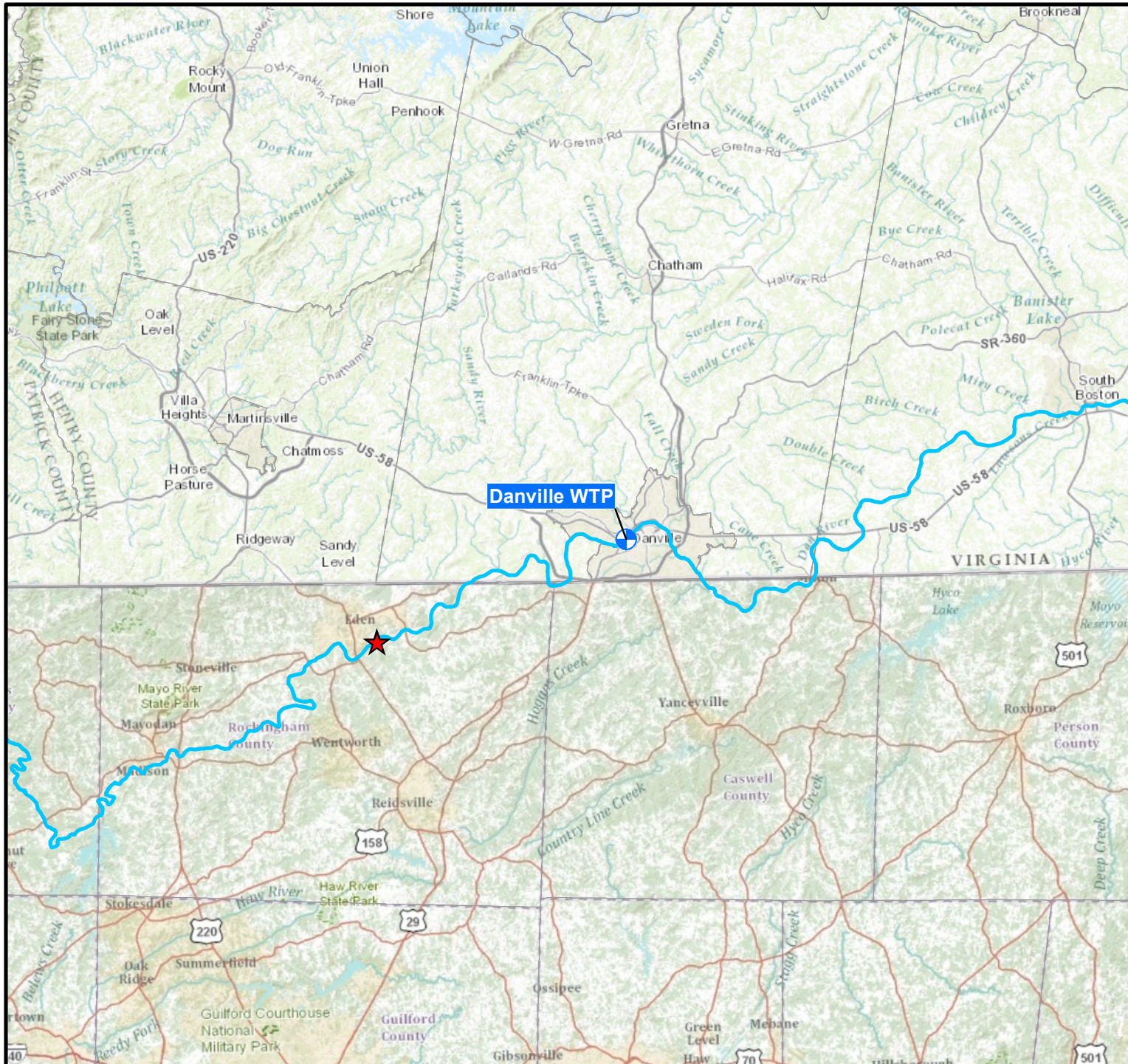
NOTE: The data below represents drinking water samples that were collected on Feb 16, 2014 by EPA START (Team 1). Water sample measurement are in milligrams per liter (mg/L) and/or micrograms per liter (ug/L) for drinking water samples. The data is being compared to EPA and State Maximum Contaminant 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 ¹		Danville WTP	
Sample Information				
Sample ID	-		EDEN-DWTP-FINISH-201402116	
Date	-		2/16/2014	
Time	-		0600	
Status	-		Validation Complete	
Type	-		Drinking Water	
Water Quality Monitoring				
Dissolved Oxygen	>6	mg/L	12	mg/L
Turbidity	-		0.35	NTU
Dissolved metals SW6010C/6020A/7470A				
Aluminum	47,000	µg/L	18.3J+	µg/L
Antimony	6	µg/L	5.00U	µg/L
Arsenic	5	µg/L	4.50U	µg/L
Barium	2,000	µg/L	21.7	µg/L
Beryllium	4	µg/L	1.00U	µg/L
Boron	9.3	mg/L	0.114J+	mg/L
Cadmium	5	µg/L	0.700U	µg/L
Calcium	Essential nutrient		10,500	µg/L
Chromium	3	µg/L	2.50U	µg/L
Cobalt	14	µg/L	5.00U	µg/L
Copper	1,300	µg/L	2.18	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	1.00U	µg/L
Magnesium	Essential nutrient		2,500	µg/L
Manganese	970	µg/L	1.19J	µg/L
Mercury	0.002	mg/L	0.00020U	mg/L
Molybdenum	78	µg/L	5.00U	µg/L
Nickel	910	µg/L	0.374J	µg/L
Potassium	Essential nutrient		1480	µg/L
Selenium	50	µg/L	5.00U	µg/L
Silica	-	-	6.13	mg/L
Silver	210	µg/L	1.00U	µg/L
Sodium	Essential nutrient		6990	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
Total Dissolved Solids EPA 160.1				
Total Dissolved Solids	-	-	78	mg/L
Total Suspended Solids EPA 160.2				
Total Suspended Solids	-	-	5.0U	mg/L

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Sample Information				
Sample ID	-		EDEN-DWTP-FINISH-201402116	
Total Metals SW6010C/6020A/7470A				
Aluminum	47,000	μg/L	26.5	μg/L
Antimony	6	μg/L	5.00U	μg/L
Arsenic	5	μg/L	4.50U	μg/L
Barium	2,000	μg/L	23.7	μg/L
Beryllium	4	μg/L	1.00U	μg/L
Boron	-	-	0.124J+	mg/L
Cadmium	5	μg/L	0.700U	μg/L
Calcium	Essential nutrient		10,600	μg/L
Chromium	3	μg/L	2.50U	μg/L
Cobalt	14	μg/L	5.00U	μg/L
Copper	1,300	μg/L	2.70	μg/L
Iron	33,000	μg/L	20.1J	μg/L
Lead	15	μg/L	1.00U	μg/L
Magnesium	Essential nutrient		2,470	μg/L
Manganese	970	μg/L	2.60J	μg/L
Mercury	0.002	mg/L	0.00020U	mg/L
Molybdenum	78	μg/L	5.00U	μg/L
Nickel	910	μg/L	0.645J	μg/L
Potassium	Essential nutrient		1,490	μg/L
Selenium	50	μg/L	5.00U	μg/L
Silica	-	-	6.34	mg/L
Silver	210	μg/L	-	-
Sodium	Essential nutrient		6,690	μg/L
Thallium	0.5	μg/L	0.200U	μg/L
Vanadium	190	μg/L	5.00U	μg/L
Zinc	14,000	μg/L	7.96J	μg/L
Anions EPA 300				
Bromide	-	-	1.0U	mg/L
Chloride	250	mg/L	15	mg/L
Sulfate	250	mg/L	13	mg/L
Wet Chemistry EPA 310.2/SM2340B/SW9040 C/SW9060A				
Alkalinity, Total (As CaCO ₃)	-	-	78.0	mg/L
Hardness, Calcium/Magnesium (As CaCO ₃)	-	-	36.6	mg/L
Organic Carbon, Dissolved	-	-	0.463J	mg/L
pH	6.5 - 9.0	std	6.98J	std

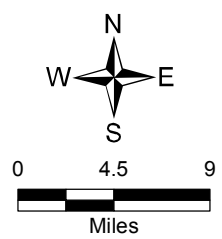
Notes

- 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
- 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 16, 2014**

