

**EDEN NORTH CAROLINA COAL ASH SPILL
DRINKING WATER RESULTS**

Analyte	Human Health Screening Standard for Drinking Water Samples ¹		Clarksville WTP	
Sample Information				
Sample ID	-		EDEN-CLWTP-FINISH-20140220	
Date	-		2/20/2014	
Time	-		1020	
Status	-		Validation Complete	
Type	-		Drinking Water	
Dissolved metals SW6010C/6020A/7470A				
Aluminum	47,000	µg/L	197	µg/L
Antimony	6	µg/L	5.00U	µg/L
Arsenic	5	µg/L	4.5U	µg/L
Barium	2,000	µg/L	23.9	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.0613J+	mg/L
Cadmium	5	µg/L	0.7U	µg/L
Calcium	Essential nutrient		10,100	µg/L
Chromium	3	µg/L	2.5U	µg/L
Cobalt	14	µg/L	5U	µg/L
Copper	1,300	µg/L	0.53J	µg/L
Iron	33,000	µg/L	100U	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		3,530J-	µg/L
Manganese	970	µg/L	12	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5.00U	µg/L
Nickel	910	µg/L	5.00U	µg/L
Potassium	Essential nutrient		1,880	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silica	-	-	5.35	mg/L
Silver	210	µg/L	0.05U	µg/L
Sodium	Essential nutrient		10,500	µg/L
Thallium	0.5	µg/L	0.2U	µg/L
Vanadium	190	µg/L	5.00U	µg/L
Zinc	14,000	µg/L	17.8	µg/L
Total Dissolved Solids EPA 160.1				
Total Dissolved Solids	-	-	110	mg/L
Total Suspended Solids EPA 160.2				
Total Suspended Solids	-	-	1.5J	mg/L

**EDEN NORTH CAROLINA COAL ASH SPILL
DRINKING WATER RESULTS**

Analyte	Human Health Screening Standard for Drinking Water Samples ¹		Clarksville WTP	
Sample Information				
Sample ID	-		EDEN-CLWTP-FINISH-20140220	
Date	-		2/20/2014	
Time	-		1020	
Status	-		Validation Complete	
Type	-		Drinking Water	
Total Metals SW6010C/6020A/7470A				
Aluminum	47,000	µg/L	302	µg/L
Antimony	6	µg/L	5.00U	µg/L
Arsenic	5	µg/L	4.5U	µg/L
Barium	2,000	µg/L	23.5	µg/L
Beryllium	4	µg/L	0.65U	µg/L
Boron	9.3	mg/L	0.0636J+	mg/L
Cadmium	5	µg/L	0.7U	µg/L
Calcium	Essential nutrient		10,600	µg/L
Chromium	3	µg/L	2.5U	µg/L
Cobalt	14	µg/L	5.00U	µg/L
Copper	1,300	µg/L	1.2J	µg/L
Iron	33,000	µg/L	21.9J	µg/L
Lead	15	µg/L	0.5U	µg/L
Magnesium	Essential nutrient		3,390J-	µg/L
Manganese	970	µg/L	14.2	µg/L
Mercury	0.002	mg/L	0.0002U	mg/L
Molybdenum	78	µg/L	5.00U	µg/L
Nickel	910	µg/L	5.00U	µg/L
Potassium	Essential nutrient		1,770	µg/L
Selenium	50	µg/L	4.5U	µg/L
Silica	-	-	5.23	mg/L
Silver	210	µg/L	0.055U	µg/L
Sodium	Essential nutrient		10,900	µg/L
Thallium	0.5	µg/L	0.2U	µg/L
Vanadium	190	µg/L	5.00U	µg/L
Zinc	14,000	µg/L	17.4J+	µg/L
Anions SW9056A				
Bromide	-	-	1.0U	mg/L
Chloride	250	mg/L	15	mg/L
Sulfate	250	mg/L	30	mg/L

EDEN NORTH CAROLINA COAL ASH SPILL DRINKING WATER RESULTS

Analyte	Human Health Screening Standard for Drinking Water Samples ¹	Clarksville WTP		
Sample Information				
Sample ID	-	EDEN-CLWTP-FINISH-20140220		
Date	-	2/20/2014		
Time	-	1020		
Status	-	Validation Complete		
Type	-	Drinking Water		
EPA 310.2/SM2340B/SW9040 C/SW9060A				
Wet Chemistry				
Alkalinity, Total (As CaCO ₃)	-	-	92.1	mg/L
Hardness, Calcium/Magnesium (As CaCO ₃)	-	-	40.4	mg/L
Organic Carbon, Dissolved	-	-	0.579J	mg/L
pH	6.5 - 9.0	std	6.88J	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

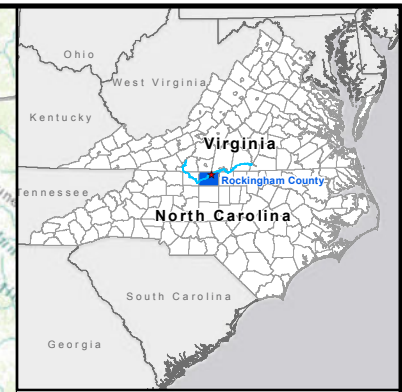
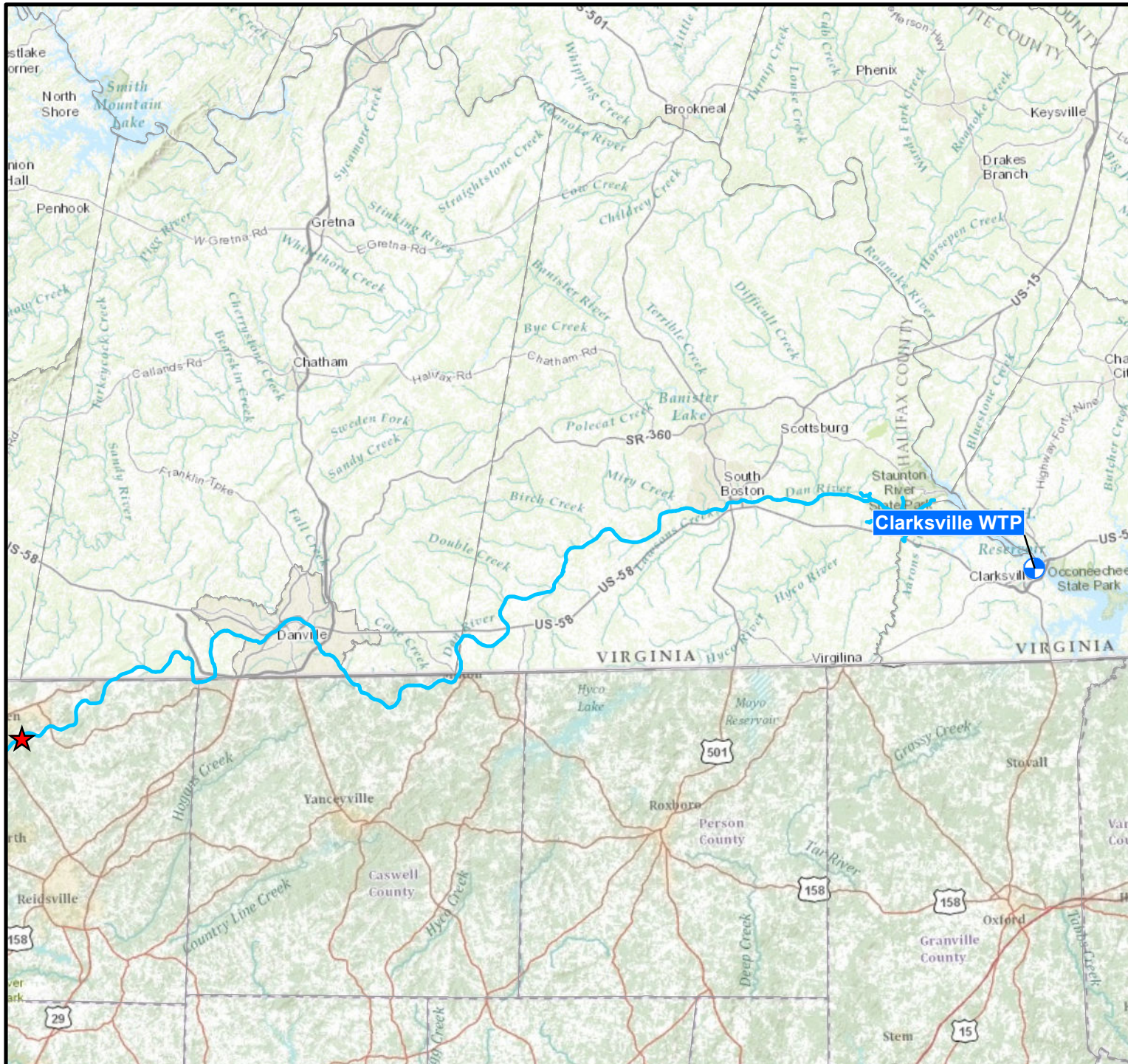
J- Value is estimated with a possible low bias

µg/L micrograms per liter




mg/L milligrams per liter

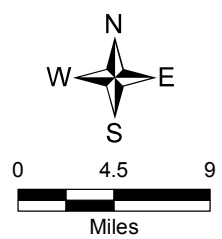
U Analyte was not detected at the listed reporting limit.

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
February 20, 2014**

