

Data from Ash Release at Duke Energy Dan River Station
Upstream of 009 Stormwater Discharge
Sampling Dates and Sample ID

Parameter	Lab PQL	Report # Dissolved Units/Hg 1631	2/26/2014		2/27/2014		Applicable Water Quality Standard	Basis for Standard
			AC05555		AC05646			
			AC05556		AC05647			
Residue_Suspended	6.2	mg/L			8.8			
Total Dissolved Solids	12	mg/L			53			
Aluminum_Al	50	ug/L	490		370		87*	Aquatic Life
Arsenic_As	2.0	ug/L	2.0	U	2.0	U	10	Human Health
Cadmium_Cd	0.50	ug/L	0.50	U	0.50	U	2	Aquatic Life
Copper_Cu	2.0	ug/L	2.0	U	2.0	U	7	Aquatic Life
Iron_Fe	50	ug/L	640		720		1000	Aquatic Life
Nickel_Ni	2.0	ug/L	2.0	U	2.0	U	88	Aquatic Life
Zinc_Zn	10	ug/L	10	U	10	U	50	Aquatic Life
Al - Dissolved Aluminum	50	ug/L	50	U	50	U	<i>no NC standards for dissolved metals</i>	
As Dissolved Arsenic	2.0	ug/L	2.0	U	2.0	U		
Cd- Dissolved Cadmium	0.50	ug/L	0.50	U	0.50	U		
Cu- Dissolved Copper	2.0	ug/L	2.0	U	2.0	U		
Fe- Dissolved Iron	50	ug/L	50	U	50	U		
Ni-Dissolved Nickel	2.0	ug/L	2.0	U	2.0	U		
Zn-Dissolved Zinc	10	ug/L	10	U	10	U		

U = Indicates that the analyte was analyzed for but not detected above the reported practical quantitation limit.

Blanks mean no sample taken or standard available or no qualifier on data.

* Aluminum is pH and hardness dependent and is based on National Recommended Water Quality Criteria.