


NCDEQ/DWR  
FACT SHEET FOR NPDES PERMIT DEVELOPMENT/Major Modification

**Duke Energy Carolinas, LLC – Allen Steam Station  
NC0004979**

Facility Information			
Applicant/Facility Name:	Duke Energy Carolinas, LLC – Allen Steam Station		
Applicant Address:	P.O. Box 1006, Charlotte, North Carolina 28201		
Facility Address:	253 Plant Allen Road, Belmont, North Carolina 28012		
Permitted Flow	No limit		
Type of Waste:	~100% industrial Primary SIC Code: 4911 – Electric Services		
Facility/Permit Status:	Class I/Active; Major Modification		
County:	Gaston County		
Miscellaneous			
Receiving Stream:	Catawba River (11-123.5), South Fork Catawba River (Lake Wylie)	Regional Office:	Mooreville
Stream Classification:	WS-IV B (Catawba River) and WS-V B (South Fork Catawba River)	State Grid / USGS Quad:	G14 NE
303(d) Listed?	Yes (Catawba River Only)	Permit Writer:	Sergei Chernikov, Ph.D.
Subbasin:	03-08-34	Date:	May 10, 2016
Drainage Area (mi <sup>2</sup> ):	635 (Catawba River)	 <p>001: Lat. 35° 11' 23" N Long. 81° 00' 45" W            002: Lat. 35° 10' 30" N Long. 81° 00' 23" W            002A: Lat. 35° 11' 34" N Long. 81° 00' 22" W            002B: Lat. 35° 11' 36" N Long. 81° 00' 30" W            004: Lat. 35° 11' 35" N Long. 81° 00' 22" W            006: Lat. 35° 11' 35" N Long. 81° 00' 22" W            007: Lat. 35° 11' 55" N Long. 81° 00' 36" W            008: Lat. 35° 10' 55" N Long. 81° 00' 24" W</p>	
Summer 7Q10 (cfs)	95		
Winter 7Q10 (cfs):	95		
30Q2 (cfs)	314		
Average Flow (cfs):	2470		
IWC (%):	23.6 (Outfall 002 and Outfall 006)		

**SUMMARY**

Duke Energy’s Allen Steam Station is a coal fired steam electric plant in Gaston County. Units 1, 2, and 3 are scheduled to retire by December 31, 2024.

The facility is subject to the effluent guidelines - 40 CFR 423.12. The facility is also subject to the Cooling Water Intake Structure Rule (316(b) Rule) per 40 CFR 125.95 and Coal Ash Management Act (State Law).

The facility requested a Major Modification to extend compliance schedule for FGD wastewater from 02/28/2020 to 11/01/2020 due to the latest EPA changes to 40 CFR 423. The request has been granted.