

ATTACHMENT A

Facility Information

Virgil C. Summer Nuclear Station

GSOP-1000-0036

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A - APPLICABLE PERMIT DATES

COVERAGE DATE: September 13, 2013

B - FACILITY PHYSICAL ADDRESS

STREET ADDRESS: 1162 State Highway 213
CITY, STATE, ZIP: Jenkinsville, SC 29065
COUNTY: Fairfield

C - PLANT

Plant ID	Type of Plant	Plant & Equipment Description	Control Device Description
01	Central Mix	240 yd ³ /hr Concrete Batch Plant equipped with an integral C&W RA-200 Central Dust Collector	None
		Weigh Hopper	None
		Mixer	None
02	Central Mix	240 yd ³ /hr Concrete Batch Plant equipped with an integral C&W RA-200 Central Dust Collector	None
		Weigh Hopper	None
		Mixer	None

D - SILOS

Silo ID	Silo Description	Control Device/Binvent Description	Plant ID
CS1	Cement/Cement Supplement Silo #1 (Split)	C&W RA-200 Central Dust Collector	01
CS2	Cement/Cement Supplement Silo #2 (Split)	C&W RA-200 Central Dust Collector	02

E - TANKS

Tank ID	Tank Description	Capacity (Gallons)
T1	Diesel Fuel Storage Tank (Plant 1)	2,000
T2	Admixture Tank #1 (Plant 1)	1,500
T3	Admixture Tank #2 (Plant 1)	1,500
T4	Admixture Tank #3 (Plant 1)	1,500
T5	Admixture Tank #4 (Plant 1)	1,500
T6	Admixture Tank #5 (Plant 1)	1,500
T7	Admixture Tank #6 (Plant 1)	1,500

ATTACHMENT B

Modeled Emission Rates

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The emission rates listed herein are not considered federally enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards.

AMBIENT AIR QUALITY STANDARDS - STANDARD 2					
STACK	Modeled Emission Rates (lbs/hr)				
	TSP	PM ₁₀	SO ₂	NO _x	CO
CONVTRN1	0.91	0.91	--	--	--
CONVTRN2	0.91	0.91	--	--	--
FILTER1	0.39	0.39	--	--	--
FILTER2	0.39	0.39	--	--	--
GRNDTRN1	0.91	0.91	--	--	--
GRNDTRN2	0.91	0.91	--	--	--
SILOTRN1	0.91	0.91	--	--	--
SILOTRN2	0.91	0.91	--	--	--
FACILITY TOTAL	6.24	6.24	--	--	--

AMBIENT AIR QUALITY STANDARDS - STANDARD 2		
STACK	Modeled Emission Rates (lbs/hr)	
	Lead	Gaseous Fluorides (as HF)
FACILITY TOTAL	2.5E-06	--

STANDARD NO. 8 – TOXIC AIR POLLUTANTS LEVEL I DE MINIMIS ANALYSIS				
POLLUTANT	CAS NUMBER	EMISSION RATE (LBS/DAY)	DE MINIMIS (LBS/DAY)	PASS (Y or N)
Arsenic	7440-38-2	0.0005	0.012	Yes
Beryllium	7440-41-7	0.00004	0.0005	Yes
Cadmium	7440-43-9	0.000004	0.003	Yes
Chromium	--	0.001	0.030	Yes
Manganese	--	0.013	0.300	Yes
Nickel	7440-02-0	0.002	0.006	Yes
Phosphorus	7723-14-0	0.005	0.006	Yes
Selenium	--	0.00003	0.012	Yes