NORTH CAROLINA DIVISION OF AIR QUALITY

Inspection Report
Date: 09/23/2022

Washington Regional Office
DPD Team Concrete-Belhaven
NC Facility ID 0700138
County/FIPS: Beaufort/013

Facility Data

DPD Team Concrete-Belhaven
31537 Highway 264 East Business
Belhaven, NC 27810
Lat: 35d 19.9333m **Long:** 76d 38.3833m
SIC: 3273 / Ready-Mixed Concrete
NAICS: 327331 / Concrete Block and Brick Manufacturing

Permit Data

Permit n/a
Issued n/a
Expires n/a
Class/Status Permit Exempt
Permit Status Inactive
Current Permit Application(s) None

Program Applicability

SIP

Contact Data

Facility Contact	Authorized Contact	Technical Contact
Steve Gresham Plant Manager (252) 943-3952	David Hardee Chief Operations Manager (252) 756-0119	Daniel Sutton Quality Control Manager (252) 756-0119

Comments: Based on visual observation, the facility appeared to operate in compliance with all applicable air quality regulations at the time of the compliance assurance visit.

Inspector's Signature:

Date of Signature: September 23, 2022

Compliance Data

Inspection Date 09/16/2022
Inspector's Name Robert Bright
Operating Status Operating
Compliance Status Compliance - inspection
Action Code CAV
Inspection Result Compliance

Total Actual emissions in TONS/YEAR:

	TSP	SO2	NOX	VOC	CO	PM10	* HAP
2010	0.1350	---	---	---	---	0.0630	0.0380
2006	1.58	---	---	---	---	0.4000	0.4365

* Highest HAP Emitted (in pounds)

Five Year Violation History: None

Performed Stack Tests since last CAV: None

Location:
The facility is located on Hwy 264 E (business or Pamlico Street) on the east side of Belhaven. Take Hwy 264 East business and turn left in the center of town on Pamlico Street or 264 E, and then travel out of town for approximately two miles. The facility will be on the left just before Campbell Lane (SR1708) that is a dead end.

Facility Summary:
This is a typical concrete batch plant. Sand, aggregate, cement, and fly ash are weighed in a hopper and gravity fed into a delivery truck. The cement and fly ash are stored in separate storage silos. There are two storage silos at this plant.

Facility Safety:
Required PPE: Safety shoes, safety glasses, safety vest, and hard hats should be worn, especially if equipment is operating.

List of Air Emission Sources:

Emission Source ID	Emission Source Description	Control System ID	Control System Description
ES-1	Cement silo (500 barrels' capacity)	CD-1	Fabric filter (228 square feet of filter area)
ES-2	Cement supplement silo (30 tons' capacity)	CD-2	Fabric filter (250 square feet of filter area)
ES-3	Weigh hopper (12 cubic yards' capacity)	CD-3	Fabric filter (36 square feet of filter area)
ES-4	Truck loadout	CD-3	Fabric filter (36 square feet of filter area)

Observations:
On September 16, 2022, I conducted a compliance assurance visit and observed that the facility was not in operation. All the equipment looked to be in good working order. Daniel Sutton, Quality Control Manager (Daniel), stated the plant hasn't operated in two years (for one month) and didn't operate for about two years prior to that. Daniel did say that the plant my operate for a time soon.

Regulatory Review:
2D .0515 - Particulate from Miscellaneous Industrial Processes:
This standard requires that emission rates for particulate matter from any stack, vent, or outlet, resulting from any industrial process for which no other emission control standard are applicable, shall not exceed the level calculated with the equation $E = 4.10 (P)^{0.67}$ calculated to three significant figures for process rates less than or equal to 30 tons per hour. For process rates greater than 30 tons per hour, the allowable emission rates for particulate matter shall not exceed the level calculated with the equation $E = 55.0 (P)^{0.11} - 40$ calculated to three significant figures. "E" equals the maximum allowable emission rate for particulate matter in pounds per hour and "P" equals the process rate in tons per hour.

Previous air permit application reviews state that compliance is easily met with proper operation of the baghouse. There was no evidence that the bagfilter does not properly operated or maintained. **Compliance is assumed.**

2D .0521 - Controls of Visible Emissions:
Visible emissions from the permitted sources shall not be more than 20% opacity when averaged over a six-minute period. The facility was not in operation and there was no evidence that visible emissions are an issue. **Compliance is indicated.**

2D .0535 - Excessive Emissions Reporting and Malfunctions:
There were no indications of equipment malfunctions that would result in excessive emissions requiring more than four hours to repair. No reports of a malfunction have been reported to WaRO. **Compliance is indicated.**

2D .0540 - Particulates from Fugitive Non-Process Emissions Sources:
Fugitive non-process dust emissions are particulate matter that is not collected by a capture system and is generated from areas such as pit areas, process areas, haul roads, stockpiles, and plant roads. At the time of the inspection, I saw no evidence of any fugitive dust emissions. A truck wets down the facility area as needed. **Compliance is indicated.**

2D .0611 - Bagfilter Requirements:
Particulate matter emissions are controlled using bag filters as described in the permitted equipment list. Maintenance and inspections must be conducted in accordance with the manufacturer's recommendations and the results must be documented in a logbook (written or electronic). The bagfilter appeared to be in good working order. **Compliance is indicated.**

Compliance History (Five Years):
None

Compliance Statement:
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