


**NORTH CAROLINA DIVISION OF
AIR QUALITY**

Inspection Report
Date: 04/30/2019

Washington Regional Office
Greenville Ready Mixed Concrete - Greenville
NC Facility ID 7400298
County/FIPS: Pitt/147

Facility Data			Permit Data				
Greenville Ready Mixed Concrete - Greenville 612 Barrus Construction Road Greenville, NC 27858 Lat: 35d 40.3310m Long: 77d 26.3080m SIC: 3273 / Ready-Mixed Concrete NAICS: 32732 / Ready-Mix Concrete Manufacturing			Permit n/a Issued n/a Expires n/a Class/Status Permit Exempt Permit Status Inactive Current Permit Application(s) None				
Contact Data			Program Applicability				
Facility Contact	Authorized Contact	Technical Contact	SIP				
David Hardee Chief Operations Manager (252) 756-0119	David Hardee Chief Operations Manager (252) 756-0119	Daniel Sutton Assistant Plant Manager (252) 756-0119					
Comments: 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: 04/30/2019			Compliance Data Inspection Date 04/12/2019 Inspector's Name Samantha Mellott Operating Status Operating Compliance Code Compliance - inspection Action Code CAV On-Site Inspection Result Compliance				
Total Actual emissions in TONS/YEAR:							
	TSP	SO2	NOX	VOC	CO	PM10	* HAP
No emissions inventory on record.							
* Highest HAP Emitted (in pounds)							
Five Year Violation History:							
<u>Date</u>	<u>Letter Type</u>	<u>Rule Violated</u>					<u>Violation Resolution Date</u>
03/11/2016	NOV	Permit Condition					03/16/2016
03/16/2015	NOV	Permit Condition					03/11/2015
Performed Stack Tests since last FCE: None							

LOCATION:

From WaRO take Highway 264W to Greenville. At the junction of Highway 264/Greenville Boulevard 264W, turn right and follow the bypass towards Wilson. Exit Hwy 264W bypass onto Hwy 33 North towards Tarboro. On Highway 33N, past Belvoir Elementary School, turn left onto SR 1402 (Barrus Construction Road). The facility is located approximately one mile on your left.

FACILITY SAFETY:

Recommended PPE: hardhat, steel toe shoes, eye protection, and reflective vest.

PROCESS DESCRIPTION:

This facility is a concrete batch plant where sand, water, and aggregates are weighed in a hopper and gravity fed into delivery trucks.

EMISSION SOURCES:

One concrete batch plant with fabric filter air pollution control system(s) installed on all sources;

1. One (1) cement mixing weigh hopper and loading operation;
2. Silos for cement and fly ash storage.

INSPECTION OBSERVATIONS/COMMENTS:

On April 12, 2019 a compliance assurance visit was conducted by myself, Samantha Mellott, Environmental Specialist with the assistance of John Winstead, Plant Manager. Mr. Winstead explained that they do not use this location regularly but the baghouse is inspected after every extended shutdown. Otherwise, the baghouse is inspected and cleaned monthly and bags are replaced as needed. The logbook on site only contained baghouse records up to July 7, 2017. The rest of the records were at their central office and are up to date (sent via email April 18, 2019 from Daniel Sutton, Assistant Plant Manager; baghouse was most recently cleaned March 16, 2019 and no bags were replaced).

The facility was in operation at the time of inspection and less than 5% visible emissions were observed from the stack. I observed no fugitive dust or odors leaving the facility property and all equipment appeared to be well maintained. Mr. Winstead explained that they do utilize a water truck to water down the yard if dust becomes an issue during dry days.

Logs received via email on April 29, 2019 state that the facility produced a total of 22,080 yd³ of concrete in 2017 and 16,955 yd³ in 2018.

REGULATORY REVIEW:

2D .0515 – “Particulates from Miscellaneous Industrial Process”

The allowable emission rates for particulate matter from any stack, vent, or outlet, resulting from any industrial process for which no other emission control standards are applicable, shall not exceed the rates as outlined in this regulation.

The facility demonstrates that they practice proper operation and maintenance of their sources and it is reasonable to expect that they do not exceed allowable emission rates. **Compliance is indicated**

2D .0521 – “Control of Visible Emissions”

Visible emissions (VE) from permitted sources shall not be more than 20% opacity when averaged over a six-minute period.

The facility was operating at the time of inspection and less than 5% VE was observed. There have been no complaints regarding VE since the time of last compliance assurance visit. **Compliance is indicated**

2D .0535 – “Excess 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 such reports have been submitted since the time of last compliance assurance visit. **Compliance is indicated**

2D .0540 – “Fugitive Dust Control Requirement”

“Fugitive dust emissions” means particulate matter from process operations that does not pass through a stack or vent and that is generated within the facility property from activities such as: unloading and loading areas, process areas stockpiles, stock pile working, facility parking lots, and facility roads (including access roads and haul roads).

No fugitive dust emissions were observed and no complaints regarding fugitive dust have been received since the time of last compliance assurance visit. The facility utilizes a water truck to water down the yard as needed. **Compliance is indicated**

2D .0611 – “Bag Filter Requirements”

At minimum the facility shall perform an annual internal inspection of the dust collector system. In addition, the facility shall perform monthly external inspections and maintenance as recommended by the equipment manufacturer.

An internal visual inspection of the baghouse is performed monthly as evidenced in the facility logbook held at their central location. Bags are changed as needed and any additional maintenance is logged. The most recent inspection took place March 16, 2019 and no bags were replaced. **Compliance is indicated**

2D .1104 – “Toxic Air Pollutant Control Requirements”

The facility shall limit the quantity of concrete produced to less than the applicable maximum production rate, based on the minimum distance to the property line. The minimum distance to the property line is the distance from the cement mixing weigh hopper to the closest point of the facility’s property line.

This facility is 175 feet from the property line. This makes their maximum concrete production rate 120,000 yd³ per year. With only 16,955 yd³ total produced in 2018 this facility is well within their limit. **Compliance is indicated**

2Q .0310 – “General Permit Requirements”

The facility must operate only the equipment listed in the General Permit equipment list, not be subject to any 15A NCAC 2D or 2Q regulation not addressed in Specific Condition A. 1 of the Permit, not exceed 138 yds³ per hour of concrete production, and comply with the Toxics property line distance requirements. **Compliance is indicated**

2D .1100, 2Q .0711 – “Toxic Air Pollutant Control Requirements”

Facility-wide actual emissions may not exceed the Toxic Permit Emission Rates (TPERs) listed in 15A NCAC 2Q .0711:

Pollutant	Carcinogens (lb/yr)	Chronic Toxicants (lb/day)	Acute Systemic Toxicants (lb/hr)	Acute Irritants (lb/hr)
Beryllium	0.28			
Cadmium	0.37			
Chromium*		0.013		
Manganese and compounds		0.63		
Nickel metal		0.13		

This facility’s permit was rescinded 9/20/2016 because facility-wide actual emissions of particulate matter (PM10), sulfur dioxide, nitrogen oxides, volatile organic compounds, carbon monoxide, hazardous air pollutants (HAP), and toxic air pollutants (TAP), from previous years, each has been less than five (5) tons per year and the total actual aggregate emissions of these pollutants have been less than 10 tons per year. There are no future plans to make any changes that would increase emissions above these exemption thresholds.

Compliance is indicated

112(R) APPLICABILITY:

The facility does not store applicable volumes of 112(r) materials.

FIVE YEAR COMPLIANCE HISTORY:

NOV 3/11/2016 for late annual reporting; Received hard copy 3/16/2016

NOV 3/16/2015 for late annual reporting; Received 3/11/2015 via email and hard copy 3/16/2015

CONCLUSIONS, COMMENTS, AND RECOMMENDATIONS: The facility appeared to operate in compliance with all applicable air quality regulations at the time of the compliance assurance visit.