

Asheville-Buncombe Air Quality Agency Facility Inspection Report

Facility Inspection Information					
Facility Name:		Southern Concrete Materials – Weaverville			
Date of Inspection:		May 22, 2023		Last Inspected: April 14, 2022	
Mailing Address:		P.O. Box 5395, Asheville, NC 28813		Physical Location: 24 Ollie Weaver Rd. Weaverville, NC 28787	
Contact Name:		Chris Shelton		Phone Number: (828)-417-3415 (Direct Line to Plant)	
Permit #:	11-811-15A	Issued:	July 13, 2015	Expires:	July 31, 2023
Inspector(s):		Alexander (Alex) Latta			
Results:		Appears in compliance		Inspection Time: 0850 hours	

Introduction

On the above date, a comprehensive inspection was conducted at Southern Concrete Materials - Weaverville. The purpose of this inspection was to determine compliance under the Asheville-Buncombe Air Quality Agency Code (AB Air Quality Code). Southern Concrete Materials, otherwise known as the facility, is a concrete batch plant. Operation of this facility is granted under permit number 11-811-15A which was issued on July 13, 2015, amended March 9, 2020, and expires on July 31, 2023. The inspection was conducted by Alex Latta. The facility was represented by Chris Shelton. The following is a summary of the inspection results:

Safety Equipment / Special Instructions

Steel-toed shoes, a hard hat, and safety vest, are required while touring the facility.

Permitted Equipment

- CBP: One (1) concrete batch plant with a maximum rated capacity of 100 cubic yards per hour, consisting of the following:
 - One (1) 74 ton capacity cement silo (CS) with emissions controlled by a baghouse (CSB) with 420 total square feet of filter area,

- One (1) 48 ton capacity cement and fly ash silo (FS) with emissions controlled by a baghouse (FSB) with 420 total square feet of filter area,
- One (1) 3.65 ton capacity weigh hopper (WH) with emissions controlled by a baghouse (WHB) with 45 total square feet of filter area,
- One (1) truck mix operation (TM) without a dust collection system

Emission Unit CBP and all associated equipment (CS, CSB, FS, FSB, WH, WHB, and TM) were observed in operation during the inspection.

Exempt Sources:

The following exempt equipment was observed during the inspection:

- One (1) Lochinvar propane fueled water heater, rated at 1.5 MMBtu/hr fuel input.
- One (1) four bin aggregate weigh hopper
- One (1) 10,000 gallon low sulfur, on-road diesel fuel tank

Permit Conditions:

The following permit conditions were reviewed during this inspection:

- A.1 – The facility is required to operate according to AB Air Quality Code including but not limited to the following specified conditions and any other applicable Local, State, and Federal regulations.
- A.2 – This condition is informational in nature and the facility is aware of the requirements relating to permit changes and permit applications. The facility is required to operate as they indicated in their permit application and notify the agency of any changes to equipment or processes. A copy of the permit application must be maintained by the facility.
- A.3 – The facility is required to submit an application for any changes or alterations to processes and equipment to AB Air Quality Agency. Failure to do so could result in enforcement action.

- A.4 – This condition requires the permittee to notify the Agency in the event of a name or ownership change.
- A.5 – The facility is required to obtain a new air permit prior to installing and operating sources of air emissions at a site or location not specified in the air permit (relocation)
- A.6 – This permit does not absolve the facility of any liabilities related to any civil/criminal penalties for violations of AB Air Quality Code prior to permit issuance. The facility shall be subject to enforcement action if the terms of the permit are violated.
- A.7 – This condition requires that the permittee maintain and operate the facility at all times so that the overall reduction in air pollutants, in accordance with applicable standards, is achieved. The facility has developed a maintenance schedule for equipment and is maintaining records of all maintenance. Additionally, the facility is maintaining an inventory of spare parts for equipment. The facility has established standard operating procedures for equipment and is training equipment operators on the procedures.
- A.8 – This condition requires that the facility notify the Agency in the event of a malfunction. The facility has not experienced any malfunctions during the reporting period.
- A.9 – This condition lists the Agency address that the facility is required to submit any required reports, data, notifications, and requests for renewal.
- A.10 – The facility shall allow authorized Local, State, and Federal representatives on-site for inspection upon presentation of credentials.
- A.11 – This condition requires that the facility pay their annual permit fee on a timely basis. The facility is up-to-date on fee payments. The facility last submitted their fee payment on August 8, 2022.
- A.12 – The facility is required to submit a permit renewal request no later than ninety (90) days prior to permit expiration. The facility's request was received by the Agency on February 27, 2023.

- A.13 – This permit may be suspended or revoked by the AB Air Quality Agency Board under certain conditions.
- A.14 – This condition requires the facility retain a copy of the permit on the premises. The facility had a copy of their current operating permit on-site.
- B.1 – The previous issue of this permit shall become void with the issuance of this current version.
- B.2 – This condition limits visible emissions from all sources to no more than 20 percent opacity when averaged over a six-minute period. No visible emissions were noted during the inspection.
- B.3 – This condition establishes the allowable PM emission rate which was calculated as 58.5 pounds per hour. The maximum potential emission rate is below this number and compliance is expected as long as the control devices are operating. The facility does not operate the plant without the control devices.
- B.4 – This condition requires the facility to minimize fugitive dust emissions and prevent them from leaving the property boundary. The facility was not causing nor allowing fugitive dust emissions to leave the property boundary.
- B.5 – This condition states that the facility shall perform an annual inspection of the fabric filter system, as well as requiring the facility to maintain records of all inspections in a logbook. The facility is conducting annual inspections and routine maintenance on the fabric filters (CSB, FSB, WHB). Facility representatives stated the current system uses filters that are not replaced on a consistent schedule but instead are cleaned and reused until no longer usable. The facility representatives stated they check the unit internally around every 2 months to ensure proper operation of the bags and to see if they need cleaning. Facility representatives stated the manufacturer recommends an internal check twice per year. The last internal check on the fabric filters occurred during February to March 2023 during a 2-month period of downtime where the facility conducted maintenance on older equipment. Operations resumed around mid-April 2023. The most recent periodic check occurred on May 15, 2023 with no issues noted.

- B.6 – This condition states that the facility must submit annual reports to the Agency by February 15th of each year. The facility is submitting annual reports as required. The most recent annual report was submitted on January 10, 2023 and contained all the required information. The facility batched 30,918 cubic yards of concrete in 2022. The throughput from January 1, 2023 to May 19, 2023 was 6,987.5 cubic yards. The facility had batched 49 cubic yards of concrete on the day of the inspection, but this was not included in the 2023 calculation since the facility was not done operating for the day.

Compliance History:

The facility does not have any history of recorded violations in the last fifteen years.

Conclusion:

Based on the above information, Southern Concrete Materials – Weaverville. appears to be in compliance with all applicable regulations of the AB Air Quality Code. It is recommended that this permit be renewed.

Signature: Alexander Latta Date: 5/30/2023
Reviewer Signature: [Signature] Date: 7/7/2023
Director Signature: [Signature] Date: 7/21/2023

