



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE

Molly Joseph Ward
Secretary of Natural Resources

5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2009
www.deq.virginia.gov

David K. Paylor
Director

Craig R. Nicol
Regional Director

September 29, 2017

Mr. Julian H. Lipscomb, Jr.
Environmental Manager
Branscome Incorporated
432 McLaws Circle
Williamsburg, Virginia 23185

Location: Chesapeake
Registration No.: 61334

Dear Mr. Lipscomb:

Attached is a permit to construct and operate a concrete batch plant at Branscome Incorporated – Dominion Plant in Chesapeake, Virginia in accordance with the provisions of the Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

This permit approval to construct and operate shall not relieve Branscome Incorporated of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact the Tidewater Regional Office at 757-518-2000.

Sincerely,



Craig R. Nicol
Regional Director

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Attachments: Permit

Cc: Manager, Data Analysis (electronic file submission)
Manager/Inspector, Air Compliance



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Article 6

STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Branscome Incorporated
432 McLaws Circle
Williamsburg, Virginia 23185
Registration No.: 61334

is authorized to construct and operate

a concrete batch plant

located at

124 Sampson Creek Road
Chesapeake, Virginia 23322

in accordance with the Conditions of this permit.

Approved on: Sept 29, 2014


Craig R. Nicol

Permit consists of **5** pages.
Permit Conditions 1 to 18.

INTRODUCTION

This permit approval is based on the permit application dated June 9, 2017 and supplemental information dated June 14, 2017 and June 16, 2017. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action. In addition, this facility may be subject to additional applicable requirements not listed in this permit.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-10-20 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses () after each condition.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ or the Board for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

EQUIPMENT LIST – Equipment at this facility consists of:

Equipment to be Constructed:			
Reference No.	Equipment Description	Rated Capacity	Federal Requirements
BP-1	CON-E-CO LoPro 427 Concrete Batch Plant	200 tons/hour	None
S-1	Cement storage silo	200 tons	None
S-2	Supplement storage silo	200 tons	None

Specifications included in the above table are for informational purposes only and do not form enforceable terms or conditions of the permit.

1. **Emissions Controls** – Particulate emissions shall be controlled as follows:

Emission source	Control
Silos	Bin Vent Filters
Weigh Hopper	Bin Vent Filter
Truck Load-Out	a) A chute that extends into truck hopper to convey materials; b) Protection from winds using enclosure(s); and c) A water ring

The controls listed in the table above shall be provided with adequate access for inspection and maintenance and shall be properly functioning when the process is in operation. The chute and enclosure(s) shall be maintained in good condition without tears or holes.
 (9VAC5-50-30(F) and 9VAC5-80-1180)

2. **Fugitive Dust and Fugitive Emissions Controls** – Fugitive dust and fugitive emissions controls shall include:
- Use of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, grading of roads, or clearing of land.
 - Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; paving of roadways, and maintenance of roadways in a clean condition.
 - Installation and use of fabric or bin vent filters to enclose and vent the handling of dusty materials.
 - Open equipment for conveying or transporting materials likely to create objectionable air pollution when airborne shall be covered, or treated in an equally effective manner at all times when in motion.
 - Dust from material handling, other dust sources, and load-outs, shall be controlled by wet suppression or equivalent. The wet suppression spray systems shall be operated at optimum design. Pressure gauges or flow meters shall be installed with adequate access for inspection to indicate system operating pressures or flow rates.
 - Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. These measures shall include: trucks leaving the site shall have clean wheels achieved by use of a wheel washer or equivalent. Dirt, product, or raw material spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.
(9VAC5-50-90, 9VAC5-80-1180 and 9VAC5-50-260)
3. **Monitoring Visible Emissions** – All bin vent filters and fugitive emission sources shall be observed visually once per day, when in operation to determine if there are any visible emissions. The presence of visible emissions shall indicate the need for prompt corrective action. The permittee shall keep a log of the observations. The log shall include the name of the observer, the date and time of the observations, the stack being observed, the presence of visible emissions or lack thereof, and the date and time of corrective actions taken whenever visible emissions were observed.
(9VAC5-80-1180)

OPERATING LIMITATIONS

4. **Production** – The production of concrete shall not exceed 75,000 cubic yards per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9VAC5-80-1180 and 9VAC5-50-260)

EMISSION LIMITS

5. **Facility Wide Emission Limits** – The emissions from the concrete batch plant (Unit Ref. No. BP-1) shall not exceed the limits specified below:

<u>Total combined:</u>	
PM	1.38 tons/year

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determine as stated in Conditions 1, 2, 3, and 4.
(9VAC5-80-1180 and 9VAC5-50-260)

6. **Visible Emission Limit** – Visible emissions from each bin vent filter exhaust stack shall not exceed five percent (5%) opacity as determined by the EPA Method 9 (reference 40 CFR 60 Appendix A).
(9VAC5-80-1180 and 9VAC5-50-260)

RECORDS

7. **On Site Records** – The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional office. These records shall include, but are not limited to:
- Annual production of concrete in cubic yards per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - Visible emissions records as required in Condition 3.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9VAC5-80-1180 and 9VAC5-50-50)

8. **Emissions Testing** - The concrete batch plant (Unit Ref. No. BP-1) shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. This includes constructing the facility/equipment such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and providing a stack or duct that is free from cyclonic flow. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.
(9VAC 5-50-30(F) and 9VAC5-80-1180)

NOTIFICATIONS

9. **Initial Notifications** - The permittee shall furnish written notification to the Tidewater Regional Office of:
- The actual date on which construction of the concrete batch plant (Unit Ref. No. BP-1) commenced within 30 days after such date.
 - The anticipated start-up date of the concrete batch plant (Unit Ref. No. BP-1) postmarked not more than 60 days nor less than 30 days prior to such date.
 - The actual start-up date of the concrete batch plant (Unit Ref. No. BP-1) within 15 days after such date.
(9VAC5-50-50 and 9VAC5-80-1180)

GENERAL CONDITIONS

10. **Permit Invalidation** – This permit to construct the concrete batch plant (Unit Ref. No. BP-1) shall become invalid, unless an extension is granted by the DEQ, if:
- A program of continuous construction is not commenced within 18 months from the date of this permit.
 - A program of construction is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of the phased construction of a new stationary source or project.
(9VAC5-80-1210)
11. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:
- Knowingly makes material misstatements in the permit application or any amendments to it;
 - Fails to comply with the conditions of this permit;
 - Fails to comply with any emission standards applicable to a permitted emissions unit;
 - Causes emissions from the stationary source which result in violations of, or interfere with the attainment and maintenance of, any ambient air quality standard; or

- e. Fails to operate in conformance with any applicable control strategy, including any emission standards or emissions limitations, in the State Implementation Plan in effect at the time an application for this permit is submitted.

(9VAC5-80-1210(G))

12. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
- b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
- c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
- d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9VAC5-170-130 and 9VAC5-80-1180)

13. **Maintenance/Operating Procedures** – At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

(9VAC5-50-20(E) and 9VAC5-80-1180(D))

14. **Record of Malfunctions** – The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.

(9VAC5-20-180(J) and 9VAC5-80-1180(D))

15. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Tidewater Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour. Such notification shall be made no later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within 14 days of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Tidewater Regional Office.

(9VAC5-20-180(C) and 9VAC5-80-1180)

16. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

(9VAC5-20-180(I) and 9VAC5-80-1180)

17. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current minor NSR permit issued to the previous owner. The new owner shall notify the Tidewater Regional Office of the change of ownership within 30 days of the transfer.

(9VAC5-80-1240)

18. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.

(9VAC5-80-1180)