



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE:

A Materials Group
P.O. Box 1829
Lake City, FL 32056

Air Permit Number: 0230039-008-AO
Issue Date: February 9, 2012
Expiration Date: February 9, 2017

Authorized Representative:
Brian P. Schreiber, Vice President

A Materials Group
Non-Title V Air Operation Permit
AO Renewal

PROJECT AND LOCATION

This is the air operating permit renewal, which authorizes the continued operation of A Materials Plant #11 Concrete Batching Plant (EU001) for A Materials Group.

The facility is a Concrete Batch Plant (Standard Industrial Classification No. 3273) currently operating at 871 NW Guerdon Street, Lake City, Columbia County, Florida 32055.
The UTM coordinates are Zone 17, 341.3 km East; and 3343.6 km N.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

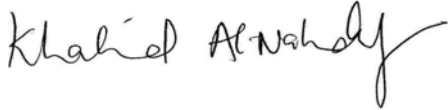
Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution operation permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to operate the facility in accordance with the conditions of this permit.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

AIR OPERATION PERMIT

Executed in Jacksonville, Florida.



Khalid Al-Nahdy, P. E.
District Air Program Administrator

2/9/2012
Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Notice and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on February 9, 2012, to the persons listed below.

Brian P. Schreiber, Anderson Columbia Co., Inc. (brians@andersoncolumbia.com)

Scott Cleveland, Anderson Columbia Co., Inc. (scott.cleveland@andersoncolumbia.com)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date,
pursuant to Section 120.52(7), Florida Statutes, with the
designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)

2/9/2012
(Date)

SECTION 2. ADMINISTRATIVE REQUIREMENTS

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The concrete batch plant consists of a split silo (has two compartments). A separate baghouse manufactured by WAMGroup (WAM FC3 J250) controls emissions generated during the filling of each compartment of the split silo. A separate dust collector manufactured by Con-E-Co (PJ-980) controls emissions from the drop point where the cement, aggregate and sand drop into the truck.

Emissions Units(s) are identified as follows:

Emissions Unit 001: Concrete Batch Plant

Emission Point 01: Truck Drop Point with Con-E-Co Dust Collector

Emission Point 02: Silo Compartment with WAMGroup SiloTop Dust Collector

Emission Point 03: Silo Compartment with WAMGroup SiloTop Dust Collector

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Florida Department of Environmental Protection (Department). The mailing address is 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to this District office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Florida Department of Environmental Protection (Department). The mailing address is 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to this District office.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions;
 - d. Appendix D. Common Testing Requirements
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Application for Non Title V Permit Renewal: This permit authorizes operation of the permitted emissions units. The permittee shall apply for a Non-Title V air operation permit renewal (DEP Form No. 62-210.900(4), F.A.C.) at least 60 days prior to expiration of this permit. To apply for a Non-Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, F.A.C.]
8. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
9. The I.D. No. and Project name for this source shall be used on all correspondence.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)
EU 001 Concrete Batch Plant

The following specific conditions apply to the Emissions Unit and points listed below:

EU No. 001	Concrete Batch Plant
EP No.	Description
01	Weigh Hopper/Truck Drop Point. PM generated during the dropping of cement, aggregate, and sand into the mixing truck shall be controlled with a Con-E-Co Dust Collector, Model No. PJ-980 (66 bags). Nominal air flow is 5880 acfm. The design static pressure drop across the baghouse is 8 inches of water. Removal efficiency is estimated to be 99.9%.
02	Silo Compartment (Cement Storage). PM generated during the pneumatic loading of cement into the silo compartment shall be controlled with a WAMGroup SiloTop Dust Collector, Model No. WAM FC3 J250 (7 cartridges). Nominal air flow is 1584 acfm Removal efficiency is estimated to be 99.9%.
03	Silo Compartment (Fly Ash Compartment). PM generated during the pneumatic loading of fly ash into the silo compartment shall be controlled with a WAMGroup SiloTop Dust Collector, Model No. WAM FC3 J250 (7 cartridges). Nominal air flow is 1584 acfm Removal efficiency is estimated to be 99.9%.

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

- Hours of Operation:** The hours of operation are restricted to 12 H/D; 6 D/W; 52 W/Y and 3744 H/Y.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.; and Permit No. 0230039-005-AC]
- Permitted Capacity:** The maximum concrete production rate shall not exceed 200 cubic yards per hour and 2400 cubic yards per day without prior Department approval.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C. ; and Permit No. 0230039-005-AC]

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

{Permitting Note: Unless otherwise specified, the averaging times for these conditions are based on the specified averaging time of the applicable test method.}

- Emission Limits:** Stack emissions. Emissions from the silos, weigh hopper, mixer, and other enclosed storage and conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5 percent opacity.

Emission Point	Emission Limit	Rule
01	5% Opacity	62-296.414(1), F.A.C.
02		
03		

[Rule 62-296.414(1), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)
EU 001 Concrete Batch Plant

4. **Unconfined Emissions:** The owner or operator shall take reasonable precautions to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards as required by Rule 62-296.320(4)(c), F.A.C. For concrete batching plants the following shall constitute reasonable precautions:
- (a) Management of roads, parking areas, stockpiles, and yards, which shall include one or more of the following:
 - 1. Paving and maintenance of roads, parking areas, and yards.
 - 2. Application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions.
 - 3. Removal of particulate matter from roads and other paved areas under control of the owner or operator to mitigate reentrainment, and from building or work areas to reduce airborne particulate matter.
 - 4. Reduction of stockpile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stockpiles.
 - (b) Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.
- [Rule 62-296.414(2), F.A.C.]
5. **Control Equipment.** Control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-4.070(3), FAC.]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

6. **Compliance Test Frequency:** The owner or operator shall demonstrate compliance with the visible emissions limit for each dust collector exhaust point of the concrete batch plant annually.
[Rule 62-296.414(4)(b), F.A.C.]
7. **Compliance Test Methods:** The reference test method for visible emissions shall be EPA Method 9, as described at 40 CFR, Part 60, Appendix A, adopted and incorporated by reference at Rule 62-204.800, F.A.C. Test procedures shall conform to the procedures specified in Rule 62-297.310, F.A.C.
[Rule 62-296.414(3)(a)&(b), F.A.C.]
8. **Operation During Compliance Test (Silos):** The permittee shall conduct visible emissions testing while loading the silo at a rate that is representative of the normal silo loading rate. The minimum loading rate shall be 25 tons and occur in less than one hour. If emissions from the weigh hopper (batcher) operation are also controlled by the silo dust collector, the batching operation shall be in operation during the visible emissions test. The batching rate during the emissions test shall be representative of the normal batching rate and duration. Each test report shall state the actual silo loading rate during emissions testing and, if applicable, whether or not batching occurred during emissions testing.
[Rule 62-296.414(3)(c), F.A.C.]
9. **Operation During Compliance Test (Weigh Hopper):** If emissions from the weigh hopper (batcher) operation are controlled by a dust collector which is separate from the silo dust collector, visible emissions test of the weigh hopper (batcher) dust collector exhaust point shall be conducted while batching at a rate that is representative of the normal batching rate and duration. Each test report shall state the actual batching rate during emissions testing.
[Rules 62-296.414(3)(d), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)
EU 001 Concrete Batch Plant

RECORDKEEPING, REPORTING AND NOTIFICATION REQUIREMENTS

10. **Operation and Maintenance Plan:** The permittee shall comply with the conditions of the Operation and Maintenance Plan for each of the dust collector systems.

[Rule 62-4.070(3), FAC]

11. **Operating Hours:** The owner/operator shall maintain records of the operating hours of this emission unit on a monthly basis. Records of this information shall be provided upon request of the Department.

[Rule 62-4.070(3), FAC]