



Florida Department of Environmental Protection

Central District
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Orlando, Florida 32803-3767

Charlie Crist
Governor

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Lt. Governor

Mimi A. Drew
Secretary

FINAL PERMIT

Electronically Sent- Received Receipt Requested
brians@andersoncolumbia.com

PERMITTEE

Anderson Columbia Co., Inc.
P.O. Box 1829
Lake City, FL 32056

Authorized Representative:
Mr. Brian Schreiber, Secretary

Air Permit No. 0830135-006-AC
Permit Expires: October 30, 2011
Site Name: ACCI Plant No. 8
Synthetic Minor Source
Air Construction Permit
Project Name: Add Crusher

This is the final air construction permit, which authorizes the construction/installation (may utilize at the site) of a 250 tons/hour portable crusher to process recycled asphalt product (RAP) at the existing hot mix asphalt plant site. Additionally, the permittee is authorized to use a diesel engine/power generator for the crusher at the site. Fugitive emissions from the crusher will be controlled by water misting. The proposed work will be conducted at the Anderson Columbia Co., Inc. Plant No. 8, which is a Drum Mix Asphalt Plant (Standard Classification No. 29). The facility is located in Marion County at 800 N.W. 22nd Street in Ocala, Florida. The UTM coordinates are Zone 17, 389.51 km East, and 3231.33 km North.

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 permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 63-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

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.

Executed in Orange County, Florida

 12/23/10

Caroline D. Shine

Effective Date

District Air Program Administrator
Central District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permit and the Appendices) 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 12/23/10, to the persons listed below.


Mr. Brian Schreiber, Secretary, Anderson Columbia (brians@andersoncolumbia.com).

Mr. Scott Cleveland, Environmental Manager, Anderson Columbia (scottc@andersoncolumbia.com)

Mr. E. Tony Williams, Jr., P.E., Anderson Columbia (tonyw@andersoncolumbia.com)

Clerk Stamp

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

 12/23/10
Clerk Date

JR/ta

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

FACILITY AND PROJECT DESCRIPTION

Anderson Columbia Co., Inc. Plant No. 8

The facility is a hot mix asphalt plant.

The existing facility consists of the following emissions units.

Facility ID No. 0830135	
ID No.	Emissions Unit Description
002	Hot Mix Asphalt Plant No. 8

Project Description and Proposed Emission Units

The purpose of this project is to allow a portable crusher to operate at this facility to process recycled asphalt product (RAP) that is brought back to the plant for reuse in the asphalt mixes. It is anticipated that a crusher would be utilized periodically when needed. Any crusher used at this facility would process a valid Air General Permit.

This project will add the following emission unit.

Facility ID No. 0830135	
ID No.	Emissions Unit Description
003	250 tons/hour Portable Crusher and diesel engine/power generator

NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

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.
- The facility is a synthetic minor source for particulate matter (PM) and sulfur dioxide (SO₂).
- The Hot Mix Asphalt Plant is regulated under New Source Performance Standards (NSPS) - 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities. The crusher is regulated under New Source Performance Standards (NSPS) - 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants. The diesel engine/power generator for the crusher is regulated under New Source Performance Standards (NSPS) - 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The Drum Mix Asphalt Plant, crusher, and diesel engine/power generator are regulated under 40 CFR 60, Subpart A, General Provisions, where applicable.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District Office. The Central District Office's mailing address and phone number is:

Florida Department of Environmental Protection
Central District Office
Air Resource Management Section
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767
Telephone: 407-893-3333

All documents related to applications for permits to operate an emissions unit shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Office's Air Resource Management Section (see above mailing address and phone number).
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; and
 - d. Appendix D. Common Testing Requirements.
 - e. Appendix E. NSPS- 40 CFR 60, Subpart A, General Provisions
 - f. Appendix F. NSPS- 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities
 - g. Appendix G. NSPS- 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants
 - f. Appendix H. NSPS- 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
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.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.
[Rule 62-210.370(3), F.A.C.]
8. Operation Permit Renewal/Revision Application: This permit authorizes construction or modification of the permitted emissions unit(s) and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit(s).

[Permitting Note: The application for the operation permit has already been submitted to the Department]

[Rules 62-4.030, 62-4.050, and 62-4.220, F.A.C.]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Facility-Wide Specific Conditions and Hot Mix Asphalt Plant

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description
002	Hot Mix Asphalt Plant. The plant is manufactured by Astec Industries, Inc. and is a model RBH-67. Particulate emissions are controlled with a primary inertial collector followed by a baghouse with an air to cloth ratio of 5.4 to 1. The overall particulate matter (PM) collection efficiency is approximately 99 percent. The plant has an asphalt heater.

PERFORMANCE RESTRICTIONS

- A.1. Permitted Capacity: The process rates shall not exceed 0.500 million tons of virgin or recycle mix asphalt product per any consecutive 12-month period.
[Rules 62-210.200, F.A.C. - Definitions - (PTE), 62-210.300(3)(c)2., and 62-4.070(3), F.A.C.]
- A.2. Permitted Fuel Consumption: Total fuel oil consumption for the facility shall not exceed 1.2 million gallons in any consecutive 12-month period of the combination of new (virgin) no. 2 through new (virgin) no. 6 fuel oils (1.0 percent maximum sulfur) or on-specification used fuel oil (1.0 percent maximum sulfur).
[Rules 62-210.200, F.A.C. - Definitions - (PTE), 62-210.300(3)(c)2., and 62-4.070(3), F.A.C.]
- A.3. Authorized Fuel: The burner for the hot mix asphalt plant is permitted to use natural gas, propane, new (virgin) no. 2 through new (virgin) no. 6 fuel oils, and on-specification used fuel oil only. The maximum sulfur content of the fuel oil consumed by the main rotary dryer burner shall not exceed 1.0 percent by weight.
[Rules 62-210.200, F.A.C. - Definitions - (PTE), 62-210.300(3)(c)2., and 62-4.070(3), F.A.C.]
- A.4. Restricted Operation: The hours of operation of the drum mix asphalt are not limited.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]
- A.5. Restricted Operation: The following used oil specifications are applicable. Used oil within the allowable levels is "on-specification" and used oil exceeding any allowable level is "off-specification."

Arsenic	5 ppm maximum	Test Methods used in EPA SW-846
Cadmium	2 ppm maximum	Test Methods used in EPA SW-846
Chromium	10 ppm maximum	Test Methods used in EPA SW-846
Lead	100 ppm maximum	Test Methods used in EPA SW-846
Flash Point	100° F minimum	Test Methods used in EPA SW-846
Total Halogens	4,000 ppm maximum*	Test Methods used in EPA SW-846
PCB	< 50 ppm	Test Methods used in EPA SW-846

* Used oil containing between 1,000 and 4,000 ppm of total halogens is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste and cannot be utilized unless the applicant first rebuts this presumption by demonstrating that Used Oil

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Facility-Wide Specific Conditions and Hot Mix Asphalt Plant

does not contain hazardous waste and receives written approval from the Department. [Rule 62-710.210(3), F.A.C.; 40 CFR Part 279.11]

A.6. Restricted Operation: When used oil is fired the facility must operate in compliance with all applicable regulations and Department policy including the requirements of Rule 62-710, F.A.C. and 40 CFR Part 279, Subparts D and E and any new regulations subsequently adopted, and the following conditions shall apply:

- a. Each time used oil is transferred to the facility storage tank a sample of used oil to be burned shall be analyzed for arsenic, chromium, cadmium, total halogens, PCB, flash point, and lead using EPA/DEP or ASTM approved methods prior to being fired. Alternately, the used oil vendors' analysis for the referenced parameters may be utilized to satisfy this condition. Results of the used oil sampling and analysis shall be retained on site for a three-year period.
- b. The total quantity of used oil burned during each calendar year, on a monthly basis, shall be included in the Annual Operations Report for Air Emissions Sources.
- c. The firing of used oil which contains PCB at concentrations greater than 2 ppm and less than 50 ppm is regulated by 40 CFR 761. The source cannot fire used oil which contains PCB concentrations in this range during startup or shutdown in accordance with 40 CFR 761.20(e)(3), and the source must submit to this office a copy of the written notice described in 40 CFR 761.20(e)(3)]. [Rule 62-4.070, F.A.C.]

EMISSIONS LIMITS AND STANDARDS

A.7. Emissions Limits: On and after the date on which the performance test required to be conducted is completed, no owner or operator subject to the provisions of 40 CFR Part 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facility shall discharge or cause the discharge into the atmosphere from any affected facility any gases which:

- a. Contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).
- b. Exhibit 20 percent opacity, or greater

[40 CFR Part 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facility]

A.8. Reasonable Precautions of Unconfined Emissions of Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter (PM). These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial-related activities such as loading, unloading, storing, and handling. Reasonable precautions to be taken shall include, but not be limited to the following:

- a. Paving and maintenance of roads, parking areas, and yards;
- b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing;

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Facility-Wide Specific Conditions and Hot Mix Asphalt Plant

- c. Application of asphalt, water, oil, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities;
- d. Removal of PM from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from building(s) or work areas to prevent particulate from becoming airborne;
- e. Landscaping or planting of vegetation;
- f. Sprinkling with water shall be used as necessary on paved areas, unpaved areas, stockpiles, and during loading/unloading operations;
- g. Prevent emissions from material handling by a loader shall be achieved by reducing the material freefall as the bucket dumps the aggregate. Drop heights shall be minimized from conveyors and screens; and
- h. Water shall be applied to the crusher and transfer points, as necessary, to reduce unconfined PM. If operating experience indicates that these reasonable precautions are not sufficient to control unconfined PM emissions, the Department reserves the right to require additional measures.
[Rules 62-4.070(3), 62-210.300(3)(c)2.e., and 62-296.320(4)(c), F.A.C.; Construction Permit]

TESTING REQUIREMENTS

- A.9. Compliance Tests: The drum mix asphalt plant shall be tested for particulate emissions and concurrently for visible emissions to determine compliance with the Standard for Particulate Matter in 40 CFR Part 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities annually during each fiscal year (Oct. 1 – Sept. 30). [Rule 40 CFR 60.8 and Rules 62-4.070(3) and 62-297.310(7)(b)4., F.A.C.]
- A.10. Test Requirements: The permittee shall notify the Compliance Authority at least 15 days prior to any required tests. The permittee shall indicate the date, time, and place of such tests, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9., F.A.C.]
- [Permitting Note: The notification should also include the relevant emission unit ID No(s), test method(s) to be used, and pollutants to be tested.]**
- A.11. Test Methods: EPA Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
[40 CFR 60.93 (b)(1) and Rule 62-297.401, F.A.C.]
- A.12. Test Methods: EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity. EPA Method 9 shall be conducted for thirty minutes or the length of the batch/cycle if less than 30 minutes. [40 CFR 60.93(b)(2) and Rule 62-297.401 F.A.C.]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Facility-Wide Specific Conditions and Hot Mix Asphalt Plant

- A.13. Test Methods: Required tests shall be performed in accordance with the following reference methods.

EPA Method	Description of Method
EPA 5	Determination of Particulate Emissions from Stationary Sources
EPA 9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

- A.14. The drum mix asphalt plant is subject to the provisions of 40 CFR Part 60, Subpart A - General Provisions, the complete text of which is provided in Appendix E of this permit. The conditions are incorporated
- A.15. The drum mix asphalt plant is subject to the provisions of 40 CFR Part 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities, the complete text of which is provided in Appendix F of this permit.
- A.16. The maximum operating rate for the drum mix asphalt plant is 450 tons per hour. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]
- A.17. The stack sampling facility must comply with Rule 62-297.310(6), F.A.C., regarding minimum requirements that include but are not limited to: location of sampling ports, work platform area hand rails and toe rails, caged ladder, access and electrical power.
- A.18. A differential pressure gauge is required to measure the pressure drop across the baghouse, a minimum of 10 days before the stack test is performed. [Rule 62-297.310(5), F.A.C.]

MONITORING REQUIREMENTS

- A.19. The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using ASTM methods ASTM D4057-88 and one of ASTM D2622-94, ASTM D4294-98, ASTM D1552-95 or

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Facility-Wide Specific Conditions and Hot Mix Asphalt Plant

ASTM D129-91 or more recent editions adopted and incorporated by reference in Rule 62-297.440(1), F.A.C. Alternately, after written notification to and approval by the Department, the permittee may use other DEP Air Program-approved methods, i.e. alternate sampling procedures, for sulfur in petroleum products.

[Rule 62-4.070, F.A.C.]

- A.20. The permittee shall maintain records to demonstrate that the sulfur content, by weight, of each shipment of new and on-spec used oil is 1.0 percent or less and that the sulfur content was determined in accordance with the methods listed specific condition A.19. of this permit.

[Rule 62-4.070, F.A.C.]

- A.21. In order to demonstrate compliance with specific condition numbers A.2, A.3, and A.5. of this permitting section (Section 3.A. Facility-Wide Specific Conditions and Hot Mix Asphalt Plant); and general condition number 14.c. as specified in Appendix B (General Conditions) of this permit, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log shall contain the following:

Monthly

- a. Facility Name, Facility ID No. (i.e., 0830135);
- b. Month and year of record;
- c. consecutive 12-month total of the amount of asphalt product (tons) from the hot mix asphalt plant;
- d. consecutive 12-month total of the amount of fuel combusted at the facility*; and
- e. the sulfur content of the fuel oil fired; and
- f. fuel records relating to general condition number 14.c. in Appendix B (General Conditions).

*Includes fuel used by the burner for the hot mix asphalt plant and no. 2 diesel fuel used by the diesel engine/power generator.

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities or emission units that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month.

[Rule 62-4.070(3), F.A.C.]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Facility-Wide Specific Conditions and Hot Mix Asphalt Plant

- A.22. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. For each test run, the report shall also indicate the information listed in Rules 62-297.310(8)(c)6., 12., 18., and 19., F.A.C. [Rule 62-297.310(8), F.A.C.]
- A.23. Annual Operating Report: An Annual Operating Report is required to be completed and submitted for this facility as specified in Appendix C (Common Conditions) of this permit. This facility is classified as a synthetic non-Title V source. [Rule 62-210.370(3), F.A.C.]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 003 - 250 tons/hour Portable Crusher and diesel engine/power generator

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description
003	250 tons/hour Portable Crusher and diesel engine/power generator Emission Sources from crushing involve the following: Crushing, Screening, and Conveying RAP from screen. Dust will be controlled by water misting, if needed

EQUIPMENT

- B.1. Equipment Name: The permittee is authorized to install/construct (may utilize at the site) a 250 tons/hour Portable Crusher using water misting to control particulate emissions. Additionally, the permittee is authorized to use a diesel engine/power generator for the crusher at the site.

PERFORMANCE RESTRICTIONS

- B.2. Permitted Capacity: The process rates shall not exceed 250 tons/hour and 200,000 tons per any consecutive 12-month period of recycle asphalt pavement.
[Rules 62-210.200, F.A.C. - Definitions - (PTE), 62-210.300(3)(c)2., and 62-4.070(3), F.A.C.]
- B.3. Permitted Fuel Consumption: Total fuel oil consumption for the crusher shall not exceed 1.2 million gallons per any consecutive 12-month period of diesel fuel.
[Rules 62-210.200, F.A.C. - Definitions - (PTE), 62-210.300(3)(c)2., and 62-4.070(3), F.A.C.]
- B.4. Authorized Fuel: The crusher is permitted to use no. 2 diesel fuel only. The maximum sulfur content of the fuel oil consumed by the crusher shall not exceed 1.0 percent by weight.
[Rules 62-210.200, F.A.C. - Definitions - (PTE), 62-210.300(3)(c)2., and 62-4.070(3), F.A.C.]
- B.5. Restricted Operation: The hours of operation are not limited.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS LIMITS AND STANDARDS

- B.6. Federal Regulatory Requirements: The Portable Crusher is subject to the provisions of 40 CFR Part 60, Subpart A - General Provisions (see Appendix E) and 40 CFR Part 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants (see Appendix G). The diesel engine/power generator for the crusher is regulated under New Source Performance Standards (NSPS) - 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (see Appendix H). The conditions are incorporated into this permit (attached and part of this permit).
[Rule 62-204.800(8), F.A.C.]

[Permitting Note: If a 350 HP (maximum) diesel engine/power generator is used and if it was manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005, it will

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 003 - 250 tons/hour Portable Crusher and diesel engine/power generator

be subject to the requirements of 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. As long as the permittee operates and maintains the engine according to the manufacturer's instruction or procedures over the entire life of the engine and the manufacturer keeps its certification, diesel engine/power generator is not required to demonstrate compliance with emission limits.]

- B.7. Emissions Limits: The visible emissions from the crusher and screener shall not exceed the appropriate opacities specified in 40 CFR Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants:
- a. Stack emissions from any crusher, grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading station, or any other affected emission point subject to 40 CFR Part 60, Subpart OOO, adopted and incorporated by reference at Rule 62-204.800, F.A.C., shall not contain particulate matter in excess of 0.05 grams per dry standard cubic meter (g/dscm) nor exceed 7 percent opacity, unless the stack emissions are discharged from a wet scrubbing control device.
 - b. Stack emissions from any baghouse that controls emissions from only an individual, enclosed storage bin subject to 40 CFR Part 60, Subpart OOO, adopted and incorporated by reference at Rule 62-204.800, F.A.C., shall not exceed 7 percent opacity.
 - c. Visible emissions from any grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railroad car loading station, or any other affected emission point subject to 40 CFR Part 60, Subpart OOO, adopted and incorporated by reference at Rule 62-204.800, F.A.C., shall not exceed 10 percent opacity; and visible emissions from any crusher without a capture system subject to 40 CFR Part 60, Subpart OOO, shall not exceed 15 percent opacity.
 - d. If any crusher, grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed track or railroad car loading station, or any other emission point subject to 40 CFR Part 60, Subpart OOO, adopted and incorporated by reference at Rule 62-204.800, F.A.C., is enclosed in a building, then each enclosed emission point must comply with the emission limits in Rule 62-210.300(4)(c)5.e.(i) through (iii), F.A.C., or the building enclosing the emission point(s) shall not discharge any visible fugitive emissions, except emissions from a vent, and the vent emissions shall not exceed the stack emissions limits of Rule 62-210.300(4)(c)5.e.(i), F.A.C.
 - e. Visible emissions from any crusher, grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading station, or any other emission point not subject to 40 CFR Part 60, Subpart OOO, shall be less than 20 percent opacity, pursuant to Rule 62-296.320(4)(b)1., F.A.C.
 - f. Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher subject to 40 CFR Part 60, Subpart OOO, adopted and incorporated by reference at Rule 62-204.800, F.A.C., is exempt from the emissions standards of Rule 62-210.300(4)(c)5.e., F.A.C. [Rules 62-210.300(4)(c)e.(i),(ii),(iii),(iv),(v), and (vi) F.A.C.]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 003 - 250 tons/hour Portable Crusher and diesel engine/power generator

- B.8. Unconfined Emissions: The owner or operator shall comply with paragraph 62-296.320(4)(c), F.A.C., using the following reasonable precautions:
- a. Unconfined emissions that might be generated from various activities throughout a nonmetallic mineral processing plant processing dry material shall be controlled by using a water misting system located at the crusher(s), the scalping screens, and the size screening points.
 - b. Unconfined emissions that might be generated by vehicular traffic or wind shall be controlled by applying water (by water trucks equipped with spray bars) or effective dust suppressant(s) on a regular basis to all stockpiles, roadways and work-yards where this nonmetallic mineral processing plant is located.
[Rules 62-210.300 (4)(c)5.d.(i) and (ii), F.A.C.]
- B.9. Reasonable Precautions of Unconfined Emissions of Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter (PM). These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial-related activities such as loading, unloading, storing, and handling. Reasonable precautions to be taken shall include, but not be limited to the following:
- a. Paving and maintenance of roads, parking areas, and yards;
 - b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing;
 - c. Application of asphalt, water, oil, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities;
 - d. Removal of PM from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from building(s) or work areas to prevent particulate from becoming airborne;
 - e. Landscaping or planting of vegetation;
 - f. Sprinkling with water shall be used as necessary on paved areas, unpaved areas, stockpiles, and during loading/unloading operations;
 - g. Prevent emissions from material handling by a loader shall be achieved by reducing the material freefall as the bucket dumps the aggregate. Drop heights shall be minimized from conveyors and screens; and
 - h. Water shall be applied to the crusher and transfer points, as necessary, to reduce unconfined PM. If operating experience indicates that these reasonable precautions are not sufficient to control unconfined PM emissions, the Department reserves the right to require additional measures.
[Rules 62-4.070(3), 62-210.300(3)(c)2.e., and 62-296.320(4)(c), F.A.C.; Construction Permit 0830135-006-AC]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 003 - 250 tons/hour Portable Crusher and diesel engine/power generator

TESTING REQUIREMENTS

- B.10. Compliance Tests: Visible Emissions testing shall be conducted **within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup at the site**, at each emissions point of the portable crusher to determine compliance with the Standard for Particulate Matter in 40 CFR Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants. [Rule 40 CFR 60.8 and Rules 62-4.070(3) and 62-297.310(7)(a)3., F.A.C.]
- B.11. Test Methods: EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity. EPA Method 9 shall be conducted for thirty minutes or the length of the batch/cycle if less than 30 minutes. [40 CFR 60.93(b)(2) and Rule 62-297.401 F.A.C.]
- B.12. Test Methods: Required tests shall be performed in accordance with the following reference methods.

EPA Method	Description of Method
EPA 9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is described in Appendix A of 40 CFR 60 and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

- B.13. The maximum operating rate for the crusher is 250 tons/ hour of product. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

NOTIFICATION REQUIREMENTS

- B.14. Test Requirements: The permittee shall notify the Compliance Authority at least 15 days prior to any required tests. The permittee shall indicate the date, time, and place of such tests, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9., F.A.C.]

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{Permitting Note: The notification should also include the relevant emission unit ID No(s), test method(s) to be used, and pollutants to be tested.}

- B.15. **Notification of Operation Commencement:** The permittee shall notify the Compliance Authority **in writing** of the date of commencing operation (initial startup) of the crusher and diesel engine/power generator at the site, no later than five (5) business days after that date. Commencing operation means setting into operation of any emissions unit for any purpose. [Rules 62-4.070 and 62-210.200(Definition of Commence Operation)], F.A.C.]

MONITORING REQUIREMENTS

- B.16. The fuel sulfur content, percent by weight, for liquid fuels shall be evaluated using ASTM methods ASTM D4057-88 and one of ASTM D2622-94, ASTM D4294-98, ASTM D1552-95 or ASTM D129-91 or more recent editions adopted and incorporated by reference in Rule 62-297.440(1), F.A.C. Alternately, after written notification to and approval by the Department, the permittee may use other DEP Air Program-approved methods, i.e. alternate sampling procedures, for sulfur in petroleum products.
[Rule 62-4.070, F.A.C.]
- B.17. In order to demonstrate compliance with specific condition numbers B.2, B.3, and B.4 of this permit section (Section 3.B. 250 tons/hour Portable Crusher and diesel engine/power generator); and general condition number 14.c. as specified in Appendix B (General Conditions) of this permit, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log shall contain the following:

Monthly

- a. Facility Name, Facility ID No. (i.e., 0830135);
- b. Month and year of record;
- c. consecutive 12-month total of the amount of recycled asphalt product (tons) processed by the crusher;
- d. the sulfur content of the fuel oil fired; and
- e. fuel records relating to general condition number 14.c. in Appendix B (General Conditions).

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities or emission units that have not been operating for 12 months

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 003 - 250 tons/hour Portable Crusher and diesel engine/power generator

should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month.

[Rule 62-4.070(3), F.A.C.]