



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RICK SCOTT
GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

June 12, 2013

FINAL PERMIT

PERMITTEE

D.A.B. Constructors, Inc.
62 West Highway 40
Inglis, FL 34449

Air Permit No. 0530357-007-AO
Permit Expires: **06/12/2013**
Site Name : Plant 2 – Spring Hill
Minor Air Operation Permit
Project Name: Operation Permit Renewal

Authorized Representative:
Ms. Debora A. Bachschmidt, President

This is the final permit to renew Air Operation Permit No. 0530357-006-AO for a drum mix asphalt plant at the Plant 2 (Spring Hill) facility (Standard Industrial Classification No. 2951). The facility is located in Hernando County at 3300 Northeast Parkway in Brooksville, Florida. The UTM coordinates are Zone 17, 358.53 km East, and 3151.55 km North.

This final permit is organized by the following sections:

- Section 1. General Information
- Section 2. Administrative Requirements and Facility-wide Specific Conditions
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Due to 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, 62-210, 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of

the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

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, 3900 Commonwealth Boulevard, Mail Station #35, 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 thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida

for David R. Zell June 12, 2013
Kelley M. Boatwright Effective Date
District Air Program Administrator
Southwest District

SECTION 1. GENERAL INFORMATION (FINAL)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

This facility operates a drum mix asphalt concrete plant. A portable reclaimed asphalt pavement crushing (RAP) system is brought on site occasionally to crush RAP into a smaller size. The existing facility consists of the following emissions units (EUs).

Facility ID No. 0530357	
EU ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant
003	Grinder/Crusher, Recycle Hopper & Feeder, Conveyor & Screen (Exempt)
005	Portable Reclaimed Asphalt Pavement (RAP) Crushing System

Project Description and Affected Emission Units

This project will renew the current operation permit and change the status of EU No. 003 - Grinder/Crusher, Recycle Hopper & Feeder, Conveyor & Screen to exempt. This project will also change the conditions of EU No. 005 - Portable Reclaimed Asphalt Pavement (RAP) Crushing System to include crushing systems that are subject to 40 CFR 60 Subpart OOO. This permit removes the maximum design capacity limit for the crusher and the fuel usage requirement for the engine(s) that power the crushing system since that restriction is included in the facility-wide fuel usage limit. This project will modify the following emissions units (EUs).

EU ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant
003	Grinder/Crusher, Recycle Hopper & Feeder, Conveyor & Screen (Exempt)
005	Portable Reclaimed Asphalt Pavement (RAP) Crushing System

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

Exempt Emission Units/Activities

An Asphalt Drum Mixers, Inc. 30 HP recycle lump breaker (grinder/crusher) used to grind/crush reclaimed asphalt to a desired size before use in the asphalt mix. This exempt emissions unit also includes an Asphalt Drum Mixers, Inc. recycle hopper and feeder, conveying, and screening operation used to screen reclaimed crushed asphalt to a desired size before entering the rotary drum of the asphalt plant.

[Rule 62-210.300(3)(b)1., F.A.C.]

(Permitting Note: This activity was previously identified as EU No. 003 - Grinder/Crusher, Recycle Hopper & Feeder, Conveying and Screening.)

SECTION 1. GENERAL INFORMATION (FINAL)

A hot oil heater (Model CEI-1500) which is rated at 2.0 MMBTU/hour output and is fired with new No. 2 fuel oil or natural gas. Fuel oils used to fire the hot oil heater must satisfy the facility-wide sulfur content limit of 1.0% or less by weight. The hot oil heater is used to heat two 20,000-gallon hot oil coiled vertical asphalt storage tanks and one 150 ton heated core surge system stationary silo.

[Rule 62-210.300(3)(a)(33), F.A.C.]

A 350 HP (maximum) diesel engine and 100 kW power generator. The engine is fired with new No. 2 fuel oil with a maximum sulfur content of 0.05% by weight. If any engine is or becomes subject to 40 CFR 60, Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines or 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, the affected engine(s) shall comply with all the limitations and requirements of that subpart.

[Rule 62-210.300(3)(a)35., F.A.C.]

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- 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 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400 (PSD), F.A.C.
- This facility is a synthetic non-Title V source for the pollutants particulate matter less than 10 microns (PM₁₀), sulfur dioxide (SO₂), carbon monoxide (CO) and hazardous air pollutants (HAPs). The emission limitations, restriction on hours of operation, restriction on the type or amount of material combusted, stored or processed in this permit will ensure that the facility's PM₁₀, SO₂, CO, and HAP emissions will be below the threshold for a Title V source.
- This facility is regulated under Rule 62-210.300(3)(c)2., F.A.C., Conditional Exemptions from Title V Permitting.
- The drum mix asphalt plant is regulated under New Source Performance Standards (NSPS) - 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities and the general provisions of 40 CFR 60, Subpart A, General Standards, where applicable.
- The portable RAP crushing system is regulated under NSPS - 40 CFR, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants, and the general provisions of 40 CFR 60, Subpart A, General Standards, where applicable.
- If an engine brought on site with the Portable RAP Crushing System (EU No. 005) remains on site for more than 12 consecutive months and was manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005, it will be subject to the requirements of Title 40, Code of Federal Regulations (CFR), 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 instructions or procedures over the entire life of the engine and the manufacturer keeps its certification, the engine is not required by the federal rule to demonstrate compliance with emission limits.
- If an engine brought on site with the Portable RAP Crushing System (EU No. 005) remains on site for more than 12 consecutive months, it is subject to Title 40, Code of Federal Regulations, Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal

SECTION 1. GENERAL INFORMATION (FINAL)

Combustion Engines. An engine is considered existing if construction or reconstruction of the engine commenced before June 12, 2006. An engine is considered new if it was constructed or reconstructed on or after June 12, 2006. A new engine must comply with 40 CFR 60, Subpart IIII (see previous bullet).

PERMIT HISTORY/AFFECTED PERMITS

This permit replaces Operation Permit No. 0530357-006-AO.

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC
CONDITIONS (FINAL)**

ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air Resource Management Section. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance and Enforcement Section - Attention: AIR. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the above address.

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;
- g. Appendix E. 40 CFR 60, Subpart A - General Provisions;
- e. Appendix F. 40 CFR 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities;
- f. Appendix G. 40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants; and
- h. Appendix H. RAP Crushing System Flow Diagram.

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

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC
CONDITIONS (FINAL)**

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 - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(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 Application - A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the applicant shall submit the following:
 - a. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*);
 - b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
 - c. copies of the most recent compliance test reports required by Specific Condition Nos. A.14., B.14. or B.15. if not previously submitted; and
 - d. copies of the most recent month of records/logs specified in Specific Condition Nos. A.15., A.16. and B.16. - B.18.

[Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC
CONDITIONS (FINAL)**

FACILITY-WIDE SPECIFIC CONDITIONS

9. Facility-Wide Fuel Usage - Facility-wide fuel oil consumption, including exempt sources, shall not exceed 1.2 million gallons in any consecutive 12-month period.
[Rule 62-210.300(3)(c)2.b., F.A.C.]
10. Asbestos Containing Materials – This facility shall **not** process Asbestos Containing Materials (ACM), whether regulated asbestos containing material (RACM), category I or category II, and whether friable or non-friable when received at the facility.
- a. "Asbestos" means the asbestiform varieties of serpentinite (chrysotile), riebeckite (crocidolite), cummingtonite-grunerite, anthophyllite, and actinolite-tremolite and includes trade acronyms products such as amosite.
 - b. "Asbestos-containing materials", ACM, means any materials which contain more than one percent asbestos as determined by Polarized Light Microscopy. Based on a representative composite sample.
 - c. "Asbestos removal project" means renovation or demolition operation in a facility that involves the removal of a threshold amount of regulated asbestos-containing material.
 - d. "Category I Non-friable Asbestos-Containing Material (ACM)" means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy.
 - e. "Category II Non-friable ACM" means any material, excluding Category I Non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- [40 CFR 61, Subpart M; Chapter 62-257, F.A.C.; Rules 62-204.800(10) and 62-701.520, F.A.C.]
11. Unconfined Emissions of Particulate Matter - See Appendix C., Condition 9. Additional reasonable precautions to prevent emissions of unconfined particulate matter at this facility shall include, but not be limited to the measures shown below.
- a. Paved parking and traffic areas shall be maintained and kept free of particulate matter.
 - b. Sprinkling with water shall be used as necessary on paved areas, unpaved areas, stockpiles and during loading and unloading operations.
 - c. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
 - d. Landscaping or planting of vegetation.
 - e. Water shall be applied to the crusher and transfer points, as necessary, to reduce unconfined PM.
- [Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.; Construction Permit No. 0530357-005-AC]
12. Fugitive Emissions Opacity Standard - In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate, all sources of unconfined particulate matter not subject to 40 CFR 60, Subpart OOO, should not exceed 10% opacity. Exceedance of this limit shall not be considered a

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC
CONDITIONS (FINAL)**

violation in and of itself, but an indication that additional control precautions and/or practices beyond those outlined in Specific Condition No. 11 may be necessary.
[Rule 62-4.070(3), F.A.C.; Construction Permit No. 0530357-005-AC]

Recordkeeping and Reporting

13. Records Retention - All daily records shall be completed within three (3) business days. Monthly records shall be completed by the end of following month. The records required by this permit shall be maintained at the facility for a minimum of five years and made available to the Department upon request.
[Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

14. Facility-Wide Fuel Usage Records - To demonstrate compliance with the fuel usage limitation of Specific Condition No. 9., the permittee shall maintain the following monthly records:

- a. facility name, facility ID No. (0530357), month and year;
- b. type and quantity of each fuel oil used at the facility (gallons) (including permitted and exempt emission units) for the month;
- c. type and quantity of each fuel oil used at the facility (gallons) (including permitted and exempt emission units) for the most recent consecutive 12-month period (gallons per consecutive 12-month period); and
- d. total amount of fuel oil used at the facility from all sources and types of fuel oil for the most recent consecutive 12-month period (gallons per consecutive 12-month period).

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

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Drum Mix Asphalt Plant

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emission Unit Description
001	<u>Drum Mix Asphalt Plant</u> -This emission unit consists of an Asphalt Drum Mixers, Inc., Model Milemaker Series 325, drum mix asphalt concrete plant having a design capacity of 325 tons/hour. The plant is permitted to process either conventional surface mix (virgin) or reclaimed asphalt pavement (RAP). The asphalt plant dryer burner is fired at a maximum heat input rate of 100 MMBtu/hour, with natural gas, on-specification reclaimed fuel oil, new No. 2 fuel oil or new No. 6 oil. The sulfur content of the fuel oils shall not exceed 1.0%, by weight. Emissions are controlled by a primary settling chamber followed by an Asphalt Drum Mixers, Inc. Model No. BH645-10 baghouse control system having a total cloth filtration area of 10,727 square feet.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements - The asphalt concrete plant is subject to the requirements of 40 CFR 60, Subpart I – Asphalt Concrete Plants and the general provisions of 40 CFR 60, Subpart A, where applicable, which are adopted by reference in Rule 62-204, F.A.C.
[Rule 62-204.800(8), F.A.C.]

A.2. Permitted Capacity - This emission unit is limited to the following operating parameters:

EU ID No.	Brief Description	Monthly Average Maximum Heat Input Rate (MMBtu/hour)*	Daily Average Maximum Production Rate of Asphalt Concrete (virgin and RAP) (tons/hour)	Maximum Production of Asphalt Concrete (virgin and RAP) (tons/any consecutive 12-month period)
001	Drum Mix Asphalt Plant	100	300.0	500,000

[Rules 62-210.200 (“Potential to Emit”) and 62-210.300(3)(c)2.a., F.A.C.; Construction Permit No. 0530357-005-AC]

** (Permitting Note: Fuel usage and operating hour recordkeeping is used to determine compliance with this limit.)*

A.3. Authorized Fuels - The following fuels are allowed as ranked from the cleanest fuel (top) to the dirtiest fuel (bottom) for particulate matter and visible emissions testing purposes:

- a. natural gas;
- b. new No. 2 fuel oil;
- c. on-specification reclaimed fuel oil; and
- d. new No. 6 fuel oil.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Drum Mix Asphalt Plant

[Rule 62-210.200 (“Potential to Emit”), F.A.C.; Construction Permit No. 0530357-005-AC]

- A.4. Fuel Oil Sulfur Content Limitation** - The sulfur content for any fuel oils used shall not exceed 1.0% by weight.

[Rule 62-210.300(3)(c)2., F.A.C.; Construction Permit No. 0530357-005-AC]

- A.5. Reclaimed Fuel Oil Specifications** – The permittee shall not burn off-specification reclaimed fuel oil. For each delivery of on-specification reclaimed fuel oil, the vendor shall provide an analysis* documenting the fuel oil meets the following requirements of 40 CFR 761.20(e)(2) and (3) and 40 CFR 279.11 (July 1, 2001):

Constituent/Property	Allowable Level
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	Shall not exceed 1000 ppm
Flash Point	100 degrees F minimum
PCB's	Shall be less than 2 ppm

**Copies of the analysis shall be maintained at the facility for a minimum of 5 years and made available to the Department upon request.*

[Rules 62-4.070(3) and 62-710.210 F.A.C.; Construction Permit No. 0530357-005-AC]

- A.6. Restricted Operation** - The asphalt plant concrete dryer is allowed to operate no more than 4,000 hours per any consecutive 12-month period.

[Rule 62-210.200 (“Potential to Emit”), F.A.C.; Construction Permit No. 0530357-005-AC]

EMISSIONS STANDARDS

- A.7. Particulate Matter (PM) Emissions** – PM emissions associated with the asphalt concrete plant shall not exceed 0.04 grains per standard cubic foot averaged over a three (3) hour period.

40 CFR 60 Subpart I, 60.92(a)(1) and adopted by reference in rules 62-204.800(8) and 62-210.300(3)(c)2.d., F.A.C.]

- A.8. Visible Emission Limit (VE)** – Visible emissions associated with the asphalt concrete plant shall not be equal or greater than 20% opacity.

[40 CFR 60 Subpart I, 60.92(a)(2) and adopted by reference in Rules 62-204.800(8) and 62-210.300(3)(c)2.f., F.A.C.]

COMPLIANCE TESTING REQUIREMENTS

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Drum Mix Asphalt Plant

- A.9.** Particulate Matter (PM) Emission and Visible Emission (VE) Testing – Test the asphalt plant dryer’s baghouse exhaust for particulates and visible emissions annually during each federal fiscal year (October 1 – September 30).
[Rules 62-297.310(7) and 62-297.310(8)(b), F.A.C.]
- A.10.** Compliance Test Requirements - Compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]
- A.11.** Compliance Test Methods - Required compliance tests shall be performed in accordance with the following reference methods.

Methods	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5 or 5A	Determination of Particulate Matter Emissions from Stationary Sources
* DEP Method 9	Visual Determination of the Opacity of Emissions from Stationary Sources

** (Permitting Note: The asphalt concrete plant baghouse shall be tested for a minimum of thirty (30) minutes or, if the operation is normally completed within less than thirty (30) minutes and does not recur within that time, the test shall last for the length of the batch cycle or operation completion time.)*

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.

[Rule 62-204.800, F.A.C.; Appendix A of 40 CFR 60; Construction Permit No. 0530357-005-AC]

- A.12.** Additional Compliance Testing Requirements – The permittee shall comply with all of the following regarding compliance testing for the drum mix asphalt plant.
- a. A compliance test submitted when the asphalt plant is processing RAP shall limit the plant to only processing RAP. Once so limited, within thirty (30) days of processing virgin material (conventional hot mix asphalt), new compliance tests for particulates and visible emissions for the asphalt plant’s baghouse shall be conducted using only virgin materials. A compliance test submitted when processing only virgin material (conventional hot mix asphalt) shall also allow the plant to process RAP.
 - b. Compliance test submitted when the dryer is fired with any fuel other than new No. 6 fuel oil will automatically constitute an amended permit to allow the dryer to be operated as follows:
 - (1) If compliance tests were conducted for the dryer fired with on-specification reclaimed fuel oil, then the dryer is permitted to operate without restrictions using on-specification reclaimed fuel oil, new No. 2 fuel oil, or natural gas and up to a total of 400 hours using new No. 6 fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with a restricted fuel, new compliance tests shall be conducted with the dryer being fired with new No. 6 fuel oil.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 - Drum Mix Asphalt Plant

- (2) If compliance tests were conducted for the dryer fired with new No. 2 fuel oil, then the dryer is permitted to operate without restrictions using new No. 2 fuel oil or natural gas and up to a total of 400 hours using a restricted fuel (i.e. on-specification reclaimed fuel oil or new No. 6 fuel oil). Within 30 days of exceeding the 400th hour of firing the dryer with a restricted fuel, new compliance tests shall be conducted with the dryer being fired with the restricted fuel.
- (3) If compliance tests were conducted for the dryer fired with natural gas, then the dryer is permitted to operate without restrictions using natural gas and up to a total of 400 hours using a restricted fuel (i.e. new No. 2 fuel or on-specification reclaimed fuel oil or new No. 6 fuel oil). Within 30 days of exceeding the 400th hour of firing the dryer with a restricted fuel, new compliance tests shall be conducted with the dryer being fired with the restricted fuel.

[Rules 62-4.070(3) and 62-297.310, F.A.C.; Construction Permit No. 0530357-005-AC]

NOTIFICATION REQUIREMENTS

A.13. Compliance Testing Notifications - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

(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.)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

A.14. Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. Failure to submit the following with any compliance test report for the test period may invalidate the test(s):

- a. production rate of hot mix asphalt concrete in tons/hour and the type of material processed (virgin materials or RAP);
- b. type of fuel oil used (natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 6 fuel oil);
- c. fuel oil analysis of the sulfur content of the fuel oil used;
- d. reclaimed fuel oil analysis to document compliance with the on-specification reclaimed fuel oil limits, if applicable; and
- e. a copy of the records for the month the test was conducted as required by Specific Condition No. A.16.
- f. a visible emission test report for each RAP crushing system that used an off-site VE test to comply with Specific Condition No. B.7., since the previous asphalt plant emissions test (*see Specific Condition No. B.15.*).

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Drum Mix Asphalt Plant

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

A.15. Fuel Sulfur Content Record - To document continuing compliance with the maximum sulfur content limitation of 1.0% sulfur, by weight of the fuel oil (Specific Condition No. A.4.), the permittee shall keep records on either vendor provided as-shipped analysis or on analysis of as-received samples taken at the plant. The analysis shall be performed using an appropriate ASTM method.
[Rules 62-210.300(3)(c)2.c. and 62-4.070(3), F.A.C.]

A.16. Daily and Monthly Logs - To document compliance with the requirements of Specific Condition Nos. A. 2. - A.4. and A.6., the following records shall be maintained:

Daily Records – Asphalt Concrete Production:

- a. facility name, facility ID (0530357), Emission Unit ID No. (001), date;
- b. total asphalt concrete production (virgin/conventional) in tons;
- c. total asphalt concrete production (containing RAP) in tons;
- d. total asphalt concrete production (virgin/conventional and containing RAP combined) in tons;
- e. total hours of asphalt concrete production;
- f. calculation of the daily average production rate (in tons/hour) of asphalt concrete based on items d. and e. above.

Daily Records – Fuel Oil Usage:

- a. If the most recent compliance test was conducted while the dryer was fired with natural gas, the permittee shall keep the following daily records starting from the date of the most recent compliance test:
 - (1) dryer hours of operation while firing new No. 2 fuel oil;
 - (2) dryer hours of operation while firing on-specification reclaimed fuel oil;
 - (3) dryer hours of operation while firing new No. 6 fuel oil;
 - (4) total dryer hours of operation while firing fuels listed in items (1), (2) and (3) above.
- b. If the most recent compliance test was conducted while the dryer was fired with new No. 2 fuel oil, the permittee shall keep the following daily records starting from the date of the most recent compliance test:
 - (1) dryer hours of operation while firing on-specification reclaimed fuel oil;
 - (2) dryer hours of operation while firing new No. 6 fuel oil;
 - (3) total dryer hours of operation while firing fuels listed in items (1) and (2) above.
- c. If the most recent compliance test was conducted while the dryer was fired with on-specification reclaimed fuel oil, the permittee shall keep daily records, starting from the date of the most recent compliance test, of the dryer hours of operation while firing new No. 6 fuel oil.

(Permitting Notes: When the dryer hours of operation calculated in Specific Condition No. A.16.b., exceeds 400 hours, then additional compliance testing is required (see Specific Condition No. A.12.).

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Drum Mix Asphalt Plant

Fuel use and operating hours records required above can be used to determine compliance with the heat input rate of Specific Condition No. A.2.)

Monthly Records – Asphalt Concrete Production:

- a. facility name, facility ID (0530357), Emission Unit ID (001), month and year;
- b. total tons of both types of asphalt concrete produced for the month (tons), and a calculation of the most recent consecutive 12-month rolling total asphalt production (tons/12 consecutive month period);
- c. total operating hours of the asphalt concrete plant's dryer for the month (hours), and a calculation of the most recent consecutive 12-month rolling total dryer operating hours (hours/consecutive 12-month period);
- d. quantity of each of the 4 types of fuel used to fire the asphalt concrete plant's dryer along with the overall monthly average MMBtu/hour heat input rate;
- e. quantity and type of fuel used to fire the hot oil heater;
- f. total usage of all fuel oil used to fire the asphalt plant's dryer and hot oil heater; and
- g. most recent consecutive 12-month rolling total usage rate of all fuel oil used to fire the asphalt plant's dryer and hot oil heater.

[Rule 62-4.070(3), F.A.C. and Construction Permit No. 0530357-005-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 005 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emission Unit Description
005	<p><u>Portable Reclaimed Asphalt Pavement (RAP) Crushing System</u> - This emission unit consists of a portable RAP crushing system that is brought on site (as needed) to crush the RAP into a smaller size for use in the manufacture of new hot mix asphalt. The portable RAP crushing system may be a system that is owned by a different owner/company. The RAP crushing system has a maximum throughput limit of 80,000 tons per any consecutive 12-month period. The crusher and associated equipment are powered by an exempt 350 HP (maximum) diesel engine and power generator fired with new No. 2 fuel oil with a maximum sulfur content of 0.5% by weight.</p>

PERFORMANCE RESTRICTIONS

B.1. Federal Regulatory Requirements -

- a. If a portable RAP crushing system used at this asphalt plant is not subject to the attached Title 40, Code of Federal Regulations (CFR), Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (see Appendix G.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix E.), where applicable, then only Specific Condition Nos. B.2., B.3., B.4., B.6., B.16., and B.18.a.-e. apply.
- b. If a portable RAP crushing system used at this asphalt plant is subject to the attached Title 40, Code of Federal Regulations (CFR), Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (see Appendix G.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix E.), where applicable, then all of the following specific conditions apply.
[40 CFR 60, Subparts A and OOO]

B.2. Florida Air Permit Requirement - Every portable RAP crushing system operated at this facility shall have a valid Florida Air General Permit or a non-Title V relocatable air operation permit. While on site, any portable crushing system is also subject to all the terms and conditions contained in this Air Construction and Air Operation Permit.
[Rule 62-4.070 (3), F.A.C.]

B.3. Permitted Capacity - This emission unit is limited to the following operating parameters:

EU ID No.	Brief Description	Maximum Throughput of Reclaimed Asphalt Pavement at this Facility (tons/any consecutive 12-month period)
003	RAP Crushing System*	80,000

*Only one RAP crushing system is authorized to operate with this asphalt plant at any one time.

[Rules 62-210.200 (“Potential to Emit”) and 62-297.310(2), F.A.C.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 005 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

B.4. Maximum Emission Points - The crushing system located with the asphalt concrete plant shall not have more emission points and specific pieces of equipment than shown in the Table below. (See Appendix H. for a flow diagram of the RAP Crushing System.)

Emission Point No.	Brief Description
1	Drop to Loading Hopper
2	Crusher Inlet
3	Crusher to Conveyor 1
4	Conveyor 1 to Screen
5	Screen
6	Screen to Conveyor 4
7	Conveyor 4 to Stacking Conveyor
8	Screen to Oversize Conveyor 2
9	Oversized Conveyor 2 to Oversized Conveyor 3
10	Oversized Conveyor 3 to Loading Hopper
11	Stacking Conveyor to Stockpile

[Rule 62-210.200 (“Potential to Emit”), F.A.C.]

EMISSIONS STANDARDS

B.5. Visible Emissions (VE) Limitations - Each emission point associated with this emission unit shall comply with the following maximum visible emission limitations:

Emission Point No.	Brief Description	Max.VE Limit (% Opacity) ¹	Max.VE Limit (% Opacity) ²
1	Drop to Loading Hopper	<20*	<20*
2	Crusher Inlet	15**	12*
3	Crusher to Conveyor 1	15**	12*
4	Conveyor 1 to Screen	10**	7*
5	Screen	10**	7*
6	Screen to Conveyor 4	10**	7*
7	Conveyor 4 to Stacking Conveyor	10**	7*
8	Screen to Oversize Conveyor 2	10**	7*
9	Oversized Conveyor 2 to Oversized Conveyor 3	10**	7*
10	Oversized Conveyor 3 to Loading Hopper	10**	7*
11	Stacking Conveyor to Stockpile	<20*	<20*

* Rule 62-296.320(4)(b), F.A.C. ** 40 CFR 60.672(b)

¹ For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/08.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 005 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

² For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction on or after 4/22/2008.

(Permitting Note: Emission Point Nos. 1 and 11 do not require regular scheduled VE compliance testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation. Emission Point No.5. does not require VE compliance testing since that point will be covered by testing Emission Point Nos. 4, 6, and 8.)

[Rules 62-210.200 (“Potential to Emit”) and 62-296.320, F.A.C.; 40 CFR 60.672(b) and (c)]

- B.6.** Unconfined Emissions of Particulate Matter - Unconfined emissions shall be controlled by using a water suppression system with spray bars located wherever unconfined emissions occur at the feeder, the entrance and exit of the crusher, the classifier screen, and the conveyor drop points.

[Rule 62-296.320, F.A.C.]

TESTING REQUIREMENTS

- B.7.** Visible Emissions Test Requirements - In order to determine compliance with the visible emission limitations of Specific Condition No. B.5. for each crushing system that is brought on-site, the permittee shall maintain on site either documentation of the most recent* annual visible emissions test that complies with the crushing system’s General Permit or non-Title V relocatable air operation permit requirements prior to locating at this site (see Specific Condition No. B.8.) or shall test on-site according to Specific Condition Nos. B.9. - B.11., below.

**Permitting Note: The most recent test shall not be older than the previous federal fiscal year.*

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

- B.8.** Off-Site Test Requirements - An off-site test may be accepted by the Department provided the required documentation listed in Specific Condition No. B.14., below can be provided with the test report required in Specific Condition No. B.15., below. In addition, the crushing system must have been tested while operating with the same or more emission points and pieces of equipment that will be operating while on-site. If an off-site visible emissions test is used to demonstrate compliance with Specific Condition No. B.5., the crusher shall not be operated at rates greater than 110% of the actual processing rate measured during that test.

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

- B.9.** On-Site Test Requirements – If adequate documentation as required by Specific Condition No. B.8. is not available, the permittee shall test Emission Point Nos. 2, 3, 4, 5, 6, 8 and 9 (as applicable) for visible emissions as soon as possible but no later than 30 days of placing a crushing system into operation after the effective date of this document. Once tested, the crushing system may not operate in a configuration that has more pieces of equipment and/or emission points than were operating during the test unless a new compliance test is conducted with the greater number of pieces of equipment and/or emission points. In no case shall the pieces of equipment and/or emission points exceed those in Specific Condition No. B.4. If the crushing system remains on-site, it shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30) it is on-site. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this document.

[Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 005 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

- B.10. Visible Emission Testing Requirements** - On-site visible emission testing shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this document and shall also comply with the following:
- a. The minimum distance between the observer and the emission source shall be 15 feet.
 - b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
 - c. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with Specific Condition No. B.5., must be based on the average of the five 6-minute averages.
 - d. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:
 - (1) No more than three emission points may be read concurrently.
 - (2) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.
 - (3) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

[Rules 62-297.310(4), and 62-297.401, F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

- B.11. Test Method** - Required tests shall be performed in accordance with the following reference method.

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

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.401, F.A.C.; 40 CFR 60 Appendix A-4]

MONITORING REQUIREMENTS

- B.12. Monitoring Requirements** - If any affected piece(s) of equipment of the RAP Crushing System (i.e. crusher, screen or conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if water is not flowing properly during the inspection.
[40 CFR 60, 60.674(b)]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 005 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

NOTIFICATION REQUIREMENTS

B.13. On-Site Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required on-site tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

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.

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

B.14 On-Site Test Report Requirements - The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirement specified in Appendix D (Common Testing Requirements) of this document. The test report must include the following:

- a. owner name;
- b. General or non-Title V Air Operation Permit number (e.g., 7771234-XXX-AX);
- c. manufacturer's maximum rated capacity for any material (*i.e. the rated TPH capacity of the material with the highest processing rate*);
- d. date each affected piece of equipment of the crushing system commenced construction, modification or reconstruction;
- e. type of material processed;
- f. actual material handling rate during the test period (tons/hour);
- g. configuration of the crushing system during the test to include specific pieces of equipment, emission points and/or a process flow diagram; and
- h. a copy of the monthly log as required by Specific Condition No. B.16. for the month the test was conducted.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

B.15. Off-Site RAP Crushing System Test Reports - When demonstrating compliance with Specific Condition No. B.7. with an off-site visible emissions test, the permittee shall submit a copy of the most recent VE test report for each crushing system operated on site at the same time the test report for the drum mix asphalt plant (EU 001) is submitted (*see Specific Condition No. A.14.*). The test reports must include the information specified in Specific Condition No. B.14. above.

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

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 005 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

B.16. Operation Records - In order to document compliance with Specific Condition No. B.3., the permittee shall record the following while the crushing system is on-site:

Daily:

- a. facility name, facility ID No., emission unit ID No., crushing system owner's name, Florida General or non-Title V Air Operation Permit No., and any other identification information so each crushing system can be clearly distinguished from another crushing system;
- b. hours of operation;
- c. total RAP throughput (tons);
- d. daily average throughput rate based on b. and c. above (tons/hour);

Monthly:

- e. facility name, facility ID No. and emission unit ID No.;
- f. total RAP throughput (tons);
- g. most recent consecutive 12-month rolling total RAP throughput (tons/consecutive 12-month period);
- h. quantity of new No. 2 fuel oil burned; and
- i. most recent consecutive 12-month rolling total of fuel oil consumed.

Daily records shall be completed within three business days and monthly records shall be completed by the end of the following month.

[Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

B.17. Monitoring Records - If any affected piece(s) of equipment of the RAP Crushing System was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. (*see also Specific Condition No. B.12.*)
[40 CFR 60, 60.674(b)]

B.18. General Recordkeeping Requirements - The permittee shall keep records for each RAP crushing system operated on site as follows:

- a. owner name;
- b. General or non-Title V Air Operation Permit number(s) (e.g., 7771234-xxx-AX) and permit effective date(s);
- c. dates on site;
- d. manufacturer's maximum rated capacity for any material (*i.e. the rated TPH capacity of the material with the highest processing rate*);
- e. operating configuration while on-site to include specific pieces of equipment, emission points and/or a process flow diagram; and
- f. date of most recent visible emissions test and a copy of the test report.

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