



Florida Department of Environmental Protection

Central District
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Orlando, Florida 32803-3767

Rick Scott
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Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Electronically Sent- Received Receipt Requested

FINAL PERMIT

PERMITTEE

APAC-Southeast, Inc.
13101 Telecom Drive, Suite 101
Tampa, FL 33637

Authorized Representative:
Mr. Mark S. Marine, Division President

Air Permit No. 0090049-011-AF
Permit Expires: 08/31/2017
Site Name: Melbourne Asphalt Plant
Federally Enforceable State Operating Permit
(FESOP)
Project Name: Initial FESOP

This is the final air operation permit, which authorizes operation of a 400 TPH Drum Mix Asphalt Plant and a 250 TPH Recycled Asphalt Pavement (RAP) crushing system. The Melbourne Asphalt Plant (Standard Industrial Classification No. 2951) is located in Brevard County at 6210 North U.S. Highway 1 in Melbourne, Florida. The UTM coordinates are Zone 17, 532.52 km East, and 3120.69 km North.

This final permit is organized by the following sections:

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Facility-wide and 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, 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 Orange County, Florida



July 19, 2012

Caroline D. Shine

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 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 July 19, 2012 to the persons listed below.

Mr. Mark S. Marine, APAC-Southeast, Inc. (**msmarine@apac.com**)
Mr. Roger T. Caldwell, Bottorf Associates, Inc. (**roger@bottorf.com**)
Mr. Alan Zahm, P.E., Bottorf Associates, Inc. (**alanzahm@embarqmail.com**)

Clerk Stamp

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk) July 19, 2012
(Date)

SECTION 1. GENERAL INFORMATION (FINAL)

FACILITY AND PROJECT DESCRIPTION

Melbourne Asphalt Plant

This facility operates a Gencor Industries, Inc. drum mix asphalt concrete plant. The plant is permitted to process either virgin, recycled mix asphalt product, or reclaimed asphalt pavement (RAP). The dryer can be fired with new (virgin) no. 6 fuel oil, on-specification used fuel oil, or natural gas. The site also includes a hot oil heater that burns either new (virgin) no. 2 fuel oil or natural gas.

The existing facility consists of the following emissions units.

Facility ID No. 0090049	
ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant with Baghouse
002	Portable Recycled Asphalt Pavement (RAP) Crushing System

Project Description

This project is the initial FESOP for the facility and the purpose is to incorporate the terms and conditions of Construction Permit 0090049-009-AC.

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.
- This facility is a synthetic non-Title V source for particulate matter less than 10 microns (PM₁₀), sulfur dioxide (SO₂), and carbon monoxide (CO).
- 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 Provisions, 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 Provisions, where applicable.

PERMIT HISTORY/AFFECTED PERMITS

Initial Federally Enforceable Operating Permit (FESOP) incorporates the terms and conditions of Construction Permit 0090049-009-AC.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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

Florida Department of Environmental Protection
Central District Office
Air Resource Management Section
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
Telephone: 407-897-4100

All documents related to applications for permits 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 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
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: 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.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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 the 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. **B.10. and C.11.**, if not previously submitted; and
- d. copies of the most recent two months of records/logs specified in Specific Condition Nos. **A.5., B.20., B.21., C.17., and C.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 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. Facility-Wide Specific Conditions

PERFORMANCE RESTRICTIONS

- A.1. Permitted Fuel Consumption: Total **facility-wide** fuel oil consumption shall not exceed 2.553 million gallons in any consecutive 12-month period of all fuel oils specified in Specific Condition Nos. **B.4.** and **B.5.**, below.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit 0090049-009-AC]

EMISSIONS STANDARDS

- A.2. Unconfined Emissions of Particulate Matter (PM) - In addition to the conditions in Appendix C., Condition No. 9, the following reasonable precautions shall be followed:
- Paving and maintenance of roads, parking area, and yards or the application of water to paved and unpaved roads, parking areas, and yards to control emissions.
 - The use of sprinklers on stock piles, if necessary.
 - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent the reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
 - Landscaping or planting of vegetation.

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.; Requested in Permit Application dated 05/25/2012]

- A.3. Fuel Oil Sulfur Content Limitation - The sulfur content for all fuel oils shall not exceed 1.0 percent by weight.
[Rules 62-4.070(3) and 62-210.300(3)(c)2.c., F.A.C.; Construction Permit 0090049-009-AC]

RECORDS AND REPORTS

- A.4. Fuel Sulfur Content Record: In order to document continuing compliance with the sulfur content limitation in Specific Condition No. **A.3.**, in percent by weight of the fuel oil, the permittee shall keep records on either vendor provided as-shipped analysis or on analysis of as-received samples taken at the plant for all fuel oils specified in Specific Condition **B.4.**, below. The analysis shall be determined by appropriate ASTM methods.
[Rule 62-4.070(3), F.A.C.]
- A.5. Monthly Fuel Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition No. **A.1.**, the permittee shall maintain a log at the facility for a period of at least five (5) years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:
- Facility Name, Facility ID No. (i.e., 0090049);
 - Month and year of record;
 - Most recent consecutive 12-month rolling total of fuel oil consumed*; and

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

A. Facility-Wide Specific Conditions

d. Fuel records relating to General Condition 14.c. in Appendix B (General Conditions).

*Includes fuel oil at the rotary dryer, RAP crusher, and hot oil heater, also includes natural gas combusted at the rotary dryer and hot oil heater.

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.]

A.6. Records Retention: All records shall be recorded in a permanent form suitable for inspection by the Department upon request and shall be kept at the facility for a minimum of the most recent five (5) year period.

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

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

B. EU No. 001- Drum Mix Asphalt Plant with Baghouse

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	The maximum heat input rate to the dryer is 120.0 MMBtu/hour. Emissions are controlled by a Gencor Industries Model 132 baghouse control system rated at 38,220 dscfm. The air to cloth ratio is 5.45 to 1 and a particulate reduction efficiency of approximately 99.9 percent. There is a hot oil heater at the site that burns either new (virgin) no. 2 fuel oil or natural gas. The maximum sulfur content of the fuel oil consumed by the hot oil heater shall not exceed 0.05 percent by weight.

EQUIPMENT

- B.1. Equipment Name: The permit includes a 400 TPH Gencor Industries, Inc. drum mix asphalt plant with baghouse. The asphalt plant has a Gencor Industries primary inertial collector followed by a Gencor Industries Model 132 baghouse.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit No. 0090049-009-AC]

PERFORMANCE RESTRICTIONS

- B.2. Federal Regulatory Requirements: This emission unit is subject to 40 CFR 60, Subpart A- General Provisions (See Appendix E) and Subpart I- Standards of Performance for Hot Mix Asphalt Facilities (See Appendix F), which is adopted by reference in Rule 62-204.800, F.A.C. The conditions are incorporated into this permit (attached and part of this permit)
[Rule 62-204.800(8), F.A.C.]
- B.3. Permitted Capacity: The process rates shall not exceed 1.2 million tons of virgin or recycle mix asphalt product per any consecutive 12-month period.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit No. 0090049-009-AC]
- B.4. Authorized Fuel: The main rotary dryer burner is permitted to only use the following fuels with a maximum sulfur content 1.0 percent, by weight:
- a. New virgin no. 6 fuel oil;
 - b. On-specification used fuel oil; or
 - c. Natural gas.
- [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit 0090049-009-AC]
- B.5. Authorized Fuel: The hot oil heater is permitted to only burn new (virgin) no. 2 fuel oil or natural gas with a maximum sulfur content of 0.05 percent, by weight.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit 0090049-009-AC]
- B.6. Used Fuel Oil Specifications: The permittee shall not burn off-specification reclaimed fuel oil. For each delivery of on-specification used 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, 2004):

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

B. EU No. 001- Drum Mix Asphalt Plant with Baghouse

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°F minimum
PCB's	Shall be less than 2 ppm

[Rules 62-4.070(3), and 62-710.210, F.A.C.]

- B.7. Restricted Operation: The hours of operation of the drum mix asphalt plant shall not exceed 3000 hours per any consecutive 12-month period.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Requested in Permit Application dated 05/25/2012]

EMISSIONS STANDARDS

- B.8. Visible Emission (VE) Limitation: Visible emissions shall not be equal to or greater than 20 percent opacity.
[40 CFR 60 Subpart I, 60.92(a)(2) and adopted by reference in Rule 62-204.800(8)(b), F.A.C.]
- B.9. Particulate Matter (PM) Limitation: Particulate emissions shall not exceed 0.04 grains per dry standard cubic foot averaged over a three (3) hour period.
[40 CFR 60 Subpart I, 60.92(a)(1) and adopted by reference in Rule 62-204.800(8)(b), F.A.C.]

TESTING REQUIREMENTS

- B.10. Compliance Tests: During each federal fiscal year (October 1st to September 30th), the drum mix asphalt plant shall be tested to demonstrate compliance with the emissions standards for VE and PM emissions as specified in Specific Condition Nos. **B.8. and B.9.**, above.
[40 CFR 60 Subpart A, 60.8 and Rule 62-297.310, F.A.C.]
- B.11. Test Requirements: 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.]
- B.12. Additional PM Testing Requirements: Stack sampling facilities must comply with the following:
- a. 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; and
 - b. A differential pressure gauge is required to measure the pressure drop across the baghouse, a minimum of 10 days prior to conducting the stack test.

[Rules 62-297.310(6) and 62-297.310(5)(b), F.A.C.]

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

B. EU No. 001- Drum Mix Asphalt Plant with Baghouse

- B.13. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
EPA Method 5	Determination of Particulate Matter Emissions from Stationary Sources: The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
DEP Method 9	Visual Determination of the Opacity of Emissions from Stationary Sources: Shall be conducted for 30 minutes or the length of the batch/cycle if less than 30 minutes.

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.; Appendix A of 40 CFR 60; 40 CFR 60.93 (b)(1) and (2)]

- B.14. Operating Rate During Testing: Testing of emissions shall be conducted within 90 to 100 percent of the maximum permitted operating rate of 400 tons per hour. If it is impracticable to test at the maximum permitted operating rate, then the emission unit may be tested at a lesser rate. In this case, subsequent emission 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 purposes of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

MONITORING REQUIREMENTS

- B.15. Fuel Sulfur Content: 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.]

NOTIFICATION REQUIREMENTS

- B.16. Test Notification: The permittee shall notify the Compliance Authority 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. [Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

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

B. EU No. 001- Drum Mix Asphalt Plant with Baghouse

- B.17. 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 following:
- The type of air pollution control devices installed and their normal operating parameters during each test run.
 - Type, manufacturer, and configuration of the sampling equipment used.
 - All measured and calculated data required to be determined by each applicable test procedure for each run.
 - The detailed calculations for one run that relate the collected data to the calculated emission rate.

[Rule 62-297.310(8), F.A.C.]

- B.20. Fuel Sulfur Content Records: The permittee shall maintain records to demonstrate that the sulfur content, by weight, of each shipment of new and on-spec used oil and that the sulfur content was determined in accordance with the methods listed in this permit.
[Rule 62-4.070, F.A.C.]

- B.21. Monthly Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition Nos. **B.3., B.4., B.5., B.6.** and **B.7.**, the permittee shall maintain a log at the facility for a period of at least five (5) years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:
- Facility Name, Facility ID No. (i.e., 0090049);
 - Month and year of record;
 - Most recent consecutive 12-month rolling total of asphalt concrete product (tons/consecutive 12-month period);
 - Total hours of operation for the month (hours/month);
 - Most recent consecutive 12-month rolling total of hours of operation (hours/consecutive 12-month period);
 - Type and quantity of fuel oil burned in the dryer; and
 - Fuel records relating to General Condition 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 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)

C. EU No. 002- Portable Recycled Asphalt Pavement (RAP) Crushing System

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	250 TPH Portable Recycled Asphalt Pavement (RAP) Crushing System

PERFORMANCE RESTRICTIONS

- C.1. Federal Regulatory Requirements: This emission unit is subject to 40 CFR 60, Subpart A- General Provisions (See Appendix E), where applicable, and Subpart OOO- Standards of Performance for Nonmetallic Mineral Processing Plants (See Appendix G), which is adopted by reference in Rule 62-204.800, F.A.C. The conditions are incorporated into this permit (attached and part of this permit) [Rule 62-204.800(8), F.A.C.]
- C.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 subject to all the terms and conditions contained in this Air Operation Permit. [Rule 62-4.070(3) F.A.C.]
- C.3. Permitted Capacity: The process rates shall not exceed 250 tons per hour and 125,000 tons per any consecutive 12-month period of RAP. [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit No. 0090049-009-AC]
- C.4. Permitted Fuel Consumption: Total fuel oil consumption for the RAP crusher shall not exceed 16.2 gallons per hour of diesel fuel. [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit 0090049-009-AC]
- C.5. Authorized Fuel: The RAP crusher is permitted to only use no. 2 diesel fuel with a maximum sulfur content that shall not exceed 1.0 percent, by weight. [Rules 62-4.070(3), 62-210.200(PTE), and 62-210.300(3)(c)2., F.A.C.; Construction Permit 0090049-009-AC]

EMISSIONS STANDARDS

- C.6. Visible Emission (VE) Limitation: 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 60, Subpart OOO, shall be less than 20 percent opacity. [Rule 62-296.320(4)(b)1., F.A.C.]
- C.7. Additional VE Limitations: 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 subject to 40 CFR 60, Subpart OOO, shall comply with the following opacity limits:

Pollutant	With Capture System	Without Capture System
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SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

C. EU No. 002- Portable Recycled Asphalt Pavement (RAP) Crushing System

	(opacity)	(opacity)
VE	10 percent	15 percent

[40 CFR 60 Subpart OOO and adopted by reference in Rule 62-204.800(8)(b), F.A.C.]

C.8. Particulate Matter (PM) Limitation: 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, any baghouse that controls emissions from only an individual, enclosed storage bin, or any other emission point, shall not contain particulate matter in excess of 0.05 grams per dry standard cubic meter (g/dscm) nor exceed 7percent opacity, unless the stack emissions are discharged from a wet scrubbing control device.

[40 CFR 60 Subpart OOO, §60.672 and adopted by reference in Rule 62-204.800(8)(b), F.A.C.]

C.9. 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 suppression system with spray bars located at the feeder(s), the entrance and exit of the crusher(s), the classifier screens, and the conveyor drop 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.; Construction Permit No. 0090049-009-AC]

C.10. 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

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- 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 No. 0090049-009-AC]

TESTING REQUIREMENTS

- C.11. Compliance Tests: During each federal fiscal year (October 1st to September 30th), visible emissions testing shall be conducted at each emissions point of the RAP crushing system to demonstrate compliance with the emissions standards for VE and PM emissions as specified in Specific Condition Nos. **C.7.**, **C.8.**, and **C.9.**, above.
[40 CFR 60 Subpart A, §60.8 and Rule 62-297.310(7)(a)3., F.A.C.]
- C.12. Test Requirements: 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.]
- C.13. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
DEP Method 9	Visual Determination of the Opacity of Emissions from Stationary Sources: Shall be conducted for 30 minutes or the length of the batch/cycle if less than 30 minutes.

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.; Appendix A of 40 CFR 60; 40 CFR 60.93 (b)(2)]

- C.14. Operating Rate During Testing: Testing of emissions shall be conducted within 90 to 100 percent of the maximum permitted operating rate of 250 tons per hour. If it is impracticable to test at the maximum permitted operating rate, then the emission unit may be tested at a lesser rate. In this case, subsequent emission 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 purposes of additional compliance testing to regain the authority to operate at the permitted capacity.
[Rule 62-297.310(2), F.A.C.]

MONITORING REQUIREMENTS

- C.15. Fuel Sulfur Content: 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.]

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NOTIFICATION REQUIREMENTS

- C.16. Test Notification: The permittee shall notify the Compliance Authority 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. [Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

- C.17. 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. The test report must include the following:

- a. Owner Name;
- b. General and non-Title V Air Operation Permit number (e.g., 7771234-XXX-AX and permit effective date(s));
- c. Manufacturer's maximum rated capacity for any material; and
- d. Type of material processed.

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

- C.18. Monthly Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition Nos. **C.3.**, **C.4.**, and **C.5.**, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:

- a. Facility Name, Facility ID No. (i.e., 0090049);
- b. Month and year of record;
- c. Most recent consecutive 12-month rolling total of RAP processed by the crusher (tons/consecutive 12-month period);
- d. Most recent consecutive 12-month rolling total of fuel oil consumed by the crusher, in gallons;
- e. Fuel records relating to General Condition 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 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.]

- C.19. General Recordkeeping Requirements - The permittee shall keep records for each RAP crushing system operated on site as follows:

- a. Owner Name;
- b. General and non-Title V Air Operation Permit number(s) (e.g., 7771234-XXX-AX) and permit effective date(s);
- c. Latest arrival date on site;

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- d. Manufacturer's maximum rated capacity for any material; and
 - e. Date of most recent visible emissions (VE) test and a copy of the test report.
- [Rule 62-4.070(3), F.A.C.]