



Florida Department of Environmental Protection

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

Rick Scott
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Lt. Governor

Herschel T. Vinyard Jr.
Secretary

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. 1010041-010-AF
Permit Expires: 04/28/2016
Odessa Plant
Federally Enforceable State Operating
Permit (FESOP)
Operation Permit Renewal

This is the final air operation permit, which authorizes operation of a Drum Hot Mix Asphalt Concrete Facility with a Baghouse and a Portable Recycle Asphalt Pavement (RAP) crusher. The work is conducted at the Odessa Plant (Standard Industrial Classification No. 2951). The facility is located in Pasco County at 2315 Marathon Road in Odessa, Florida. The UTM coordinates are Zone 17, 340.7 km East, and 3119.5 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

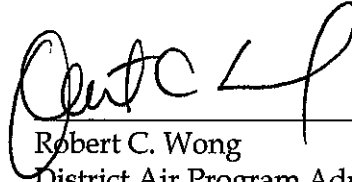
Section 4. Appendices

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.

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 Hillsborough County, Florida



Robert C. Wong
District Air Program Administrator
Southwest District

1/12/2012
Effective Date

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 1/13/2012 to the persons listed below.

Mark S. Marine, APAC - Southeast, Inc. (msmarine@apac.com)
Rodger T. Caldwell, V.P., Bottorf Associates, Inc. (roger@bottorf.com)

Clerk Stamp

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

Carol S. Moore 1/13/2012
(Clerk) (Date)

SECTION 1. GENERAL INFORMATION (FINAL)

FACILITY AND PROJECT DESCRIPTION

APAC - Southeast, Inc. Odessa Plant

The facility operates a drum hot mix asphalt concrete facility with a baghouse. A properly permitted portable recycle asphalt pavement (RAP) crusher can be brought on the asphalt concrete plant's site. Each crusher brought to the site may have a different owner. The existing facility consists of the following emissions units.

Facility ID No. 1010041	
ID No.	Emission Unit Description
001	Asphalt Concrete Facility with Baghouse
002	Portable RAP Crusher

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

Exempt Emission Units/Activities

- A diesel engine with a maximum of 335 HP and a maximum heat input rate of 2.35 MMBtu per hour (this corresponds to 16.0 gallons per hour of No. 2 fuel oil) powers the portable RAP crusher. If the engine is or becomes subject to 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines or 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, the engine shall comply with all limitations and requirements of the subpart.
[Rule 62-210.300(3)(a)35., F.A.C.]
- A diesel generator with a maximum 100-kw capacity and with a maximum heat input rate of 0.94 MMBtu per hour (this corresponds to 6.8 gallons per hour of No. 2 fuel oil) powers the other equipment such as conveyor belts. If the engine is or becomes subject to 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines or 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, the engine shall comply with all limitations and requirements of the subpart.
[Rule 62-210.300(3)(a)35., F.A.C.]
- A 1.4 MMBtu/hr (this corresponds to 10 gallons per hour of fuel oil) Hi-Way Oil heater (or asphalt heater) used to maintain asphalt in a liquid state at the proper temperature. This asphalt heater is fired with new/virgin No. 2 fuel oil having a maximum sulfur content not to exceed 0.3% by weight.
[Rule 62-210.300(3)(a)34., F.A.C.]
- The asphalt concrete facility may use a mineral or cellulose fiber stabilizing additive for specific Department of Transportation (DOT) projects.
[Rule 62-4.040, F.A.C.]

SECTION 1. GENERAL INFORMATION (FINAL)

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 62-213, F.A.C.
- The facility 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), carbon monoxide (CO) and hazardous air pollutants (HAPs).
- This asphalt concrete facility is subject to the attached New Source Performance Standards (NSPS) requirements of 40 CFR 60, Subpart I - *Standards of Performance for Hot Mix Asphalt Facilities* and the general provisions of 40 CFR 60, Subpart A, where applicable, which are adopted by reference in Rule 62-204.800, F.A.C.
- The portable RAP crusher is subject to the attached 40 CFR 60, Subpart OOO - *Standards of Performance for Nonmetallic Mineral Processing Plants* and the general provisions of 40 CFR 60, Subpart A, where applicable, which are adopted by reference in Rule 62-204.800, F.A.C.
- The asphalt plant with portable RAP Crusher is subject to the provisions of Rule 62-210.300(3)(c) 2. F.A.C., Conditional Exemptions from Title V Air Permitting.

PERMIT HISTORY/AFFECTED PERMITS

Replaces Permit No.1010041-009-AO

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

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

Florida Department of Environmental Protection
Southwest District Office
Air Resource Management Section
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: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest 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. - 40 CFR 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities
 - f. Appendix F. - 40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants
 - g. Appendix G. - 40 CFR 60, Subpart A - General Provisions
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

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

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. General Pollutant Emission Limiting Standards: Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants that cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere which by itself, or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rules 62-296.320(2) and 62-210.200, F.A.C.]
8. General Pollutant Emission Limiting Standards: Unconfined Emissions of Particulate Matter: The permittee shall take all reasonable precautions to prevent and control generation of unconfined emissions of particulate matter. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, industrial related activities such as loading, unloading, storing and handling, hoppers, conveying equipment, conveyor drop points, roads, parking areas, stock piles, and yards. Reasonable precautions for this facility shall include, but not limited, to the following:
 1. Paving and maintenance of roads, parking areas, and yards or the application of water to unpaved roads, parking areas, and yards to control emissions;
 2. The use of sprinklers on stock piles, if necessary;
 3. Removal of particulate matter from roads and other paved areas under control of owner or operator to mitigate re-entrainment, and from building or work areas to prevent particulate from becoming airborne; and
 4. Landscaping or planting of vegetation.

(Permitting Note: If operating experience indicates that these reasonable precautions are not sufficient to control unconfined emissions, the Department reserves the right to require additional measures, such as recordkeeping for water truck gallons applied, etc.)
[Rules 62-296.320(4)(c) and 62-210.300(3)(c)2.e., F.A.C.]
9. Fugitive Emissions Opacity Standard: In order to provide reasonable assurance that the precautions and practices taken at the plant are adequate, visible emissions of unconfined particulate matter at the plant's property line should not exceed 10% opacity. Exceedance of this limit shall not be considered a violation in and of itself, but an indication that additional control precautions and/or practices beyond those outlined in Specific Condition No. 8. may be necessary.
[Rule 62-4.070(3), F.A.C.]
10. Facility-Wide Fuel Oil 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.; Construction Permit AC51-200111]

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

11. **Facility-Wide Fuel Oil Usage Records:** In order to demonstrate compliance with Specific Condition No. 10., the permittee shall:

- a. Record monthly the type of fuel oil (i.e., new No. 2 fuel oil and on-specification reclaimed fuel oil) and quantity, in gallons, of each type of fuel oil used at the facility.
- b. Calculate and record monthly, in gallons, the most recent consecutive 12-months total amount of each type of fuel oil used at the facility.
- c. Calculate and record monthly, in gallons, the total amount of fuel oil (combined from all sources, which includes exempt emission activities that burn fuel oil) used at the facility.

The 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.]

12. **Fuel Oil Sulfur Content Limitation:** The sulfur content of on-specification reclaimed fuel oil shall not exceed 0.9% by weight. The fuel content of new No. 2 fuel oil shall not exceed 0.3% by weight. [Rule 62-4.070(3) F.A.C.; Construction Permit AC51-200111]

13. **Fuel Oil Sulfur Content Record:** In order to document continuing compliance with the sulfur content, in % by weight of the fuel oil used at the facility including the exempt emission activities, 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 determined by appropriate ASTM methods.

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

14. **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:

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*

*In order to be able to fire "on-specification" used/reclaimed fuel oil during startup, and shutdown. The firing of used/reclaimed fuel oil containing 2 ppm or greater of PCB's is prohibited. 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.]

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

15. Asbestos Containing Materials: This facility is not authorized to 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 serpentine (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 Nonfriable 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 Nonfriable 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.; and Rules 62-730.300 and 62-701.520, F.A.C.]

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

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

17. 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. The sulfur dioxide emissions from using fuel oil when producing asphalt product shall be determined using the US EPA AP-42, Table 1.3-1 and a reduction of 50% of the fuel bound sulfur, up to a maximum (as SO₂) of 0.1 lb of sulfur dioxide for each ton of asphalt product produced. (Note: one pound of sulfur produces two pounds of SO₂.)

[Rule 62-210.370(3), F.A.C.]

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

18. 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. A.13., B.14., and B.15. (if applicable) , if not previously submitted; and
- d. copies of the most recent month of records/logs specified in Specific Condition No(s). 11., A.14., B.16., B.17. (if applicable) and B.18.; and

[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. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Asphalt Concrete Facility with Baghouse

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	A Standard Havens rotary drum hot mix asphalt concrete facility. The asphalt concrete facility's dryer has a design throughput of 300 tons per hour (TPH). The permittee has agreed to operate in compliance with the provisions of Rule 62-210.300(3) (c) 2., F.A.C., (Conditional Exemptions From Title V Air Permitting). The primary fuel for the dryer is on-specification reclaimed fuel oil having a maximum sulfur content of 0.9% by weight. Backup fuel is new No. 2 fuel oil having a maximum sulfur content of 0.3% by weight. The design maximum heat input rate to the dryer is 115 MMBtu per hour. The maximum fuel oil consumption is approximately 852 gallons per hour of reclaimed fuel oil or 821 gallons per hour of new No. 2 fuel oil. Emissions are controlled by a Standard Havens Magnum 16.5 Series 40 baghouse control system.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements: This emissions unit is subject to the requirements of 40 CFR 60, Subpart I (See Appendix E) - Standards of Performance for Hot Mix Asphalt Facilities and the general provisions of 40 CFR 60, Subpart A (See Appendix G), where applicable, which are adopted by reference in Rule 62-204.800, F.A.C.
[40 CFR 60, Subparts A & I, Rule 62-204.800, F.A.C.]

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

Daily Average Maximum Production Rate of Hot Mix Asphalt Concrete (tons/hour)	Maximum Production of Hot Mix Asphalt Concrete (tons/any consecutive 12-month period)
300	500,000

{Permitting note: See Appendix D, Condition 1, for Operation Rate during Testing requirements.}
[Rules 62-210.200 ("Potential to Emit") and 62-210.300(3)(c)2.a., F.A.C.; Construction Permit AC51-200111]

A.3. Authorized Fuel: The asphalt concrete facility's dryer is authorized to be fired with fuel oil as follows:

- The primary fuel is on-specification reclaimed fuel oil with a maximum sulfur content of 0.9% by weight, or,
- The backup fuel is new No. 2 fuel oil having a maximum sulfur content of 0.3% by weight.

[Rules 62-210.300(3)(c)2.b. and 62-210.300(3)(c)2.c., F.A.C. and Construction Permit AC51-200111]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Asphalt Concrete Facility with Baghouse

- A.4. Restricted Operation: The hours of operation of the asphalt concrete facility's dryer shall not exceed the following:
- 1,716 hours per any consecutive 12-month period - While burning on-specification reclaimed fuel oil.
 - 2,600 hours per any consecutive 12-month period - Total hours of operation while burning reclaimed fuel oil and/or new No. 2 fuel oil.
- [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit AC51-200111]

EMISSIONS STANDARDS

- A.5. Particulate Matter Emissions Limit: Particulate emissions from the asphalt concrete plant's baghouse shall not exceed 0.04 grains per dry standard cubic foot averaged over a three (3) hour period.

(Permitting Note: Based on a average design airflow rate of 29,676 dscfm and 2600 hours/year of operation, the equivalent PM emissions are 10.2 lbs./hour and 13.23 tons/year)

[40 CFR 60 Subpart I, 60.92(a)(1) and adopted by reference in Rule 62-204.800(8)(b), F.A.C.; Construction Permit AC51-200111]

- A.6. Visual Emissions (VE) Limit: Visible emissions from the asphalt concrete plant's baghouse shall not be equal to or greater than 20% opacity.
- [40 CFR 60 Subpart I, 60.92(a)(2) and adopted by reference in Rule 62-204.800(8)(b), F.A.C.]

TESTING REQUIREMENTS

- A.7. 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.]
- A.8. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	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
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 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Asphalt Concrete Facility with Baghouse

- A.9. Visible Emission (VE) Testing: In order to document compliance with Specific Condition No. A.6., the permittee shall test for visible emissions from the asphalt concrete plant's baghouse annually during each federal fiscal year (October 1 - September 30).

(Permitting Note: The asphalt plant has been under long term reserve shut down since April 28, 2006. The asphalt plant must be tested within 60 days of startup and return to annual testing every federal fiscal year thereafter.)

[Rules 62-210.300(3)(c)2.i. and 62-297.310(7)(a), F.A.C.]

- A.10. Particulate Matter (PM) Testing: In order to document compliance with Specific Condition No. A.5., the permittee shall test for particulate matter emissions from the baghouse of the asphalt concrete plant annually during each federal fiscal year (October 1 - September 30).

[Rules 62-210.300(3)(c)2.i. and 62-297.310(7)(a), F.A.C.]

(Permitting Note: The asphalt plant has been under long term reserve shut down since April 28, 2006. The asphalt plant must be tested within 60 days of startup and return to annual testing every federal fiscal year thereafter.)

[Rules 62-210.300(3)(c)2.i. and 62-297.310(7)(a), F.A.C.]

- A.11. Additional Testing Requirements: The permittee shall comply with the following:

- a. A compliance test submitted when the dryer is fired with new No. 2 fuel oil will allow the dryer to be fired with new No. 2 fuel oil, and up to 400 hours of firing on-specification reclaimed fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with on-specification reclaimed fuel oil, a new compliance test shall be conducted with the dryer being fired with on-specification reclaimed fuel oil.
- b. A compliance test submitted when the dryer is fired with on-specification reclaimed fuel oil will allow the dryer to be fired with new No. 2 fuel oil and on-specification reclaimed fuel oil.
- c. A compliance test submitted when processing RAP shall limit the plant to processing only RAP. If the plant is so limited, within thirty (30) days upon processing virgin materials (conventional hot mix asphalt), a new compliance test shall be conducted using only virgin materials.
- d. A compliance test submitted when processing only virgin materials shall also allow the plant to process RAP.

[Rules 62-297.310(2) and 62-4.070(3), F.A.C.]

NOTIFICATION REQUIREMENTS

- A.12. Test Notification: 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.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Asphalt Concrete Facility with Baghouse

(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

A.13. 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. Include the following for the test period in the test report submittal*:

- a. facility name, facility ID, and Emission Unit number;
- b. date;
- c. production rate of hot mix asphalt concrete in tons/hour and whether RAP is used in the mix or not;
- d. type and usage (gallons) of fuel oil burned;
- e. fuel oil analysis of the sulfur content of the fuel oil used;
- f. on-specification reclaimed fuel oil analysis to document compliance with the on-specification reclaimed fuel oil limits (if applicable); and
- g. a copy of the log for the day the test was conducted and the monthly log for the month the test was conducted (as required by Specific Condition No. A.14.)

**Failure to submit this information may invalidate the test.*

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

A.14. Operation Records : The owner shall maintain the following records;

Daily:

- a. facility name, facility ID No., emission unit ID No., and description (i.e., APAC - Southeast, Inc., 1010041, EU 001, Asphalt Concrete Facility with Baghouse);
- b. date;
- c. Daily record the pressure drop across the baghouse during normal operation.
- d. Daily record the total production, in tons, and type [virgin/conventional or recycled asphalt pavement (RAP)] of hot mix asphalt concrete produced.
- e. Daily record the type and quantity of each type of fuel oil used to fire the asphalt concrete facility's dryer along with the total hours each type of fuel oil was used. If the last compliance test was conducted when the dryer was fired with new No. 2 fuel oil, then a daily cumulative total of the hours the dryer was fired with on-specification reclaimed fuel oil since that last test shall also be recorded until the 400th hour is recorded. (See Specific Condition No. A.11.b.)
- f. Daily record the type and quantity of the fuel oil used to fire the asphalt heater.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Asphalt Concrete Facility with Baghouse

- g. Daily record the total operating hours of producing hot mix asphalt concrete.
- h. The daily average tons/hour rate of producing hot mix asphalt concrete.

Monthly (monthly total and consecutive 12-month total):

- i. Tons of asphalt concrete produced.
- j. Gallons of all fuel oil consumed.
- k. Hours of operation that on-specification reclaimed fuel oil was used in the asphalt concrete facility's dryer.
- l. Hours of operation that new fuel oil was used in the asphalt concrete facility's dryer.
- m. Total hours of operation that any fuel oil was used in the asphalt concrete facility's dryer.

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 5 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.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

B. EU No. 002 Portable RAP Crushing System

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	A portable RAP Crushing System owned and operated by a different company is occasionally brought on site to crush the RAP into a smaller size that can be used in the manufacturing of new hot mix asphalt. The RAP crushing system will crush a maximum of 125,000 tons of RAP per any consecutive 12-month period. The crushing system utilizes an exempt diesel fired engine. When the RAP crushing system is operated at this facility, APAC - Southeast, Inc. is responsible for all operations and emissions at this facility.

PERFORMANCE RESTRICTIONS

B.1. Federal Regulatory Requirements:

- a. If any affected piece(s) of equipment of the 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 F.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix G.), then Specific Condition Nos. B.5., B.7. - B.15., B.17. and B.18.f do not apply.
- b. If any affected piece(s) of equipment of the 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 F.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix G.), where applicable, then all of the following specific conditions apply.

[Rules 62-4.070(3) and 62-204.800(8), F.A.C.; 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 applicable terms and conditions contained in this Air Permit.

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

- B.3. Permitted Capacity: This emission unit is limited to a maximum throughput of uncrushed RAP of 125,000 tons per any consecutive 12-month period.

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

[Rule 62-210.200 (Potential to Emit), F.A.C.; Construction Permit 1010041-007-AC]

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- 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:

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

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

EMISSIONS STANDARDS

- B.5. Visible Emissions: 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	Loading Hopper to Crusher	15**	12**
3	Crusher	15**	12**
4	Crusher to Conveyor 1	15**	12**
5	Conveyor 1 to Screen	10**	7**
6	Screen	10**	7**
7	Screen to Conveyor 4	10**	7**
8	Conveyor 4 to Stacking Conveyor	10**	7**
9	Screen to Oversized Conveyor 2	10**	7**
10	Oversized Conveyor 2 to Oversized Conveyor 3	10**	7**
11	Oversized Conveyor 3 to Loading Hopper	10**	7**
12	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 4/22/2008.

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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 12 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 Nos. 2 & 3 and 5 & 6 are at the same location and require only one VE test.

[40 CFR 60.672 and Rule 62-296.320(4)(b), F.A.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, screen, and the conveyor drop points.
[Rules 62-4.070(3) and 62-296.320(4), 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 to the Compliance Authority 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 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.7. is not available, the permittee shall test Emission Point Nos. 2 through 11 (as applicable) for visible emissions as soon as possible but no later than 30 days of placing the crushing system into operation after the effective date of this permit. 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.5. In addition, the daily average crushing rate is limited to 110% of the rate at which the most recent compliance test was conducted until a new test is conducted as required by Section 5, Appendix D, No. 1. If

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the crusher remains on-site, the crushing system shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30) the crushing system is on-site. [Rules 62-4.070(3) and 62-297.310 (7)(a), F.A.C.]

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 permit 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.8., 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(s) - Required tests shall be performed in accordance with the following reference method(s).

Method(s)	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.; Appendix A-4 of 40 CFR 60]

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

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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 expediently as practical if water is not flowing properly during the inspection.

[40 CFR 60, 60.674(b)]

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.]

RECORDKEEPING REQUIREMENTS

- 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 permit. 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 logs as required by Specific Condition No. B.16. for the day and 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.5. 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.13.*). The test reports must include the information specified in Specific Condition No. B.14. a.-g. above.

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

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- B.16. Operation Records: The permittee shall determine and record daily the portable RAP Crusher's material processing rate (tons/hour, daily average) as follows:

For each day that the portable RAP crusher operates, the permittee shall record the following:

- 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);

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

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 No. 2 fuel oil burned; and
- i. most recent consecutive 12-month rolling total of fuel oil consumed.

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month.

[Rule 62-4.070(3), 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*);

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- 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.]

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C. Common Conditions for EU Nos. 001 and 002

NOTIFICATION REQUIREMENTS

- C.1. Start-Up Notification: The permittee of this emission unit which has a valid air operation and if it is shutdown more than one (1) year, shall notify the Compliance Authority in writing of the asphalt plant start-up a minimum of 60 days prior to the intended startup date.
- a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to the process or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
 - b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Air Compliance Section of the Department's Southwest District Office as soon as possible after the date of such startup is ascertained.
 - c. The notification shall include a statement that the startup does not constitute any modification or reconstruction pursuant to Chapter 62-210, F.A.C. or any federal regulation adopted by reference at Rule 62-204.800, F.A.C.
 - c. The permittee shall also notify the Compliance Authority in writing of the asphalt plant's actual startup date within 7 calendar days of that date.

[Rules 62-210.300(2)(a)4. and 62-210.300 (5), F.A.C.]