Florida Department of Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
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. 7775280-009-AO
Permit Expires: XX/XX/2016
Site Name : Winter Haven Plant
Minor Air Operation Permit
Project Name: Permit Renewal

This is the final air operation permit, which authorizes the continued operation of a relocatable drum mix asphalt plant. The work is conducted at the APAC-Southeast, Inc., Winter Haven Plant (Standard Industrial Classification No. 2951). This is a relocatable facility currently located in Polk County at 1445 42nd Street NW in Winter Haven, Florida. The UTM coordinates are Zone 17, 423.32 km East, and 3101.90 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 construction 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

_____ _____

Cindy Zhang-Torres, P.E. Effective Date
Air Permitting Manager
Southwest District

CERTIFICATE OF SERVICE

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

Mr. Mark Marine
APAC Southeast, Inc.
msmarine@APAC.com

Mr. Randy Gaines
APAC Southeast, Inc.
nrgaines@APAC.com

Mr. Roger T. Caldwell
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.

_____ _____

(Clerk) (Date)

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 before use in the asphalt mix. The existing facility consists of the following emissions units.

Facility ID No. 7775280	
ID No.	**Emission Unit Description**
001	Relocatable Drum Mix Asphalt Plant with Baghouse
003	Portable 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 Astec Industries, Inc. hot asphalt oil heater rated at a maximum of 1.2 MMBtu/hr. The heater is fired with natural gas or new diesel fuel oil having a maximum sulfur content of 1.0% by weight.

Permitting Note: This heater was previously permitted as Emission Unit 002.

[Rule 62-210.300(3)(a)34., F.A.C.]

A 50 tons/hour Astec Industries, Inc., recycle lump breaker system. RAP is dropped onto a screen. The appropriate size material passes through the screen onto a conveyor to the asphalt plant. The larger clumps are transported via conveyor to the lump breaker where the RAP is broken up and transported via conveyor back to the screen.
[Rule 62-210.300(3)(b)1., F.A.C.]

A 650 barrel Astec lime storage silo, Model No. DA-650. The silo is equipped with a Jet Vent baghouse, Model No. OF.06C.
[Rule 62-210.300(3)(b)1., F.A.C.]

A 320 HP (maximum) engine and a 100 kW electric power generator with a maximum design heat input rate of 2.24 and 0.94 MMBtu/hour, respectively for the RAP crushing system. Both engines are fired with No. 2 fuel oil. If any engine is or becomes subject to 40 CFR 60, Subpart IIII, 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 (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 (PM_{10}), sulfur dioxide (SO_2), carbon monoxide (CO) and hazardous air pollutants (HAPs).
- This facility is regulated under Rule 62-210.300(3)(c)2., F.A.C., Conditional Exemptions from Title V Permitting.
- The relocatable 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.

PERMIT HISTORY/AFFECTED PERMITS

Replaces Operation Permit Nos. 7775280-003-AO and 7775280-006-AO (as amended by Amendment Letter 7775280-007-AO). Incorporates Construction Permit 7775280-008-AC except for any reference to burning Parsons BFO-1 bio fuel. The initial compliance testing requirement while burning the bio fuel in the construction permit has not been completed.

Administrative Requirements

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 appropriate District or Local Air Program having jurisdiction over the current site. The mailing addresses and phone numbers of the Districts and Local Air Programs are in Appendix H and Appendix I.

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

h. Appendix H. - District Air Programs

i. Appendix I. - Local Air Programs

j. Appendix J - Permitted Counties

k. Appendix K - 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 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. Relocation to a Previously Authorized County - At least thirty (30) days prior to relocating the facility to a site in a county previously authorized (see Appendix J - Permitted Counties), the permittee shall notify the Air Compliance Section of the appropriate District Office(s) or Local Air Program Office(s) having jurisdiction over the current site and the relocation site (see Appendix H or I). The notification shall be on DEP Form 62-210.900(6), F.A.C. – Facility Relocation Notification. A permit amendment and amendment fee are not required. The form may only be used if the facility is currently authorized by this permit to locate in the county to which it intends to operate. **As of the effective date of this permit, the only county the facility is currently authorized to operate in is Polk County.**
[Rules 62-210.370(4) and 62-210.900(6), F.A.C.; Construction Permit 7775280-008-AC]

8. Relocation to a Proposed New (Unauthorized) County - If the facility is not currently authorized to locate in the county to which it intends to relocate, a permit application [DEP Form 62-210.900(3)] with the appropriate fee must be submitted to apply for authorization to locate to that county. The application (with fee) shall be submitted to the Air Permitting Section of the appropriate District Office or Local Air Program Office in the county having permitting jurisdiction over the relocation site for processing as a modification to the existing operation permit under Rule 62-4.080, F.A.C. (see Appendix H or I)
[Rules 62-4.080, 62-210.300(1), and 62-210.900, F.A.C.; Construction Permit 7775280-008-AC]

9. Collocation Requirement - This facility shall not collocate with, or relocate to, any Title V source; nor shall it create a Title V source in combination with any other collocated facilities, emissions units, or pollutant-emitting activities, including any such facility, emissions unit, or activity that is otherwise exempt from permitting.
[Rule 62-210.300(3)(c)2.j., F.A.C.]

10. 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's document AP-42, Table 1.3-1 and a reduction of 50% of the fuel bound sulfur, up to a maximum (as SO_2) of 0.1 lb of sulfur dioxide for each ton of asphalt product produced. *(Note: One pound of sulfur produces two pounds of SO_2.)*
[Rules 62-4.070(3), 62-210.300(3)(c)2. and 62-210.370(3), F.A.C.]

11. 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.15 and B.16, if not previously submitted; and

d. copies of the most recent two months of records/logs specified in Specific Condition Nos. A.14, B.17., B.18., and B.19. (as applicable).

[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.]

Facility Wide Specific Conditions

12. 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.]

13. Facility-Wide Fuel Usage Records - In order to demonstrate compliance with Specific Condition No. 12., the permittee shall monthly record the type of fuel oil (i.e., new No. 2 fuel oil, new No. 4 fuel oil, new No. 5 fuel oil, and on-specification reclaimed fuel oil) and quantity, in gallons, of each type of fuel oil used at the facility. The permittee shall monthly calculate and record the most recent consecutive 12-month period total amount of fuel oil in gallons for each fuel oil type and the total (combined from all sources, which includes exempt emission activities that burn fuel oil) amount of fuel oil in gallons. The permittee shall monthly calculate and record the amount of natural gas burned for AOR reporting purposes.
[Rules 62-210.300(3)(c)2.g. and 62-4.070(3), F.A.C.; Construction Permit 7775280-008-AC]

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

15. Fuel Sulfur Content Record - In order to document continuing compliance with the sulfur content limitation in Specific Condition No. 14., in % 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. 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.]

16. 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

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

17. 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 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.]

18. Unconfined Emissions of Particulate Matter - In addition to the conditions in Appendix C., Condition 9, the following reasonable precautions shall be followed:

a. Paved parking and trafficked areas shall be maintained and kept free of PM build-up;

b. Sprinkling with water shall be used, as necessary, on paved areas, unpaved areas, stockpiles and during loading/unloading operations;

c. Removal of PM from roads to prevent re-entrainment, and from building and work areas to prevent particulates from becoming airborne;

d. Landscaping or planting of vegetation;

e. Prevention of 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

f. 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 and/or the Approved Local Air Program Office (if applicable) reserve the right to require additional measures, such as recordkeeping for water truck gallons applied, etc.
[Rule 62-4.070(3), 62-210.300(3)(c)2.e. and 62-296.320(4)(c), F.A.C.; Construction Permit 7775280-008-AC]

19. Fugitive Emissions Opacity Standard - In order to provide reasonable assurance that the precautions and practices taken at the plant are adequate, emissions of unconfined particulate matter from the non-process emission sources should not exceed 10% opacity. If the 10% opacity (indicator value) is exceeded, it shall not be a violation in and of itself, but an indication that additional control precautions and/or practices beyond those outlined in Specific Condition No. 18 may be necessary.
[Rules 62-4.070(3), F.A.C.; Construction Permit 7775280-008-AC]

20. Records Retention – All records shall be recorded in a permanent form suitable for inspection upon request by the Department and/or the approved local program which has permitting/compliance jurisdiction and shall be kept at the facility for a minimum of the most recent five (5) year period.
[Rules 62-4.070(3) and 62-210.300(3)(c)2.g., F.A.C.]

A. EU No. 001 Relocatable Drum Mix Asphalt Plant with Baghouse

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	This emissions unit is an Astec Industries, Incorporated, Model No. RDB-350T, double barrel drum mix asphalt concrete plant equipped with a 120 MMBtu/hour dryer capable of firing on-specification reclaimed fuel oil, new No. 2 distillate fuel oil, new No. 4 residual fuel oil, new No. 5 residual fuel oil, and natural gas. The fuel oil has a maximum sulfur content of 1.0% by weight. The maximum production of the drum mixer is 350 tons per hour of asphalt concrete. The asphalt concrete product may be 100% conventional (virgin) asphalt concrete or the asphalt concrete may contain reclaimed asphalt pavement (typically up to 50% of the mix) and/or non-asbestos containing shingles (or a blend of 50% sand and 50% non-asbestos containing shingles, up to 10% of the mix). Particulate matter emissions from the asphalt plant are controlled by an Astec Industries, Inc., Model RBH-58 baghouse control system.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements - This emission unit is subject to the requirements of the attached 40 CFR 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (see Appendix E.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix G.), where applicable, which are adopted by reference in Rule 62-204.800(8), F.A.C.
[Rule 62-204.800(8), F.A.C.; 40 CFR 60, Subparts A and I]

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

EU ID No.	Brief Description	Maximum Hours of Operation (hours/consecutive 12-month period)	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)
001	Drum Mix Asphalt Plant	4,000	350[1]	500,000

[1] The asphalt concrete product may be 100% conventional (virgin) asphalt concrete or the asphalt concrete may contain reclaimed asphalt pavement (typically up to 50% of the mix) and/or non-asbestos containing shingles (or a blend of 50% sand and 50% non-asbestos containing shingles, typically up to 10% of the mix).

[Rules 62-210.200 ("Potential to Emit") and 62-210.300(3)(c)2.a., F.A.C.; Construction Permit 7775280-008-AC]

A.3. Authorized Fuel - The following fuels are allowed:

a. 100% natural gas;

b. new No. 2 fuel oil;

c. new No. 4 fuel oil;

d. new No. 5 fuel oil; and

e. on-specification reclaimed fuel oil.

[Rule 62-210.200 ("Potential to Emit"), F.A.C.; Construction Permit 7775280-008-AC]

EMISSIONS STANDARDS

A.4. Visible Emission (VE) Limitation - Visible emissions associated with the asphalt concrete plant shall be less than 20% opacity, except when operating within a particulate matter maintenance area. More stringent visible emissions standards apply in air quality maintenance areas for particulate matter. When subject to both limits, the more stringent limit shall take precedence.
[40 CFR 60 Subpart I, 60.92(a)(2) and adopted by reference in Rule 62-204.800(8), F.A.C. and Rule 62-210.300(3)(c)2.f., F.A.C.; Construction Permit 7775280-008-AC]

A.5. Particulate Matter (PM) Limitation - Particulate emissions, associated with the asphalt concrete plant, shall not exceed 0.04 grains per dry standard cubic foot averaged over a three (3) hour period.

(Permitting Note: Based on a design airflow rate of 35,000 dscfm and 4000 hours/year of operation, the equivalent PM emissions are 12.0 lbs./hour and 24.0 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.; Rule 62-210.300(3)(c)2.d., F.A.C.]

TESTING REQUIREMENTS

A.6. Visible Emission (VE) Testing - In order to document compliance with Specific Condition No. A.4., the permittee shall test for visible emissions from the asphalt concrete plant's baghouse 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.; Construction Permit 7775280-008-AC]

A.7. 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.; Construction Permit 7775280-008-AC]

A.8. 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(7)(a)9., F.A.C.]

A.9. Test Requirement-Fuel Type **-** The facility shall comply with the following:

a. A compliance test submitted when the dryer is fired with a natural gas will automatically constitute an amended permit to allow the dryer to be only fired with natural gas and up to a total of 400 hours of firing new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 4 fuel oil, and/or new No. 5 fuel oil prior to triggering a requirement for additional compliance testing. Within 30 days of exceeding the 400th hour of firing the dryer with new No. 2 fuel oil, on-specification reclaimed fuel oil, new No. 4 fuel oil, and/or new No. 5 fuel oil, new compliance tests shall be conducted when the dryer is fired with the worst fuel oil that was used during the 400-hour period. The fuel is ranked as follows from the worst to the best:

   - new No. 5 fuel oil (worst)
   - new No. 4 fuel oil
   - on-specification reclaimed fuel oil
   - new No. 2 fuel oil (best)

b. A compliance test submitted when the dryer is fired with a new No. 2 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with natural gas or new No. 2 fuel oil, and up to a total of 400 hours of firing on-specification reclaimed fuel oil, new No. 4 fuel oil, and/or new No. 5 fuel oil prior to triggering a requirement for additional compliance testing. Within 30 days of exceeding the 400th hour of firing the dryer with on-specification reclaimed fuel oil, new No. 4 fuel oil, and/or new No. 5 fuel oil, new compliance tests shall be conducted when the dryer is fired with the worst fuel oil that was used during the 400-hour period.

c. The requirement to conduct additional testing, based on firing the dryer with the worst type of fuel oil, shall continue to progress as shown above from the best ranked fuel oil through the use of the worst fuel oil, which is new No. 5 fuel oil. Therefore, a compliance test submitted when the dryer is fired with new No. 5 fuel oil will automatically constitute an amended permit to allow the dryer to be fired with natural gas, new No. 2 fuel oil, on-specification reclaimed fuel oil, or new No. 4 fuel oil without triggering additional compliance testing.

Rules 62-4.070(3) and 62-297.310(7), F.A.C.; Construction Permit 7775280-008-AC]

A.10. Test Requirement -Asphalt Concrete Type **-** Testing shall be conducted when only conventional/virgin material (no RAP and/or non-asbestos containing shingles) is supplied to the asphalt concrete plant.
[Rule 62-4.070(3) F.A.C.; Construction Permit 7775280-008-AC]

A.11. 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 methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.
[Rules 62-204.800, 62-210.300(3)(c)2.i., and 62-297.401, F.A.C.; Appendix A of 40 CFR 60]

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.

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 to the Compliance Authority 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 including a statement that indicates that conventional/virgin asphalt concrete was produced;

d. type and usage rate (cubic feet, gallons) of fuel burned;

e. a copy of the most recent fuel oil analysis to document the sulfur content of the fuel oil used (if applicable);

A.13. *(continued)*

f. on-specification reclaimed fuel oil analysis to document compliance with the on-specification reclaimed fuel oil limits (if applicable);

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.; and

h. pressure drop across the baghouse (in inches of water); and

i. a visible emission test report for each RAP crushing system that used an off-site VE test to comply with Specific Condition No. B.8., since the previous asphalt plant emissions test *(see Specific Condition No. B.15.)*.

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

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.; Construction Permit 7775280-008-AC]

A.14. Operation Records - In order to document continuing compliance with Specific Condition No. A.2., 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., 7775280, EU 001, drum mix asphalt plant);

b. date;

c. total asphalt concrete production, in tons;

d. hours of operation;

e. tons/hr. daily average production rate of asphalt concrete;

f. pressure drop across the baghouse during normal operations, in inches of water;

Monthly**:**

g. facility name, facility ID No., emission unit ID No., and description (i.e., APAC Southeast, Inc., 7775280, EU 001, drum mix asphalt plant);

h. total tons of asphalt concrete produced for the month (tons);

i. most recent consecutive 12-month period total tons of asphalt concrete produced (tons/consecutive 12-month period);

j. total hours of operation;

k. most recent consecutive 12-month period total hours of operation;

l. type and quantity (gallons) of fuel oil burned;

m. most recent consecutive 12-month total for each fuel oil type used, in gallons;

A.14. *(continued)*

n. most recent consecutive 12-month combined total for all fuel oil types used, in gallons; and

o. quantity (cubic feet) of natural gas burned (for AOR reporting).

Daily records shall be completed within 3 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.]

A.15. Additional Fuel Oil Usage Recordkeeping - If the last compliance test was conducted while the dryer was fired with any fuel type other than new No. 5 fuel oil, the permittee shall keep a daily record of the dryer's operating hours while firing any of the permitted fuel oils that are worse (see Specific Condition No. 9. for ranking of fuel oils) than the fuel oil fired during the compliance test and the cumulative total operating hours of the dryer since the last compliance test while firing those fuel oils.

(Permitting Note: Additional compliance testing may be required if the dryer's operating hours while burning any fuel oil that is worse than the fuel fired during the last compliance test exceeds 400 hours. (see Specific Condition No. A.9.))

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

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
003	A portable RAP crushing system may be owned by a different company and is brought on-site from time to time to crush the RAP into a smaller size that can be used in the manufacture of hot mix asphalt concrete. The RAP crusher's feed bin may also receive pre-chopped non-asbestos containing shingles (or a blend of 50% sand and 50% non-asbestos containing shingles). The crusher is powered by a 320 HP (maximum) diesel engine and 100 KW power generator with the maximum design heat input rate of 2.24 and 0.94 MMBtu/hr, respectively. They are fired with No. 2 fuel oil. The crushing system shall have a maximum total throughput of 125,000 tons of RAP/shingles per any consecutive 12-month period.

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 F.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix G.), where applicable, then the only conditions in this section (Section 3.B.) that apply are Specific Condition Nos. B.2., B.3., B.4., B.5., B.7., B.17., and B.19.a.-e.

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 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.

[40 CFR 60, Subparts A and OOO; Construction Permit 7775280-008-AC]

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 Operation Permit.
[Rule 62-4.070(3) F.A.C.; Construction Permit 7775280-008-AC]

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

EU ID No.	Brief Description	Hours of Operation (hours/any consecutive 12-month period)	Maximum throughput of RAP/shingles at this facility (tons/any consecutive 12-month period)
003	RAP Crushing System*	2,000	125,000

*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.; Construction Permit 7775280-008-AC]

B.4. Permitted Capacity Limitation - Only pre-chopped non-asbestos containing shingles from the GAF Materials Corporation (Facility ID No. 0570056) located at 5138 Madison Avenue, Tampa, Hillsborough County shall be received and processed.

Permitting Note: The non-asbestos containing shingles from the GAF Materials Corporation are chopped at APAC – Southeast, Incorporated's facility (Facility ID No. 0570223) located at 6701 East Hanna Avenue, Tampa, Hillsborough County before being received at this facility.

[Rule 62-4.070(3); Construction Permit 7775280-008-AC]

B.5. 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 K for a flow diagram of the RAP Crushing System).

Emission Point No.	Brief Description
1	Drop to Loading Hopper
2	Loading Hopper to Crusher
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 Oversized 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.; Construction Permit 7775280-008-AC]

EMISSIONS STANDARDS

B.6. 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	Loading Hopper to Crusher	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 Oversized Conveyor 2	10**	7**
9	Oversized Conveyor 2 to Oversized Conveyor 3	10**	7**
10	Oversized Conveyor 3 to 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 4/22/2008.

[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 Nos. 4 & 5 are at the same location and require only one VE test.

[Rules 62-210.200 ("Potential to Emit") and 62-296.320(4)(b), F.A.C.; 40 CFR 60.672(b) and (c); Construction Permit 7775280-008-AC]

B.7. 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(4)(c), F.A.C.; Construction Permit 7775280-008-AC]

TESTING REQUIREMENTS

B.8. Visible Emissions Test Requirements - In order to determine compliance with the visible emission limitations of Specific Condition No. B.6. 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.9.) or shall test on-site according to Specific Condition Nos. B.10. - B.12., 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.; Construction Permit 7775280-008-AC]

B.9. Off-Site Test Requirements - An off-site test may be accepted by the Department provided the required documentation listed in Specific Condition No. B.15., below can be provided with the test report required in Specific Condition No. B.16., 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.6., 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.; Construction Permit 7775280-008-AC]

B.10. On-Site Test Requirements – If adequate documentation as required by Specific Condition No. B.9. is not available, the permittee shall test Emission Point Nos. 2 through 10 (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. 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 permit.
[Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C.; Construction Permit 7775280-008-AC]

B.11. 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.

B.11. *(continued)*

c. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with Specific Condition B.6., 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.12. 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.; 40 CFR 60, Appendix A-4]

MONITORING REQUIREMENTS

B.13. 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 expediently as practical if water is not flowing properly during the inspection.
[40 CFR 60, 60.674(b)]

NOTIFICATION REQUIREMENTS

B.14. 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.; Construction Permit 7775280-008-AC]

RECORDS AND REPORTS

B.15. 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 monthly log as required by Specific Condition No. B.17. for the month the test was conducted.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.; Construction Permit 7775280-008-AC]

B.16. Off-Site RAP Crushing System Test Reports - When demonstrating compliance with Specific Condition No. B.6. 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 relocatable 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.15.a.-g. above.
[Rule 62-4.070(3), F.A.C.; Construction Permit 7775280-008-AC]

B.17. 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/shingle 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/shingle throughput (tons);

g. most recent consecutive 12-month rolling total RAP/shingle 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.

For each load of pre-chopped non-asbestos containing shingles received:

j. facility name, facility ID No., and emission unit ID No.;

k. date of delivery.

l. amount of pre-chopped non-asbestos containing shingles received, in tons.

m. certification signed and dated by the facility's plant manager that contains the statement, "The non-asbestos containing shingles received are only from the GAF Materials Corporation located at 5138 Madison Avenue, Tampa, Hillsborough County."

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.; Construction Permit 7775280-008-AC]

B.18. 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.13.)*
[40 CFR 60, 60.674(b)]

B.19. 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); Construction Permit 7775280-008-AC]