Florida Department of Environmental Protection

Northeast District
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Jacksonville, Florida 32256

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Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

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

Air Permit No. 7770037-013-AO
Date of Issue: December 1, 2011
Expiration Date: December 1, 2016

Authorized Representative:
Mark S. Marine, Division President

Non-Title V Air Operation
Renewal

This is the final air operating permit, which authorizes the renewal of the Greenville Facility, which is a relocatable Asphalt Plant (Standard Industrial Classification No. 2951). The facility is located at 1212 NW US 221, Greenville, in Madison County, Florida. The UTM coordinates are Zone 17, 393.62 km East, and 3303.85 km North.
This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution operation 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.).

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 Jacksonville, Florida

Christopher L. Kirts, P.E.
District Air Program Administrator

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) 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 December 2, 2011, to the persons listed below.

Roger T. Caldwell, V.P. Environmental Division, Bottorf Associates, Inc. (roger@bottorf.com)
Mark S. Marine, Division President, APAC-Southeast, Inc. (msmarine@apac.com)
Paul Sweet, Regional Operations Manager, APAC-Southeast, Inc. (Paul.Sweet@apac.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) 12/2/2011 (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The existing facility consists of the following emissions units.

ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant w/ Baghouse
003	RAP Crushing Operation

All Emission Points from the crushing operation are listed below.

ID No.	Emission Point Description
EP01	RAP Crusher/Grinder
EP02	Conveyor Drop Points
EP03	RAP Screener

Definition for Hot Mix Asphalt Plant

According to Florida Administrative Code, "Asphalt Concrete Plant" or "Hot Mix Asphalt Plant" is defined as any facility that produces hot mix asphalt by heating and drying aggregate and mixing with asphalt cements. [Rule 62-210.200(34), F.A.C.]

For New Source Performance Standards (NSPS), "Hot Mix Asphalt Facility" means any facility used to manufacture hot mix asphalt by heating and drying aggregate and mixing with asphalt cements. A hot mix asphalt facility is comprised only of any combination of the following: dryers; systems for screening, handling, storing, and weighing hot aggregate; systems for loading, transferring, and storing mineral filler, systems for mixing hot mix asphalt; and the loading, transfer, and storage systems associated with emission control systems.

The facility is allowed to process virgin/conventional asphalt with reclaimed asphalt pavement (RAP). The facility consists of a baghouse (BCE Model 400) to control particulate matter emissions from the drum mixer. The facility also consists of these unregulated emission points: 1) Diesel Engine, and 2) Generator.

Reclaimed Asphalt Pavement (RAP) Crusher

In the reclamation process, old asphalt pavement is removed from the road base. This material is then transported to the plant, and is crushed and screened to the appropriate size for further processing. The crusher is an affected facility of NSPS, Subpart OOO. The crusher is not one of the affected facilities for "Hot Mix Asphalt Facility" as defined by NSPS.

OPERATING LOCATION

Currently, the facility is operating at 1212 NW US 221, Greenville, Madison County, Florida. The facility is authorized to locate in the counties listed in this permit, provided the preconditions for relocation, as provided by this permit, are met. The facility is not authorized to locate in any county not listed in this permit. The facility is not authorized to relocate to any other location in any county listed without having first fully complied with all requirements of this permit, for relocation.

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.

These emissions unit are regulated under the following:
NSPS, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities
NSPS, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants
Rule 62.210.300(3)(c)2, F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Florida Department of Environmental Protection (Department). The mailing address is 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to this District office.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Florida Department of Environmental Protection (Department). The mailing address is 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to this District office.

3. Appendices: The following Appendices are attached as part of this permit:
   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions;
   d. Appendix D. Common Testing Requirements

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: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Application for Non Title V Permit Renewal: This permit authorizes operation of the permitted emissions units. The permittee shall apply for a Non-Title V air operation permit renewal (DEP Form No. 62-210.900(4), F.A.C.) at least 60 days prior to expiration of this permit. To apply for a Non-Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, F.A.C.]

8. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.

9. The I.D. No. and Project name for this source shall be used on all correspondence.

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant w/ Baghouse

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. **Hours of Operation:** The hours of operation of this emissions unit are not restricted.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., Air Construction Permit 7770037-011-AC].

2. **Permitted Capacity**: The maximum operating rates are listed below and shall not be exceeded without prior Department approval.

Material	Limits [NOTE (1)]	Applicable Rule
Asphalt Concrete Production	300 TPH / 500,000 TPY	62-210.300(3)(c)2.a., F.A.C.
Fuel	714 gallons/hour 1.2 million gallons/year **[NOTE (2)]**	62-210.300(3)(c)2.b., F.A.C.

NOTE (1): For any consecutive 12-month period.
NOTE (2): The fuel oil usage for the crusher (EU003) shall be included as part of the facility wide fuel oil usage limitation of 1.2 million gallons in any consecutive 12-month period.

3. **Permitted Fuel(s):** The dryer is allowed to burn natural gas, new/virgin No. 2 fuel Oil, No. 5 Fuel Oil and "On-specification" used oil. Burning of "On-specification" reclaimed/used oil is allowed during startup and shutdown period only if the maximum concentration of PCBs is less than 2 ppm.
[Rule 62-210.200(PTE), F.A.C., and 40 CFR 761.20(e)(3)]

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

4. **Fuel Sulfur Content Limits:** The fuel types and the sulfur content are listed below and shall comply with the fuel oil limitations:

Fuel Type	Maximum Sulfur Content
Natural Gas	N/A
New/Virgin No. 2 Fuel Oil	0.30 %, by weight
New/Virgin No. 5 Fuel Oil	0.90 %, by weight
On-Specification recycled/used No. 5 fuel Oil	0.90 %, by weight
Bio-Fuel	0.50 %, by weight

[Rule 62-210.200(PTE), F.A.C.]

5. **On-Specification Used Oil:** Biofuel shall be limited to on-spec oil. The burning of off-specification used oil is prohibited. For each shipment of on-specification used fuel oil and prior to blending

with any fuel oil authorized for this emissions unit, the on-specification used oil shall be incompliance with the following specifications of 40 CFR 761.20(e)(2) and (3) and 40 CFR 279.11.

On-Spec Used Oil Specifications	
Pollutant	**Allowable Level**
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1,000/4,000 ppm maximum **[NOTE (1)]**
Flash Point	100°F minimum
PCBs	**[NOTE (2)]**

NOTE (1): Levels over 1000 ppm require additional testing [40 CFR 279.11]
NOTE (2): On-specification used oil may be fired as follows:

1. At any time provided the maximum concentration of PCBs shall be less than 2 ppm whether generated on or off-site. The analysis and recordkeeping requirements apply to each amount prior to blending even if to be blended with 90% virgin oil.
2. Only during normal operation temperature and not during startup or shutdown if the maximum concentration of PCBs is ≥ 2 but < 50 ppm [40 CFR 761.20(e)]

Compliance with the above levels shall be shown by the analyses and record requirements of 40 CFR 279.72, if the on-specification oil is generated at the facility. If the on-specification oil is generated elsewhere, the owner or operator shall obtain from the vendor, for each load of used oil received, a certification that the used oil meets the specifications for on-specification used oil as stated in this condition. This certification shall also describe the basis for the certification, such as analytical results.

6. Emission Limits: The permitted maximum allowable emission rate for each pollutant is as follows:

Pollutant	Limits			Applicable Rule
Particulate Matter	0.04 gr/dscf 3-hour average	10.22 lbs/hr **[NOTE (1)]**	22.01 TPY **[NOTE (1)]**	62-204.800 62-210.300(3)(c)2.d. 40 CFR 60.92(a)(1)
Visible Emissions	< 20%			40 CFR 60.92(a)(2) 62-210.300(3)(c)2.f., F.A.C.

N**OTE (1):** Basis: NSPS (0.04 gr/DSCF); 66,000 DSCFM

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

7. **Emissions Test:** The permittee shall demonstrate compliance with the emissions limiting standards and work practice standards using the test methods and frequencies as described below.

Pollutant	Test Method	Frequency	Rule
Particulate Emission	EPA Method 5 **[NOTE (1)]**	Annual	40 CFR 60.93(b)(1) 62-210.300(3)(c)2.i., F.A.C.
Visible Emission	EPA Method 9	Annual	40 CFR 60.93(b)(2)
Sulfur Dioxide	**[NOTE (2)]**	Each shipment of fuel oil	62-4.030, F.A.C.

NOTE (1): The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).

NOTE (2): In lieu of a sulfur dioxide test, a certified ASTM fuel oil analysis shall be conducted to determine the weight percent of sulfur and the fuel oil heat content. The report shall include the certified ASTM analysis and the sulfur dioxide emission calculations (A copy of a certified ASTM fuel oil analysis of the oil delivered is acceptable). [Rule 62-210.300(3)(c)2.c., F.A.C.]

REPORTING AND RECORDKEEPING REQUIREMENTS

8. **Recordkeeping:** The owner or operator shall maintain the following records on site. These records shall be retained for at least 5 years.
   a. The monthly and the twelve-month rolling totals of tons of asphaltic concrete produced.
   b. The monthly and the twelve-month rolling totals of gallons of fuel oil consumed.
   c. The hours of operation.
   d. Fuel oil analysis certification for each batch of fuel oil (including on-spec used oil).
   e. Bio-Fuel analysis certification for each batch of bio-fuel.

[Rule 62-210.300(3)(c)2.g., F.A.C. and Rule 62-4.030, F.A.C.]

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
003	RAP Crushing Operation

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

7. **Hours of Operation**: The hours of operation **are limited** to 2000 hours per year**.**
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., Air Construction No. 7770037-008-AC].

8. **Permitted Capacity**: The maximum operating rates are listed below and shall not be exceeded without prior Department approval.

MATERIAL	RAP Crusher
Fuel	46,000 gallons/year **[NOTE (1)(2)]**
Recycled Asphalt Pavement Crusher	250 TPH / 125,000 TPY **[NOTE (1)]**

NOTE (1): Any consecutive 12-month period.
NOTE (2): The fuel oil usage for the crusher (EU003) shall be included as part of the facility wide fuel oil usage limitation of 1.2 million gallons in any consecutive 12-month period as described by specific condition No. 2 of this permit.
[Air Construction Permit No. 7770037-008-AC]

9. **Permitted Fuel:** The unit is allowed to burn No. 2 fuel oil and the sulfur content of the fuel oil shall not exceed 0.5% by weight.
[Air Construction Permit No. 7770037-008-AC].

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

10. **Emissions Limit:** The permitted maximum allowable emission rate for each emissions point is as follows:

Emissions Point	Visible Emissions Limits	Applicable Rule
EP02 &EP03	<10%	40 CFR 60.672(b)
EP01	<15%	40 CFR 60.672(b)

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

11. **Emissions Test:** The permittee shall demonstrate compliance with the emissions limiting standards and work practice standards using the test methods and frequencies as described below.

Emission Point	Pollutant	Test Method	Frequency	Rule
EP01, EP02 & EP03	Sulfur Dioxide	**NOTE (1)**	Each shipment of fuel oil	62-4.030, F.A.C.
	Visible Emission	EPA Method 9	Annual	62-297.310(7)(a)4.a., F.A.C.

NOTE (1) In lieu of a sulfur dioxide test, a certified ASTM fuel oil analysis shall be conducted to determine the weight percent of sulfur and the fuel oil heat content. The report shall include the certified ASTM analysis and the sulfur dioxide emission calculations (A copy of a certified ASTM fuel oil analysis of the oil delivered is acceptable). [Rule 62.210.300(3)(c)2.c., F.A.C.]

12. **Opacity Limit Compliance Demonstration:** The owner or operator shall use EPA Method 9 and the procedures in 40 CFR 60.11 to demonstrate compliance with the opacity limit as described in specific condition No. 11 of this permit, with the following additions:

(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

(ii) 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.

(iii) For affected emissions units using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

(iv) When determining compliance with the fugitive emissions standards, the duration of the EPA Method 9 observations must be 30 minutes (five 6-minute averages).

[40 CFR 60.675 (c)]

13. **Alternative:** The owner or operator may use the following as alternatives to the reference methods and procedures specified by specific condition No. 12 of this permit:

(a) If emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

[40 CFR 60.675 (e)]

REPORTING AND RECORDKEEPING REQUIREMENTS

15. **Recordkeeping:** The owner or operator shall maintain records to document the monthly and the twelve-month rolling totals of tons of Recycle Asphalt Pavement (RAP) produced, the gallons of fuel oil consumed, and the hours of operation. These records shall be retained for five years.

[Air Construction Permit 7770037-008-AC]

16. Equipment Replacement: The permittee shall submit the following information about an existing emissions unit being replaced and the replacement piece of equipment:

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or rail car loading station:

(i) The rated capacity in megagrams or tons per hour of the existing emissions unit being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and

(ii) The rated capacity in megagrams or tons of replacement storage bins.

[Rule 40 CFR 60.676(a)]

This section of the permit addresses facility-wide requirements.

REPORTING AND RECORDKEEPING REQUIREMENTS

17. **Annual Operating Report (AOR):** The owner or operator shall submit an Annual Operating Report for Air Pollutant Emitting Facility [DEP Form No. 62-210.900(5),] to the Department for each calendar year on or before April 1 pursuant to Rule 62-210.370(3)(c), F.A.C.
[Rule 62-210.300(3)(c)2.h., F.A.C]

18. **Notification of Intent to Relocate**: **The owner or operator of the facility must submit a Notification of Intent to Relocate Air Pollutant Emitting Facility [DEP Form No. 62-210.900(6)] to the Department's District office or the appropriate local program office at least thirty (30) days prior to the change, if the facility would be relocated to a county listed in this permit as a county in which the facility is authorized to locate. The form may not be used unless the facility is currently authorized by this permit to locate in the county to which it intends to relocate. If the facility is not currently authorized to locate in the county to which it intends to relocate, a permit application form, with appropriate fee, must be submitted to apply for authorization to locate to that county, and the appropriate Department's District office or approved local program office shall process the application as a permit modification under Rule 62-4.080, F.A.C.**

The appropriate Department's District office or approved local program office shall amend the facility air permitting record upon each change of location of the facility.

A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated; however no co-location of multiple facilities subject to Rule 62-210.300(3)(c)2.j., F.A.C., may be accomplished or permitted.

[Rule 62-210.370(4), F.A.C.]