FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT OFFICE
13051 NORTH TELECOM PARKWAY
TEMPLE TERRACE, FLORIDA 33637-0926

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SECRETARY

DRAFT PERMITS

PERMITTEE

Ajax Paving Industries of Florida, LLC
510 Gene Green Road
Nokomis, FL 34275

Authorized Representative:
Mr. Vince L. Hafeli, Vice President, Plants & Materials

Air Permit Nos. 1010027-012-AO
1010027-013-AC
Permits Expire: 03/01/2015 (AC)
xx/xx/2020 (AO)
Site Name: Odessa Facility – Plant No. 5
Minor Air Construction & Operation Permits
Project: To modify compliance testing requirements for EU 004 and increase maximum throughput for EU 009

These are the final air construction and operation permits, in one document. Operation Permit 1010027-012-AO is for the renewal of Operation Permit 1010027-011-AO and includes the modifications to the testing requirements for EU 004. Construction Permit 1010027-013-AC is for the increase in the maximum throughput for EU 009. The proposed work is being conducted at the Ajax Paving Industries of Florida, LLC (Standard Industrial Classification No. 2951). The facility is located in Pasco County at 11603 State Road 54 West in Odessa, Florida. The UTM coordinates are Zone 17, 342.24 km East, and 3119.22 km North. As noted in the Final Determination provided with these final permits, no changes or only minor changes and clarifications were made to the draft permits.

This final document is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

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

These air pollution permits are 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 these permits. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of these final permits, 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

DRAFT

Kelley M. Boatwright Permitting & Waste Cleanup Program Administrator Southwest District	Effective Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permits 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 the date indicated to the persons listed below.

Mr. Vince L. Hafeli, Ajax Paving Industries of Florida, LLC (vhafeli@ajaxpaving.com)

Mr. Lynn Robinson, P.E., Southern Environmental Sciences, Inc. (lrobinson@sesfla.com)

Mr. Max Grondahl, SWD Compliance Assurance Program (Max.Grondahl@dep.state.fl.us)

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.

DRAFT

(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. The existing facility consists of the following emissions units (EUs).

Facility ID No. 1010027

EU ID No.	Emission Unit Description
004	Drum Mix Asphalt Plant with Baghouse
009	Portable Reclaimed Asphalt Pavement (RAP) Crushing System

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

Project Description and Affected/Proposed Emission Units

This project will modify Specific Condition Nos. A.9.d. and A.9.e. for EU 004, so that compliance testing is not required when processing only virgin materials. In addition, this project will increase the maximum throughput of Reclaimed Asphalt Pavement (EU 009) from 187,500 to 250,000 tons/any consecutive 12-month period.

Exempt Emission Sources/Activities

- A Gencor Hy-Way Helical Coil Thermal Fluid Heater, Model HYFGO-200, rated at 2.0 MMBTU/hour, utilized to heat fuel oil supplied to the asphalt plant burner and to heat a 20,000 gallon vertical liquid storage tank. The heater is fired with new No. 2 fuel oil having a maximum sulfur content not to exceed 0.5%, by weight.
  (*Permitting Note* – This heater was previously permitted as Emission Unit 005.)
  [Rule 62-210.300(3)(a)34., F.A.C. / (Categorical or Conditional Exemptions)]

- A Carlin Industries, Inc., direct fired self-contained liquid asphalt heating system, Model 0800, rated at 0.8 MMBTU/hour, utilized to heat the liquid asphalt stored in a contained tank. The heating system is fired with new No. 2 fuel oil having a maximum sulfur content of 0.5%, by weight.
  (*Permitting Note* – This heater was previously permitted as Emission Unit 006.)
  [Rule 62-210.300(3)(a)34., F.A.C. / (Categorical or Conditional Exemptions)]

- A Gencor electric powered lump breaker is used to break up crushed RAP if necessary prior to the RAP entering the dryer drum.
  (*Permitting Note* – This lump breaker was previously permitted as Emission Unit 007 and was incorrectly identified as a grinder/crusher.)
  [Rule 62-210.300(3)(b)1., F.A.C. / (Generic Emissions Unit or Activity Exemption)]

- A Gencor electric powered vibratory screen is used to screen crushed RAP prior to it entering the dryer drum. Oversize material rejected from the screen travels through the lump breaker.
  (*Permitting Note* – This screen was previously permitted as Emission Unit 008.)
  [Rule 62-210.300(3)(b)1., F.A.C. / (Generic Emissions Unit or Activity Exemption)]

- A 450 HP (maximum) diesel engine and power generator associated with EU 009 – Portable RAP Crushing System, with the maximum design heat input rate of 3.2 and 0.95 MMBtu hr., respectively. They are fired with new No. 2 fuel oil with a maximum sulfur content of 0.5% by weight. The engine is subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. If any engine is also subject to 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60 (manufactured after June 12, 2006), the affected engine shall comply with all the limitations and requirements of that subpart.
  [Rule 62-210.300(3)(a)35., F.A.C. / (Categorical and Conditional Exemptions)]

- Each of the following emissions sources/activities are (exempt from air permitting under Rule 62-210.300(b)1, F.A.C/ (Generic Emissions Unit or Activity Exemptions) based on their potential particulate matter (PM/PM_{10}) emissions being less than 5.0 tons/year.

  - Lime Silo with Baghouse, Serial No. 2029 (*previously Emissions Unit No. 010*) and Portable Lime Silo with Baghouse, Serial No. 2011 (*previously Emissions Unit No. 012*). The lime silos are relocatable, portable, trailer-mounted systems, each with a self-contained weighing and flow controlled system for feeding lime, in an enclosed manner, into a hot mix asphalt process. Lime is added to create better bonding between asphalt cement and aggregate, which can increase the life of the resulting asphalt concrete. Each lime silo has an associate Belgrade Steel Tank Company silo vent filter baghouse, Model No. Belle 225, or equivalent, located atop the silo for controlling PM and visible emissions.

  - Portable Fiber Feeder System, Serial No. 8000-070 (*previously Emissions Unit No. 011*) and Portable Fiber Feeder System, Serial No. 8000-081 (*previously Emissions Unit No. 013*). These are portable, skid-mounted, gravimetric feeding systems for feeding fibers, in an enclosed manner, into an asphalt mixing drum. The fibers help reinforce the asphalt concrete. The fiber is purchased in plastic wrapped bales. Except for the bale loading step into the main feed hopper, particulate matter and visible emissions from the system are controlled by the asphalt plant's main baghouse.

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic non-Title V source for particulate matter less than 10 microns (PM10), sulfur dioxide (SO_2), carbon monoxide (CO) and hazardous air pollutants (HAPs).
- The drum mix asphalt plant is regulated under New Source Performance Standards (NSPS) – 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities and the general provisions of 40 CFR 60, Subpart A, General Standards, where applicable.
- The portable RAP crushing system is regulated under NSPS – 40 CFR, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants, and the general provisions of 40 CFR 60, Subpart A, General Standards, where applicable.

PERMIT HISTORY/AFFECTED PERMITS

This permit replaces Operation Permit No. 1010027-011-AO and modifies Construction Permit No. 1010027-007-AC that permitted the RAP crusher.

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

Florida Department of Environmental Protection
Southwest District Office
Air and Solid Waste Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700
E-mail: SWD_Air_Permitting@dep.state.fl.us

All documents related to applications for permits shall be submitted to the above e-mail address and/or address.

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

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700
E-mail: SWD_Air@dep.state.fl.us

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

3. Appendices - The following Appendices are attached as part of this permit:

a. Appendix A. Citation Formats and Glossary of Common Terms;
b. Appendix B. General Conditions;
c. Appendix C. Common Conditions;
d. Appendix D. Common Testing Requirements;
e. Appendix E. 40 CFR 60, Subpart A – General Provisions;
f. Appendix F. 40 CFR 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities;
g. Appendix G. 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants;
h. Appendix H. RAP Crushing System Flow Diagram.

4. Applicable Regulations, Forms and Application Procedures - Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit

does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions - For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080, F.A.C.]

6. Modifications - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

7. Annual Operating Report - On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority. 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 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 62-4.070(3), 62-210.300(3)(c)2. and 62-210.370(3), F.A.C.]

8. Operation Permit Renewal Application - A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:

a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;

c. copies of the most recent compliance test reports required by Specific Condition Nos. A.12. B.14. and B.15., if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition Nos. A.13., B.16, B.17., and B.18.;

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

FACILITY-WIDE SPECIFIC CONDITIONS

9. Fuel Oil Sulfur Content Limitation – The sulfur content for all fuel oils shall not exceed 0.5% by weight.
[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]

10. Fuel Sulfur Content Record – In order to document continuing compliance with the sulfur content limitation in Specific Condition No. 9., 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.
[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]

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

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

[Rule 62-4.070(3) and 62-710.210, F.A.C.; Construction Permit No. 1010027-007-AC]

12. 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 Non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

[40 CFR 61, Subpart M; Chapter 62-257, F.A.C. and Rules 62-730.300 and 62-701.520, F.A.C.]

13. 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 particulate matter build-up.

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

c. All aggregate brought into the facility arrives and is dumped in a damp manner.

d. Posting and enforcing a 5 MPH speed limit in all traffic areas.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]

14. 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. 13 may be necessary.
[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]

15. Records Retention – All records shall be recorded in a permanent form suitable for inspection by the Department upon request and shall be kept at the facility for a minimum of the most recent five (5) year period.
[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]

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

EU ID No.	Emission Unit Description
004	Drum Mix Asphalt Plant with Baghouse – This facility operates a Gencor Industries, Inc., Model 400 Ultra Drum, drum mix asphalt concrete plant having a design capacity of 250 tons/hour. The plant is permitted to process either conventional surface mix (virgin) or reclaimed asphalt pavement (RAP). The dryer can be fired with natural gas, on-specification reclaimed fuel oil, or new No. 2 fuel oil. Each fuel oil can have a maximum sulfur content not to exceed 0.5% by weight. The maximum heat input rate to the dryer is 85.0 MMBtu/hour. Emissions are controlled by a Gencor primary settling chamber followed by a Gencor Industries, Inc., Ultra-Flow Model CFS-144 baghouse control system rated at about 28,000 dscfm. A Gencor vibratory screen and lump breaker are used to provide proper size material needed for the asphalt concrete mix.

PERFORMANCE RESTRICTIONS

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

*(*Permitting Note – The applicable requirements of 40 CFR 60, Subpart I have also been included in this permit in Specific Conditions A.4., A.5., and A.10.)*

[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	Monthly Average Maximum Heat Input Rate (MMBtu/hour)	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)	Hours of Operation (hours/consecutive 12-month period)
004	Drum Mix Asphalt Plant	[1]85	250.0	1,000,000	4,000

([1] This corresponds to approximately 611.5 gallons/hour (2,446,000 gallons/year) of on-specification reclaimed fuel oil or new No. 2 fuel oil with a heat content of 139,000 BTUs/gallon.)

[Rule 62-210.200(PTE), F.A.C.; Construction Permit No. 1010027-007-AC]

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

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

[Rule 62-210.200(PTE), F.A.C.; Construction Permit No. 1010027-007-AC]

EMISSIONS STANDARDS

A.4. Visible Emission (VE) Limit – Visible emissions associated with the asphalt concrete plant shall not be equal to or greater than 20% opacity.
[Rules 62-204.800(8)(b), F.A.C.; 40 CFR 60 Subpart I, 60.92(a)(2)]

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 28,000 dscfm and 4,000 hours/year of operation, the equivalent PM emissions are 9.6 lbs./hour and 19.2 tons/year.)

[Rules 62-204.800(8)(b), F.A.C.; 40 CFR 60 Subpart I, 60.92(a)(1)]

TESTING REQUIREMENTS

A.6. Visible Emission (VE) Testing – In order to document compliance with Specific Condition No. A.4., the permittee shall test the visible emissions from the asphalt concrete plant's baghouse annually during each federal fiscal year (October 1-September 30).
[Rule 62-297.310(7)(a), F.A.C.;]

A.7. Particulate Matter (PM) Testing – In order to document compliance with Specific Condition No. A.5., the permittee shall test the PM emissions from the baghouse of the asphalt concrete plant annually during each federal fiscal year (October 1 – September 30).
[Rule 62-297.310(7)(a), F.A.C.;]

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. Additional Emissions Testing Requirements – Testing requirements for the asphalt concrete plant include the following:

a. A compliance test submitted when the dryer is fired with on-specification reclaimed fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with on-specification reclaimed fuel oil, new No. 2 fuel oil, or natural gas.

b. A compliance test submitted when the dryer is fired with new No. 2 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with new No. 2 fuel oil or natural gas and up to 400 hours of firing on-specification reclaimed fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with on-specification reclaimed fuel oil, new compliance tests shall be conducted with the dryer being fired with on-specification reclaimed fuel oil.

c. A compliance test submitted when the dryer is fired with natural gas will automatically constitute an amended permit to allow the dryer to be only fired with natural gas without restriction and up to 400 hours of firing fuel oil. Within 30 days of exceeding the 400th hour of firing the dryer with fuel oil, new compliance tests shall be conducted with the dryer being fired fuel oil.

[Rule 62-4.070(3) and 62-297.310(2) F.A.C.; As requested in permit application dated December 19, 2014]

A.10. Test Methods – Required tests shall be performed in accordance with the following reference methods.

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 method(s) may be used unless prior written approval is received from the Department.
[Rule 62-204.800(8) and 62-297.401, F.A.C.; 40 CFR Subpart I, 60.93(b); and Appendix A of 40 CFR 60]

NOTIFICATION REQUIREMENTS

A.11. 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.]

RECORDKEEPING AND REPORTING REQUIREMENTS

A.12. Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. 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 amount (cubic feet, gallons) of fuel burned;

e. fuel oil analysis of the sulfur content of the fuel oil used (if applicable);

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 daily records for the day the test was conducted and the monthly records for the month the test was conducted as required by Specific Condition No. A.13.; and

h. a visible emission test report for each RAP crushing system that used an off-site VE test to comply with Specific Condition No. B.7., since the previous asphalt plant emissions test (see Specific Condition No. B.15.).

Failure to submit the above information may invalidate the test.
[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

A.13. Operation Records – In order to document continuing compliance with Specific Condition No. A.2., the following records shall be kept:

Daily:

a. facility name, facility ID No., and emission unit ID No., and description (i.e., Ajax Paving Industries of Florida, LLC, 1010027, EU 004, drum mix asphalt plant);

b. date;

c. total virgin asphalt concrete production (tons);

d. total asphalt concrete containing RAP production (tons);

e. total of both types (c. and d. above) of asphalt concrete production combined (tons);

f. total hours of operation while producing asphalt concrete (including RAP);

g. calculation of the daily average (tons/hour) production rate of asphalt concrete based on e. and f. above;

Monthly:

h. facility name, facility ID No., and emission unit ID No., and description (i.e., Ajax Paving Industries of Florida, LLC, 1010027, EU 004, drum mix asphalt plant);

i. total tons of both types of asphalt concrete produced for the month (tons);

j. most recent consecutive 12-month rolling total of asphalt concrete production based on i. above (tons/consecutive 12-month period);

k. total hours of operation for the month (hours/month);

l. most recent consecutive 12-month rolling total of hours of operation (hours/consecutive 12-month period);

m. type and quantity (gallons) of fuel oil burned in the dryer including the overall monthly average MMBtu/hour heat input rate;

n. most recent consecutive 12-month rolling total of fuel oil consumed; 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), F.A.C.; Construction Permit No. 1010027-007-AC]

A.14. Additional Fuel Oil Usage Recordkeeping – In order to determine compliance with Specific Condition No. A.9., the following records shall be kept:

a. If the last compliance test was conducted while the dryer was fired with new No. 2 fuel oil, the permittee shall keep a daily record of dryer operating hours while firing on-specification reclaimed fuel oil, along with a cumulative total of on-specification reclaimed fuel oil operating hours since the last dryer compliance test*.

(**Permitting Note*: *When on-specification reclaimed fuel oil dryer operating hours since the last compliance test exceed 400 hours, then additional compliance testing is required. (see Specific Condition No. A.9.))*

b. If the last compliance test was conducted while the dryer was fired with natural gas, the permittee shall keep a daily record of dryer operating hours while firing new No. 2 fuel oil or on-specification reclaimed fuel oil, along with a cumulative total of on-specification reclaimed fuel oil and new No. 2 fuel oil operating hours since the last dryer compliance test*.

(**Permitting Note*: *When new No. 2 fuel oil, on-specification reclaimed fuel oil dryer operating hours since the last compliance test exceed 400 hours, then additional compliance testing is required. (see Specific Condition No. A.9.))*

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]

B. EU No 009 – Portable Reclaimed Asphalt Pavement (RAP) Crushing System

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

EU ID No.	Emission Unit Description
009	Portable Reclaimed Asphalt Pavement (RAP) Crushing System – 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 new hot mix asphalt concrete. The RAP crushing system will have a maximum throughput limit of 250,000 tons per any consecutive 12-month period. The crusher and associated equipment are powered by an exempt 450 HP (maximum) diesel engine and power generator fired with new No. 2 fuel oil with a maximum sulfur content of 0.5% by weight.

PERFORMANCE RESTRICTIONS

B.1. Federal Regulatory Requirements –

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

b. If a portable RAP crushing system used at this asphalt plant is subject to the attached Title 40, Code of Federal Regulations (CFR), Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (see Appendix G.) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix E.), where applicable, then all of the following specific conditions apply.

[Rule 62-204.800(8), F.A.C.; 40 CFR 60, Subparts A & OOO; Construction Permit No. 1010027-007-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 subject to all the terms and conditions contained in this Air Permit.
[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]

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

EU ID No.	Brief Description	Maximum Throughput of Portable Reclaimed Asphalt Pavement at this Facility (tons/any consecutive 12-month period)
009	RAP Crushing System*	250,000

*Only one RAP Crushing System can be operated at this site at any one time.

[Rules 62-210.200 (PTE) and 62-297.310(2), F.A.C.; As Requested in permit application dated December 19, 2014]

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 show in the Table below. (See Appendix G. for a flow diagram of the RAP Crushing System.)

Emission Point No.	Brief Description
1	Loading to Feeder/Hopper
2	Transfer from Feeder/Hopper to Crusher
3	Crusher
4	Crusher to Crusher Conveyor
5	Crusher Conveyor to Screen Hopper
6	Screen Hopper to Screen Conveyor
7	Screen Conveyor to Screen
8	Screen
9	Screen to Screened Material Conveyor
10	Screened Material Conveyor to Stack Hopper
11	Stacking Conveyor to Screened Material Stockpile
12	Screen to Oversize Conveyor (assume 25%)
13	Oversize Conveyor to Stacking Conveyor (assume 25%)
14	Stacking Conveyor to Oversize Stockpile (assume 25%)
15	Screen to Reject Material Conveyor (assume 10%)
16	Reject Material Conveyor to Feeder/Hopper (assume 10%)

[Rule 62-210.200 (PTE), F.A.C.; As Requested in Permit Application dated December 19, 2014]

EMISSIONS STANDARDS

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

Emission Point No.	Brief Description	Max. VE Limit (% Opacity)[1]	Max VE Limit (% Opacity)[2]
1	Loading to Feeder/Hopper	<20*	<20*
2	Transfer from Feeder/Hopper to Crusher	15**	12*
3	Crusher	15**	12*
4	Crusher to Crusher Conveyor	15**	12*
5	Crusher Conveyor to Screen Hopper	10**	7*

6	Screen Hopper to Screen Conveyor	10**	7*
7	Screen Conveyor to Screen	10**	7*
8	Screen	10**	7*
9	Screen to Screened Material Conveyor	10**	7*
10	Screened Material Conveyor to Stack Hopper	10**	7*
11	Stacking Conveyor to Screened Material Stockpile	<20*	<20*
12	Screen to Oversize Conveyor (assume 25%)	10**	7*
13	Oversize Conveyor to Stacking Conveyor (assume 25%)	10**	7*
14	Stacking Conveyor to Oversize Stockpile (assume 25%)	<20*	<20*
15	Screen to Reject Material Conveyor (assume 10%)	10**	7*
16	Reject Material Conveyor to Feeder/Hopper (assume 10%)	10**	7*

*Rule 62-296.320(4)(b), F.A.C. (General Facility VE Standard) **Subpart OOO 40 CFR 60.672(b)

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

[2] For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction on or after 4/22/08.

(Permitting Note – Emission Point Nos. 1, 11 and 14 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 7 & 8 are at the same location and require only one VE test).

[Rules 62-204.800(8)(b), 62-210.200 (PTE) and 62-296.320(4)(b), F.A.C.; 40 CFR 60 Subpart OO, 60.672(b) and (c); As Requested in permit application dated December 19, 2014]

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.
[Rule 62-296.320(4)(c), F.A.C.; Construction Permit No. 1010027-007-AC]

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.; As Requested in permit application dated December 19, 2014]

B.8. Off-Site Test Requirements – An off-site test may be accepted by the Department provided the required documentation listed in Specific Condition No. B.14., below can be provided with the test report required in Specific Condition No. B.14., 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.; As Requested in permit application dated December 19, 2014]

B.9. On-Site Test Requirements – If adequate documentation as required by Specific Condition No. B.8. is not available, the permittee shall test all Emission Points except Nos. 1, 11 and 14 (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.4. If 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.

[Rule 62-4.070(3) and 62-297.310(7)(a), F.A.C.; As Requested in permit application dated December 19, 2014]

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.5., must be based on the average of the five 6-minute averages.

d. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(1) No more than three emission points may be read concurrently.

(2) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(3) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

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

B.11. Test Method – Required tests shall be performed in accordance with the following reference method(s).

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

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

[Rules 62-204.800 and 62-297.401, F.A.C.; 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 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.
[Rule 62-204.800(8)(b) F.A.C.; 40 CFR 60 Subpart OOO, 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.)*
[Rule 62-4.070(3) and 62-297.310(7)(a)9 F.A.C.]

RECORDS AND REPORTS

B.14. On-Site Test Report Requirements – The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirement specified in Appendix D (Common Testing Requirements) of this 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.16. for the month the test was conducted.

[Rule 62-4.070(3) and 62-297.310(8), F.A.C.; Construction Permit No. 1010027-007-AC]

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.12.)*. 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.; Construction Permit No. 1010027-007-AC]

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

Daily:

a. facility name, facility ID No., emission unit ID No., crushing system owner's name, Florida General or non-Title V Air Operation Permit No., and any other identification information so each crushing system can be clearly distinguished from another crushing system;

b. hours of operation;

c. total RAP throughout (tons);

d. daily average throughput rate based on b. and c. above (tons/hour);

Monthly:

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

f. total RAP throughput (tons);

g. most recent consecutive 12-month rolling total RAP throughput (tons/consecutive 12-month period);

h. quantity of 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.; Construction Permit No. 1010027-007-AC]

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.)*

[Rule 62-204.800(8)(b), F.A.C.; 40 CFR 60 Subpart OOO, 60.674(b)]

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

a. owner name;

b. General or non-Title V Air Operation Permit number(s) (e.g., 7771234-xxx-AX) and permit effective date(s);

c. dates on site;

d. manufacturer's maximum rated capacity for any material *(i.e., the rated TPH capacity of the material with the highest processing rate)*;

e. operating configuration while on-site to include specific pieces of equipment, emission points and/or a process flow diagram; and

f. date of most recent visible emissions test and a copy of the test report.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 1010027-007-AC]