Florida Department of Environmental Protection

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

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE

Ajax Paving Industries of Florida, LLC
One Ajax Drive
North Venice, Florida 34275

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

Air Permit Nos. 1030026-015-AC &
1030026-016-AO
Minor Air Construction and
Operation Permits

Ajax Plant No. 7 - Largo
Pinellas County Florida

PROJECT

This is the final air construction and operation permit, in one document. The construction permit: (1) increases the daily production rate limit of hot mix asphalt concrete and revises testing requirements for the Emissions Unit 001; (2) removes Emissions Unit 003 from the permit and (3) increases the maximum throughput limit for reclaimed asphalt pavement for Emissions Unit No. 004. The operation permit renews air operation Permit No. 1030026-009-AO, which is a drum mix asphalt plant (Standard Industrial Classification No. 2951). The facility is located in Pinellas County at 1550 Starkey Road in Largo, Florida. The UTM coordinates are Zone 17, 326.43 km East, and 3087.64 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements and Facility-wide Specific Conditions); Section 3 (Emissions Unit Specific Conditions); and 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.

STATEMENT OF BASIS

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. 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 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.

1030026-015-AC Effective Date: May, 2, 2016
Expiration Date: June 30, 2016

1030026-016-AO Effective Date: May 2, 2016
Renewal Application Due Date: March 3, 2021
Expiration Date: May 2, 2021

Executed in Hillsborough County, Florida

for

Pamala Vazquez
Program Administrator
Permitting & Waste Cleanup Program
Southwest District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package 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 below to the following persons.

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

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

Sherrill Culliver, Pinellas County Air Quality Division, sculliver@co.pinellas.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.

Cathy Rodriguez May 2, 2016
(Clerk) (Date)

FACILITY DESCRIPTION

This facility operates a Gencor Industries, Inc., Model 400 Ultra Drum Mix asphalt concrete plant which is permitted to produce a maximum of 300.0 tons/hour of hot mix asphalt concrete. The facility is also authorized to operate a portable RAP crushing system that may be owned by a different company and brought on-site from time to time.

Facility ID No. 1030026

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

PROPOSED PROJECT

The proposed project will result in the following changes to the permit:

- The daily average production rate limit of hot mix asphalt concrete in Emissions Unit No. 001 is increased from 250 to 300 tons per hour.
- Specific Condition A.13 in Construction Permit Nos. 1030026-009-AO and 1030026-010-AC is removed. This condition was included in Emissions Unit No. 001 and included testing requirements that were dependent upon the type of material process (i.e., RAP or virgin material) during the compliance test.
- Emissions Unit No. 003 is removed from the permit. The equipment was removed from the facility in 2012.
- The maximum throughput limit for RAP in Emissions Unit No. 004 is increased from 200,000 to 250,000 ton per any consecutive 12-month period. Also, specific conditions associated with the emissions points were generalized and no longer reflects a specific portable crushers with specific drop points.

This project will modify the following emissions units.

Facility ID No. 1030026

ID No.	Emission Unit Description
001	Drum Mix Asphalt Plant with Baghouse
003	Reclaimed Asphalt Pavement (RAP) Crushing System (Removed from Permit)
004	Portable Reclaimed Asphalt Pavement (RAP) Crushing System

APPLICABLE REGULATIONS

A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
Federal Rule Citations	
40 CFR 60, Subpart A, NSPS General Provisions	001, 004
40 CFR 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities	001
40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants	004
State Rule Citations	
Rule 62-210.300, F.A.C., Permits Required	All

EXEMPT EMISSION SOURCES/ACTIVITIES

- A Heatec oil heating system rated at 2.2 MMBtu/hour. The heater is fired with No. 2 fuel oil having a maximum sulfur content not to exceed 0.5%, by weight or with natural gas. The oil heating system is used to heat liquid asphalt and fuel oil supplied to the plant's burner system.
  [Rule 62-210.300(3)(a)34., F.A.C.]

- A Standard Havens, Inc., Model "SH 450BBL Mineral Filler -1095" lime storage silo with an Industrial Accessory Co., Model 84BVI-A2-36-605 Pulsating Jet Style, silo-top venting baghouse.
  [Rule 62-210.300(3)(b)1., F.A.C.]

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility does not operate 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 (PM_{10}), sulfur dioxide (SO_2), carbon monoxide (CO) and hazardous air pollutants (HAPs). The restrictions on the type and amount of fuel combusted, and the restrictions in the annual material throughput to the emission units at this facility will ensure that the facility's PM_{10}, SO_2, CO and HAP emissions will be below the threshold for a Title V source.

PERMIT HISTORY/AFFECTED PERMITS

This permit replaces Operation Permit No. 1030026-009-AO; Replaces Construction Permit No. 1030026-010-AC.

{Note: Modifications contained in Construction Permit No. 1030026-012-AC have been superseded by the requirements contained in this construction permit (i.e., 1030026-016-AC). Therefore a revision to incorporate Construction Permit No. 1030026-012-AC into the operation permit is not required and the conditions from Construction Permit No. 1030026-012-AC are not referenced in this permit.}

ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Southwest District of the Department of Environmental Protection (Department). 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: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Pinellas County Air Quality Division. The mailing address, phone number and e-mail address of the Local Air Program is:

   Pinellas County Air Quality Division (PCAQD)
   509 East Avenue South, Suite 138
   Clearwater, Florida 33756
   Telephone: 727-464-4422
   E-mail: Airquality@pinellascounty.org

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

   - Appendix A (Citation Formats and Glossary of Common Terms);
   - Appendix B (General Conditions);
   - Appendix C (Common Conditions);
   - Appendix D (Common Testing Requirements);
   - Appendix E (40 CFR 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities);
   - Appendix F (40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants);
   - Appendix G (40 CFR 60, Subpart A - General Provisions)
   - Appendix H (Operation and Maintenance Plan)
   - Appendix I (DARM-PER-37, Guidance on Using Ground Tire Rubber in Asphalt)

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. Renewal: Prior to 60 days before the expiration date of this permit, the permittee shall apply for a renewal of the permit. A renewal application shall be timely and sufficient. If the application is submitted prior to 60 days before expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the Department. 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.7 and B.8 if not previously submitted; *(if applicable)*
   d. copies of the most recent month of records/logs specified in Specific Condition Nos. A.13, A.14, B.15, B.16 and B.17.; and
   e. any proposed revisions to the most recently approved O & M Plan (Agency name) *(see Specific Condition No. A.16)*.

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

8. Annual Operating Report (AOR): The information required by the Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Compliance Authority (PCAQD). All synthetic non-Title V sources shall submit a completed DEP Form 62-210.900(5) unless the annual operating report is submitted using the DEP's electronic annual operating report software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C.
[Rule 62-210.370(3), F.A.C.]

   {Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

FACILITY-WIDE REQUIREMENTS

9. Facility-Wide Fuel Usage: Facility-wide fuel oil consumption, including exempt sources, shall not exceed 2.87 million gallons in any consecutive 12-month period.
[Rule 62-210.200 ("Potential to Emit"), F.A.C.]

10. Facility-Wide Fuel Usage Records: In order to demonstrate compliance with Specific Condition No. 9., the permittee shall monthly record the type of fuel oil (i.e., No. 2 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.
[Rule 62-4.070(3), F.A.C.]

11. 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.]

12. Fuel Sulfur Content Record: In order to document continuing compliance with the sulfur content limitation in Specific Condition No. 11., 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.]

13. 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 (July 1, 2004):

Constituent/Property	**Allowable Level**
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1000 ppm maximum
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.]

14. 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.]

15. General Standards - Objectionable Odor: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere, which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. If the Department and/or Pinellas County Air Quality Division (PCAQD) receives a valid odor complaint, the Department and/or PCAQD reserves the right to require that odor control measures/work practices be implemented.
[Rules 62-4.070(3), 62-210.200 ("Objectionable Odor") and 62-296.320(2), F.A.C.; Pinellas County Code, Section 58-178]

16. Unconfined Emissions of Particulate Matter: See Appendix C., Condition 9. Additional reasonable precautions include:
    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. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from building and work areas to prevent particulate from being airborne.
    d. Landscaping or planting of vegetation.
    e. All aggregate brought into the facility arrives and is dumped in a damp matter.
    f. Posting and enforcing a 5 MPH speed limit in all traffic areas.

    [Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

17. Fugitive Emissions Opacity Standard: In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate, all sources of unconfined particulate matter not subject to 40 CFR 60, Subpart OOO, (see Emission Unit No. 004 limitations), 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. 16 may be necessary.
[Rule 62-4.070(3), F.A.C.]

18. Records Retention: All daily records shall be completed within three (3) business days and all monthly records shall be completed by the end of the following month. All recordkeeping information, supporting documentation, monitoring data, and all compliance test information required by this permit shall be maintained on-site or electronically for at least three (3) years and be made available to the Department and Pinellas County Air Quality Division for inspection upon request.
[Rules 62-4.070(3), F.A.C.]

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

This section of the permit addresses the following emissions unit.

EU No.	Emission Unit Description
001	Drum Mix Asphalt Plant with Baghouse - This emissions unit is a Gencor Industries, Inc., Model 400 Ultra Drum Mix asphalt concrete plant. The plant is permitted to process either a conventional surface mix (virgin) or reclaimed asphalt pavement (RAP). The Gencor Industries, Inc. Ultra flow Model UFII-85 asphalt plant dryer burner is fired at a maximum heat input rate of 85 MMBtu/hour with on-specification reclaimed fuel oil, No. 2 fuel oil or natural gas. Each fuel oil can have a maximum sulfur content not to exceed 0.5% by weight. The maximum fuel oil consumption rate is approximately 900 gallons/hour. Particulate emissions are controlled by a Gencor Industries, Inc., primary collection system (knockout box) followed by a Caterpillar, Autopulse II, Model APL-720 baghouse control system rated at 78,680 acfm.

FEDERAL REGULATIONS

A.1. Federal Regulatory Requirements: This emission unit is subject to the requirements of 40 CFR 60, Subpart I – Standards of Performance for Hot Mix Asphalt Facilities and the attached general provisions of 40 CFR 60, Subpart A (see Appendix E.), 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]

PERFORMANCE RESTRICTIONS

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

Hours of Operation	Daily Average Maximum Production Rate of Hot Mix Asphalt Concrete (tons/hour)	Maximum Production of Hot Mix Asphalt Concrete (tons/consecutive 12-month period)
4,000	300	1,000,000

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

A.3. Authorized Fuel: The following fuels are allowed as ranked from the cleanest fuel (top) to the dirtiest fuel (bottom) for particulate matter and visible emissions testing purposes:
a. Natural gas;
b. No. 2 fuel oil; and
c. On-specification reclaimed fuel oil.
[Rule 62-210.200(PTE) and 62-4.070(3), F.A.C.]

A.4. Fuel Oil Temperature: The fuel oil temperature at the burner manifold shall be maintained between 137º F and 140º F.

{Permitting Note: This temperature was recommended by General Combustion Corporation in a letter dated 1/10/2011.}

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

A.5. Ground Tire Rubber (GTR): When processing GTR into the asphalt mix, the temperature of the mix should always be less than 375º F.
[Rule 62-4.070(3), F.A.C.; DARM-PER-37, Guidance on Using Ground Tire Rubber in Asphalt]

A.6. Burner Cleaning: In order to keep the burner operating properly, the burner head shall be cleaned weekly, if necessary when using fuel oil.

{Permitting Note: This practice was recommended by General Combustion Corporation in a letter dated 1/10/2011.}

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

EMISSIONS STANDARDS

A.7. Visible Emission (VE) Standard: Visible emissions from the asphalt concrete plant's baghouse shall not be equal to or greater than 20% opacity.
[40 CFR 60 Subpart I, 60.92(a)(2) and adopted by reference in Rule 62-204.800(8)(b), F.A.C.]

A.8. Particulate Matter (PM) Standard: Particulate emissions from the asphalt concrete plant's baghouse, shall not exceed 0.04 grains per dry standard cubic foot.

{Permitting Note: Based on a design airflow rate of 43,883 dscfm and 4,000 hours/year of operation, the equivalent PM emissions are 15.05 lbs./hour and 30.09 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.]

TESTING REQUIREMENTS

A.9. Annual Compliance Tests: During each calendar year (January 1st to December 31st), the emissions unit baghouse shall be tested to demonstrate compliance with the emissions standards for Particulate Matter and Visible Emissions.
[Rule 62-297.310(8)(a)1, F.A.C.]

A.10. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, the following requirements shall be met:

a. The raw materials processed in the drum mix asphalt plant shall be representative of normal operations. The test report shall specify the type(s) of raw material(s) used in the process while the test was being conducted.

b. A compliance test submitted when the dryer is fired with natural gas will allow the dryer to be fired with natural gas and up to 400 hours of firing No. 2 fuel oil and/or on-specification reclaimed fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with No. 2 fuel oil and/or on-specification reclaimed fuel oil, a new compliance test shall be conducted with the dryer being fired with the worst cast fuel oil that was used during the 400-hour period.

c. A compliance test submitted when the dryer is fired with No. 2 fuel oil will allow the dryer to be fired with natural gas, No. 2 fuel oil and up to 400 hours of on-specification reclaimed fuel oil. Within thirty (30) days of exceeding the 400th hour of firing the dryer with on-specification reclaimed fuel oil, a new compliance test shall be conducted with the dryer being fired with on-specification reclaimed fuel oil.

d. A compliance test submitted when the dryer is fired with of on-specification reclaimed fuel oil will allow the dryer to be fired with natural gas, No. 2 fuel oil, on-specification reclaimed fuel oil.

[Rules 62-4.070(3) and 62-297.310(9), F.A.C.]

A.11. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content

Method	Description of Method and Comments
5 or 5A	Method for Determining Particulate Matter Emissions
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, F.A.C.; and Appendix A of 40 CFR 60]

RECORDS AND REPORTS

A.12. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. For each test run, the report shall also include the following:

a. facility name, facility ID, and Emission Unit number;
b. date;
c. production rate of hot mix asphalt concrete in tons/hour;
d. type and usage (gallons or cubic feet) of fuel burned;
e. fuel oil analysis of the sulfur content of the fuel oil used;
f. on-specification reclaimed fuel oil analysis to document compliance with the on-specification reclaimed fuel oil limits (if applicable);
g. a copy of the log for the day the test was conducted (as required by Specific Condition A.13.); and
h. a visible emission test report for each portable RAP crushing system (EU 004) that used an off-site VE test to comply with Specific Condition B.6., since the previous asphalt plant emissions test *(see Specific Condition No. B.14.)*.

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

[Rule 62-297.310(10), 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., emission unit ID No., and description (i.e., R.E. Purcell Construction Co., Inc., Inc., 1030026, EU 001, 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 (virgin asphalt and asphalt containing 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., emission unit ID No., and description (i.e., R.E. Purcell Construction Co., Inc., 1030026, EU 001, drum mix asphalt plant);
i. total tons of both types of asphalt concrete produced for the month (tons/month);
j. most recent consecutive 12-month rolling total of asphalt concrete production based on i. above (tons/consecutive 12-month period);
k. most recent consecutive 12-month rolling total of hours of operation (hours/consecutive 12-month period);
l. type and quantity (gallons/month) of fuel oil burned in the dryer; and
m. most recent consecutive 12-month rolling total of all fuel oil consumed (gallons/consecutive 12-month period).

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

A.14. Burner Operation Records: In order to determine compliance with Specific Condition Nos. A.4., A.5. and A.6., the following records shall be kept:

Continuously

a. Continuous temperature chart of the asphalt mixture temperature in the dryer;

Once each day the plant is operating**:**

b. Temperature of the fuel at the burner manifold and date/time of record; and

Weekly**:**

c. date of the burner head cleaning. If it was determined that no cleaning was required, log the date the burner head was inspected.

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

A.15. Additional Fuel Oil Usage Recordkeeping: In order to determine compliance with fuel testing requirements of Specific Condition No. A.10. the following records shall be kept:

a. 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 No. 2 fuel oil and/or on-specification reclaimed fuel oil, along with a cumulative total of No. 2 fuel oil and/or on-specification reclaimed fuel oil dryer operating hours since the last dryer compliance test*.

   *{*Permitting Note: When No. 2 fuel oil and/or on-specification reclaimed fuel oil dryer operating hours since the last compliance test exceed 400 hours, then additional compliance testing is required.}*

b. If the last compliance test was conducted while the dryer was fired with 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 dryer operating hours since the last dryer compliance test*.

*{*Permitting Note: When on-specification reclaimed fuel oil dryer operating hours since the last compliance test exceeds 400 hours, then additional compliance testing is required.}*

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

A.16. Baghouse Operation and Maintenance (O & M) Plan: The Caterpillar, Autopulse II, Model APL-720 baghouse system shall be operated and maintained in accordance with the Operation & Maintenance (O&M) Plan that was submitted as part of the permit renewal application received on 2/26/2016 (with revisions submitted as part of an email correspondence received on 3/31/2016), or as revised plan

approved by the Pinellas County Air Quality Division. The O&M documentation logs shall be maintained for a minimum of the most recent two years and be made available for inspection upon request. The Operation & Maintenance Plan shall include, but not be limited to the following:

a. Operating parameters of the pollution control device;

b. Time table for the routine maintenance of the pollution control device as specified by the manufacturer;

c. Time table for routine periodic observations of the pollution control device sufficient to ensure proper operation;

d. A list of the type and quantity of the required spare parts for the pollution control device which are stored on the premises of the permit applicant;

e. A record log which will indicate, at a minimum:

   1. when maintenance and observations were performed;
   2. what maintenance and observations were performed;
   3. who performed said maintenance and observations; and
   4. acceptable parameter ranges for each operational check.

[Pinellas County Code, Section 58-128]

B. EU No. 004 Portable Reclaimed Asphalt Pavement (RAP) Crushing System

This section of the permit addresses the following emissions unit.

EU No.	Emission Unit Description
004	Portable Reclaimed Asphalt Pavement (RAP) Crushing System - This emissions unit consists of any one portable RAP crushing system that is brought on-site from time to time. The portable RAP crushing system is authorized to operate at a maximum throughput rate of 250,000 tons per year. *{Exemption Note: Based on the information contained in the permit application dated 2/26/2016, the diesel engines used to power the portable RAP crusher will satisfy the "Categorical and Conditional Exemption" requirements for "Stationary reciprocating Internal Combustion Engines" specified in 62.210.300(3)(a)35, F.A.C.}* *{Federal Regulation Applicability Note: As long as the diesel engines associated with the portable RAP crusher are not used as "stationary internal combustion engines" (i.e. they are used in a manner that satisfies the definition of portable non-road engines as defined by 40 CFR 1068.30) they are not subject to 40 CFR 60, Subpart IIII or 40 CFR 63, Subpart ZZZZ}*

FEDERAL REGULATIONS

B.1. Federal Regulatory Requirements:

a. If any affected piece(s) of equipment of 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 Specific Conditions B.4., B.6. - B.14., B.16. and B.17.f. do not apply.

b. If any affected piece(s) of equipment of 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.

c. If an engine brought on site with the Portable RAP Crushing System (EU 004) remains on site for more than 12 consecutive months and was manufactured after April 1, 2006 or modified or reconstructed after July 11, 2005, it will be subject to the requirements of Title 40, Code of Federal Regulations (CFR), Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. As long as the permittee operates and maintains the engine according to the manufacturer's instructions or procedures over the entire life of the engine and the manufacturer keeps its certification, the engine is not required by the federal rule to demonstrate compliance with emission limits.

d. If an engine brought on site with the Portable RAP Crushing System (EU 004) remains on site for more than 12 consecutive months, it is subject to Title 40, Code of Federal Regulations, Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. An engine is considered existing if construction or reconstruction of the engine commenced before June 12, 2006. An engine is considered new if it was constructed or reconstructed on or after June 12, 2006. A new engine must comply with 40 CFR 60, Subpart IIII (see previous bullet).

[Rules 62-4.070(3), 62-204.800(8) and 62-204.800(11), F.A.C.; 40 CFR 60, Subparts A, OOO and IIII; 40 CFR 63, Subparts A and ZZZZ]

B. EU No. 004 Portable Reclaimed Asphalt Pavement (RAP) Crushing System

PERFORMANCE RESTRICTIONS

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 document.

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

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

Hours of Operation (hours/year)	Maximum Throughput of Reclaimed Asphalt Pavement (tons/any consecutive 12-month period)
Unlimited (8,760)	250,000

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

[Rules 62-210.200 ("Potential to Emit") and 62-297.310(3), F.A.C.]

EMISSIONS STANDARDS

B.4. Visible Emissions Standards: Fugitive emission sources described in the table below and associated with this emission unit shall comply with the following maximum visible emission limitations:

Brief Description of Fugitive Emissions Sources	**Max.VE Limit (% Opacity)[1]**	**Max.VE Limit (% Opacity)[2]**
Crushers at which a capture system is not used	15	12
• grinding mills • screening operations, • bucket elevators, • transfer points on belt conveyors, • bagging operations, • storage bins, • enclosed truck or railcar loading stations or from any other affected facility	10	7

[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.

[40 CFR 60.672 & Table 3]

B.5. 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 screen, and the conveyor drop points.
[Rule 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

B.6. Visible Emissions Test Requirements: In order to determine compliance with the visible emission limitations of Specific Condition No. B.4. 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 B.8.) or shall test on-site according to Specific Conditions B.8. - B.10., below.

*{*Permitting Note: The most recent test shall not be older than the previous federal fiscal year.}*

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

B.7. Off-Site Test Requirements: An off-site test may be accepted by the Department provided the required documentation listed in Specific Condition B.14., below can be provided to the Compliance Authority. 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.

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

B.8. On-Site Test Requirements: If adequate documentation as required by Specific Condition No. B.6. is not available, the permittee shall test each fugitive emission source (i.e., emissions sources described in Specific Condition No. B.4.) 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 addition, the daily average crushing rate is limited to 110% of the rate at which the most recent compliance test was conducted until a new test is conducted as required by Section 4., Appendix D, No. 1. If the crusher remains on-site, the crushing system shall be tested for visible emissions annually during each calendar year (January 1st to December 31st) the crushing system is on-site.

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

B.9. 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 additionally the following requirements:

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 B.4., 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(9), F.A.C.; 40 CFR 60.675 (c) and (e)(2)]

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

Method	Description of Method and Comments
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, F.A.C.; and Appendix A of 40 CFR 60]

MONITORING REQUIREMENTS

B.11. 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.12. 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(9), F.A.C.]

RECORDS AND REPORTS

B.13. On-Site Test Report Requirements: The permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirement specified in Appendix D (Common Testing Requirements) of this permit. The test report must include the following:

a. owner name;
b. General or non-Title V Air Operation Permit number (e.g., 7771234-XXX-AX);
c. manufacturer's maximum rated capacity for any material *(i.e. the rated TPH capacity of the material with the highest processing rate)*;
d. date each affected piece of equipment of the crushing system commenced construction, modification or reconstruction;
e. type of material processed;
f. actual material handling rate during the test period (tons/hour);
g. configuration of the crushing system during the test to include specific pieces of equipment, emission points and/or a process flow diagram; and
h. a copy of the logs as required by Specific Condition No. B.15. for the day and month the test was conducted.

[Rules 62-4.070(3) and 62-297.310(10), F.A.C.]

B.14. Off-Site RAP Crushing System Test Reports: When demonstrating compliance with Specific Condition B.4. 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. The test reports must include the information specified in B.13. a.-g. above. [Rule 62-4.070(3) F.A.C.]

B.15. Operation Records: The permittee shall record the following while the portable 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 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 throughput (tons);
g. most recent consecutive 12-month rolling total RAP throughput (tons/consecutive 12-month period);
h. hours of operation for the month;
i. most recent consecutive 12-month rolling total hours of operation (hours/consecutive 12-month period);

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

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

B.16. 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 B.11.)*
[40 CFR 60, 60.674(b)]

B.17. 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.

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