FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

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GOVERNOR

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LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE:

Anderson Columbia Company, Inc.
Post Office Box 1829
Lake City, Florida 32056

Authorized Representative:

Mr. Brian P. Schreiber, Secretary

Air Permit No.: 7770017-018-AF
Issuance Date: DRAFT
Expiration Date: February 25, 2016

Asphalt Plant No. 10

Federally Enforceable State Operation Permit Modification

This is the final Federally Enforceable State Operation Permit (FESOP) for the Anderson Columbia Company, Inc., Asphalt Plant No. 10. The existing relocatable Hot Mix Asphalt Plant is classified in the Asphalt Paving and Roofing category (Standard Industrial Classification code 2951).

This permitting action permits the relocation of the facility to Dixie County at 146 Southeast 117th Avenue, Old Town, Dixie County; UTM Coordinates: Zone 17, 300.67 km East and 3276.18 km North; and, Latitude: 29°35'58" North and Longitude: 83°03'30" West.

This final permit is organized by the following sections.

Section 1. General Information
Section 2. Administrative Requirements
Section 3. Emissions Unit Specific Conditions
Section 4. Appendices

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

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.

DRAFT

Executed in Jacksonville, Florida

Draft

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Richard S. Rachal III, P.G. Date XX, 2014
Program Administrator
Waste and Air Resource Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on **Date XX, 2014**, to the persons listed below.

Mr. Brian P. Schreiber, Applicant, Anderson Columbia Co., Inc. (brians@andersoncolumbia.com)
E. Tony Williams, P.E., Anderson Columbia Co., Inc. (tonyw@andersoncolumbia.com)
Mr. Scott R. Cleveland, P.G., Environmental Manager, Anderson Columbia Co., Inc. (scottc@andersoncolumbia.com)

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

_____ _____

(Clerk) Date XX, 2014

FACILITY DESCRIPTION

Existing Facility

The asphalt concrete plant, subject to 40 CFR 60, Subpart I, is allowed to process virgin aggregate, and/or recycled asphalt pavement (RAP)[1] and liquid asphalt and is designated as Emission Unit No. 001. No. 2 fuel oil and on-specification used oil (No. 5 grade fuel oil) may be used to fire the asphalt concrete plant's dryer. The No. 2 and No. 5 fuel oil's maximum sulfur content by weight are not to exceed 0.5%. The asphalt concrete plant dryer's particulate emissions are controlled by a baghouse with a cyclonic inlet section, having a total number of 1088 bags with filtration area of 10,370 square feet. The filter bags are cleaned in sequence by an air pulsejet cleaning system. Associated with the asphalt concrete plant is a liquid asphalt heater fired with new No. 2 fuel oil or on-specification used oil (No. 5 grade fuel oil). The fuel oil used for the heater has a maximum sulfur content of 0.5% by weight. Although the heater is deemed an insignificant source pursuant to Rule 62-4.040, F.A.C., fuel oil usage and fuel oil sulfur content are tracked as part of the facility in order to demonstrate compliance with Rules 62-210.300(3)(c)1.b. and 62-210.300(3)(c)1.c., F.A.C. The No. 2 fuel oil and on-specification used No. 5 fuel oil are stored in separate tanks.

The permittee has requested the asphalt concrete plant and associated liquid asphalt heater be subject to the provisions of Rule 62-210.300(3)(c)1., F.A.C. (Conditional Exemptions From Title V Air Permitting). The conditions of this permit which were in previous operation permit No. 7770017-002-AO designate this facility as a synthetic non-Title V source, since the total emissions from this facility are less than the Title V permitting thresholds.

The existing facility consists of the following emission units.

Facility ID No. 7770017	
ID No.	**Emission Unit Description**
001	Hot Mix Asphalt Concrete Plant

Proposed Project

This project authorizes the use of a portable Recycled Asphalt Pavement (RAP) crusher. Any crusher used at the site must already have a valid Air General Permit. Emissions would be controlled by water misting using a spraybar.

This permit also authorizes operation of the relocatable Hot Mix Asphalt Concrete Plant in the counties listed in Appendix PC. This permitting action will add Dixie County to Appendix PC.

The proposed project will add the following emissions unit.

Facility ID No. 7770017	
ID No.	**Emission Unit Description**
002	Portable Recycled Asphalt Pavement (RAP) Crusher

FACILITY REGULATORY CATEGORIES

- The facility is a not major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act.
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a synthetic Non-Title V source.
- The facility is not a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

The Hot Mix Asphalt Concrete Plant is subject to the requirements of 40 CFR Part 60, Subpart I - Standards of Performance for Hot Mix Asphalt Facilities. The owner or operator is subject to the applicable requirements of 40 CFR 60, Subpart A- General Provisions (see Appendix E of this permit). [40 CFR 60.1(a)]

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

Application for Air Permit-Long Form received May 28, 2014

SECTION 2. ADMINSITRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northeast District Air Program, Florida Department of Environmental Protection (Department). The Northeast District's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the North East District Office. The mailing address and phone number of the District Office is: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. The Permitting Authority's telephone number is 904/256-1700.

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

   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions; and
   d. Appendix D. Common Testing Requirements.
   e. Appendix E. 40 CFR 60 Subpart A – General Provision.
   f. Appendix F. 40 CFR 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities
   g. Appendix PC. Permitted Counties

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 owner or operator from compliance with any applicable federal, state, or local permitting or regulations.

   [Rule 62-210.300, F.A.C.]

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 owner or operator 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. Source Obligation:

   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4)

through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

(b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

8. Notification of Intent to Relocate- Asphalt Plant: The owner or operator of the facility must submit a Notification of Intent to Relocate Air Pollutant Emitting Facility [DEP Form No. 62-210.900(6)] to the Department's District office or the appropriate local program office at least thirty (30) days prior to the change, if the facility would be relocated to a county listed in this permit as a county in which the facility is authorized to locate. The form may not be used unless the facility is currently authorized by this permit to locate in the county to which it intends to relocate. The permittee may not use DEP Form No. 62-210.900(6) to request any change to any permit term.

   If the facility is not currently authorized to locate in the county to which it intends to relocate, a permit application form, with appropriate fee, must be submitted to apply for authorization to locate to that county, and the appropriate Department's District office or approved local program office shall process the application as a permit modification under Rule 62-4.080, F.A.C.

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

   An asphalt plant claiming this exemption from Title V air permitting shall not collocate with, or relocate to, any Title V source; nor shall it create a Title V source in combination with any other collocated facilities, emissions units, or pollutant-emitting activities, including any such facility, emissions unit, or activity that is otherwise exempt from permitting.

   [Rule 62-210.370(1), F.A.C.; Rule 62-210.300(3)(c)1.j.,F.A.C]

9. Annual Operating Report: The owner or operator shall submit an Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) to the Department by April 1st, on an annual basis pursuant to Rule 62-210.370(3), F.A.C.

   [Rule 62-210.370(3), F.A.C.; Rule 62-210.300(3)(c)1.h.,F.A.C.]

10. A completed Application for Non Title V Air Permit Renewal [DEP Form No. 62-210.900(4)] shall be submitted to the Department at least 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the owner or operator shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.

    [Rules 62-4.050, 62-4.090, F.A.C.]

This section of the permit addresses the following emissions unit.

Emissions Unit	Brief Description
001	350 Tons per hour Hot Mix Asphalt Concrete Plant fired by No. 2 fuel oil or used/ used on-specification No. 5 fuel oil. The sulfur content of the fuel oil shall be limited to a maximum of 0.5 % by weight. The asphalt concrete plant dryer's particulate matter emissions are controlled by a baghouse with a cyclonic inlet section, having a total number of 1088 bags with filtration area of 10,370 square feet. The filter bags are cleaned in sequence by an air pulsejet cleaning system. Pollutants are discharged through a stack with the following parameters and operating conditions: 23 feet high, 3.80 foot diameter, 275 degree Fahrenheit discharge gas temperature and a nominal air flow rate of 33,480 dscfm.

PERFORMANCE RESTRICTIONS

A.1. The asphalt concrete plant (excluding the liquid asphalt heater is allowed to operate no more than 2,000 hours per any consecutive 12- month period.

[Air Construction Permit No. AC40-267665]

A.2. The liquid asphalt heater, deemed an insignificant, source, is allowed to operate continuously, 8,760 hours per any consecutive 12-month period.

[Rule 62-4.040, F.A.C.]

A.3. The maximum permitted capacities of the asphalt concrete plant are as follows:

(i) 350 tons per hour of virgin/conventional asphalt concrete production, on a daily average basis.

(ii) 500,000 tons of asphalt concrete production in any consecutive 12-month period.

[Rule 62-210.300(3)(c)2.a., F.A.C. and Construction Permit No. AC40-267665]

A.4. The asphalt concrete plant's dryer and liquid asphalt heater shall comply with the following:

(i) Dryer

a. The peak fuel usage rate is 260* gallons per hour. {*Permitting Note: The corresponding maximum heat input rate is 36.4 MMBtu/hour}*

b. Shall only be fired with No. 2 fuel oil or on-specification No. 5 used oil.

(ii) Liquid Asphalt Heater

Shall only be fired with No. 2 fuel oil.

Specific Condition A.4. Continued:

(iii) Dryer and Liquid Asphalt Heater combined

The total fuel oil usage shall not exceed 0.52* million gallons per any consecutive 12-month period.

*{*Permitting Note: These values are stricter than the limitation in Rule 62-210.300(3)(c)1.c., F.A.C.}*

[Rule 62-210.300(3)(c)2.b., F.A.C. and Air Construction Permit No. AC40-267665]

EMISSIONS STANDARDS

{Permitting Note: Unless otherwise specified, the averaging times for these conditions are based on the specified averaging time of the applicable test method.}

A.5. Emissions from the asphalt concrete plant's baghouse shall comply with the following:

(i) Particulate matter emissions (PM) shall not exceed 0.04 grains/dscf averaged over a 3-hour period (based on a design exhaust airflow of 33,480 dscfm the expected equivalent PM emissions are 11.5 lbs./hr and 11.5 tons/yr.).

(ii) Visible emissions (VE) shall not be equal to or greater than 20% opacity.

[40 CFR 60 – Subpart I, Rule 62-204.800(7), F.A.C., Rule 62-210.300(3)(c)2.d., F.A.C., Rule 62-210.300(3)(c)2.f., F.A.C., and Air Construction Permit No. AC40-267665]

A.6. Visible emissions from the liquid asphalt heater shall not be equal to or greater than 20% opacity. Since the heater is deemed an insignificant source, an annual visible emissions compliance test is not required.

[Rules 62-296.320(4)(b) and 62-297.310(7)(b), F.A.C.]

A.7. **No. 2 Fuel Oil:** No. 2 fuel oil burned in the asphalt concrete dryer and /or in the asphalt preheater shall be limited to 0.5% sulfur content by weight.

[Rule 62-210.300(3)(c)2.c., F.A.C. and Air Construction Permit No. AC40-267665]

A.8. **On-specification Fuel Oil:** The burning of off-specification used oil is prohibited. For each shipment of on-specification used oil and prior to blending with any fuel oil authorized for this emissions unit, the on-specification used oil shall be in compliance with the following specifications of 40 CFR 761.20(e)(2) and (3), 40 CFR 279.11, and Air Construction Permit No. AC40-267665:

On-Spec Used Oil Specifications	
Constituent/Property	**Allowable Level**
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Total Halogens	1,000 ppm maximum
Flash Point	100°F minimum
PCBs	<2 ppm maximum
Sulfur content	≤ 0.5% by weight

If the on-specification used oil is generated at the facility, compliance shall be demonstrated by conducting analysis of the on-specification used oil using either approved EPA, DEP, or ASTM test methods and maintaining the records of 40 CFR 279.72. If the on-specification oil is generated elsewhere, the owner or operator shall obtain from the vendor, for each load of used oil received and prior to any blending, a certification that the used oil meets the specifications for on-specification used oil as stated in this condition. This certification shall also describe the basis for the certification, such as analytical results.

[40 CFR 279.11; 40 CFR 761; Rule 62-4.070, F.A.C., and Air Construction Permit No. AC40-267665]

Testing Requirements

A.9. Test Methods (Baghouse): Required tests shall be performed in accordance with the following EPA Reference Methods:

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources

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

[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

A.10. Test Methods (Fuel Oil): Required tests shall be performed in accordance with the following referenced methods.

Method	Description of Method and Comments
ASTM D 4057-88	Standard Practice for Manual Sampling of Petroleum and Petroleum Products
D129-91	Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)
ASTM D2622-94	Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry
ASTM D4294-90	Standard Test Method for Sulfur in Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectroscopy
Approved EPA, DEP, or ASTM	Used oil constituents (**See Condition A.8.**)

[Rules 62-297.440(1), F.A.C., 62-210.300(3)(c)2.c. and 62-4.070(3), F.A.C.]

A.11. Test the asphalt concrete plant dryer's baghouse exhaust for particulates annually within 60 days prior to or on the date of April 23[1]. Test the asphalt concrete plant dryer's baghouse exhaust for visible emissions within 30 days after startup at a new relocation site **(see Administrative Condition No. 8.)** and on an annual basis[1] thereafter.

[1] The frequency base date has been included for planning purposes, however, pursuant to Rule 62-297.310(7)(a)4., F.A.C. a formal compliance test shall be conducted during each federal fiscal year (October 1 – September 30).

[Rules 62-297.310(7) and 62-297.310(8)(b), F.A.C.]

A.12. Compliance with the emission limitations of **Condition A.5.** shall be determined using EPA Reference Methods listed above. These test methods are contained in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-297, F.A.C. Note the following:

(i) The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A.

(ii) The visible emissions test for the asphalt concrete plant dryer's baghouse shall be at least 30 minutes in duration.

(iii) If a special visible emissions compliance test for the liquid asphalt heater is requested by the Department, the test shall be at least 30 minutes in duration.

[Rules 62-210.300(3)(c)2.i. and 62-297, F.A.C.]

A.13. **Sulfur Content of No. 2 Fuel Oil and On-specification Used Oil:** The vendor shall provide as-shipped sulfur analysis or the permittee shall have analyzed as-received samples taken at the plant. The analysis shall be conducted in accordance with ASTM methods referenced above.

[Rules 62-297.440(1), F.A.C., 62-210.300(3)(c)2.c. and 62-4.070(3), F.A.C.]

A.14. **Other constituents of On-specification Used Oil:** If the on-specification used oil is generated at the facility, compliance shall be demonstrated by conducting analysis of the on-specification used oil using either approved EPA, DEP, or ASTM test methods and maintaining the records of 40 CFR 279.72. If the on-specification used oil is generated elsewhere, the owner or operator shall obtain from the vendor, for each load of used oil received and prior to any blending, a certification that the used oil meets the specifications for on-specification used oil as stated in **Condition A.8.** This certification shall also describe the basis for the certification, such as analytical results.

[40 CFR 279.11; 40 CFR 761; Rule 62-4.070, F.A.C., and Air Construction Permit No. AC40-267665]

A.15. Pursuant to Rules 62-297.310(2) and 62-4.070(3), F.A.C., this plant shall comply with all of the following:

(i) If at any time the production rate of hot mix asphalt concrete is more than 10% above the production rate at which the most recent compliance test was conducted, then within 30 days of the date that the higher production rate was recorded, the facility shall conduct new compliance tests. The new compliance tests shall be conducted at a production rate, which is not less than the higher production rate that was recorded and no greater than 350 tons per hour.

(ii) A compliance test submitted when the dryer is fired with No. 2 fuel oil will automatically constitute an amended permit to allow the dryer to be only fired with No. 2 fuel oil and up to 400 hours of firing with No. 5 used oil. Within 30 days of exceeding the 400th hour of firing the dryer with No. 5 used oil, new compliance tests shall be conducted with the dryer being fired with No. 5 used oil.

(iii) A compliance test submitted with the dryer is fired with on-specification No. 5 used oil will automatically constitute an amended permit to allow the dryer to be only fired with on-specification No. 5 or better grade used oil or No. 2 fuel oil.

(iv) Since the Department has determined processing only virgin/conventional materials has the greatest potential to generate emissions versus RAP, a compliance test submitted when processing RAP shall limit the plant to processing only RAP. If the plant is so limited, within 30 days upon processing virgin materials (conventional hot mix asphalt), new compliance tests (particulate and visible emissions) for the dryer's baghouse shall be conducted using only virgin materials. A compliance test submitted when processing only virgin materials shall also allow the plant to process RAP.

(v) All compliance test results shall be submitted to the Air Compliance Section of the applicable DEP District office in accordance with the requirements of Section 4 of this permit.

(vi) Failure to submit the following with any compliance test report for the test period may invalidate the test(s):

a. Production rate of hot mix asphalt concrete in tons per hour. Be sure to include a statement indicating whether virgin materials of RAP was used.

Specific Condition A.15. continued:

b. Type of fuel used.

c. Fuel oil analysis of the sulfur content of the fuel oil used.

d. Used oil analysis to document compliance with the on-specification used oil limits, if on-specification No. 5 used oil was used to fire the dryer.

e. A copy of the records for the month the test was conducted as required by Section 4 of this permit.

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

Recordkeeping and Reporting Requirements

A.16. The baghouse shall be operated and maintained in accordance with the Operation and Maintenance (O & M) Plan. The O & M Plan documentation shall be retained at the facility for at least 2 years and made available to the Department upon request. At a minimum, the O & M Plan shall include:

(i) The operating parameters of the pollution control device.

(ii) Timetable for routine maintenance of the pollution control device as specified by the manufacturer.

(iii) Timetable for routine weekly, bi-weekly, or monthly observations and inspections of the pollution control device.

(iv) A list of the type and quantity of the required spare parts for the pollution control device which are stored on the premises.

(v) A maintenance log which will indicate, as a minimum:

a. What maintenance was performed.

b. When the maintenance was performed.

c. Who performed the maintenance.

[Rules 62-4.070(3)]

A.17. The following limitations apply to the asphalt concrete plant and liquid asphalt heater:

(i) Daily records of the total asphalt concrete production, in tons, for each of the following when operating:

a. Virgin/conventional asphalt concrete

b. RAP asphalt concrete

c. Both types of asphalt concrete combined

(ii) Daily records of the hours of producing each type of asphalt concrete and the total hours of producing both types of asphalt concrete when operating.

(iii) Daily records of the daily average production rate of asphalt concrete produced, in tons per hour, for each of the flowing when operating:

a. Virgin/conventional asphalt concrete

b. RAP asphalt concrete

(iv) Monthly records of the total tons of both types of asphalt concrete produced, and calculate and record the most recent combined consecutive 12-month rolling total, in tons.

(v) Monthly records of the total operating hours of the asphalt concrete plant's dryer along with a consecutive 12-month rolling total, in hours.

(vi) Monthly records of the quantity of each of the 2 types of fuel used to fire the asphalt concrete plant's dryer along with the overall monthly average fuel flow rate (gallons per hour).

If the last compliance test was conducted when the dryer was fired with new No. 2 fuel oil, then a daily cumulative total of the hours the dryer was fired with on-specification No. 5 used oil, since that last test shall also be recorded until the 400th hour is recorded **(See Condition A.15.)**

(vii) Monthly records of the quantity of each of the 2 types of fuel used to fire the liquid asphalt heater.

(viii) Monthly records of the total usage of all fuel oil combined in the asphalt plant's dryer and liquid asphalt heater.

(ix) Monthly records of the most recent consecutive 12-month rolling total usage of all fuel oil combined in the asphalt plant's dryer and liquated asphalt heater.

{*Permitting Note: Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 5 years and made available to the Department upon request.}*

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

A.18. In order to document continuing compliance with the sulfur content limitations, in % by weight, of the fuel oil used in the asphalt concrete plant's dryer and liquid asphalt heater, 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 ASTM methods described identified in testing requirements. These records shall be maintained at the facility for a minimum of 5 years and made available to the Department upon request.

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

A.19. Compliance 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.

[Rule 62-297.310(8), F.A.C.]

This section of the permit addresses the following emissions unit and Emission Points listed below:

ID No.	Emission Unit Description
002	Portable Recycled Asphalt Pavement (RAP) Crusher System
Emissions Point Description	
01	RAP Primary Crusher
02	Conveyor Transfer Points
03	RAP Screener
04	Diesel Engine

EQUIPMENT

B.1. **RAP Crushing System.** The permittee is authorized to operate one portable RAP crushing system consisting of a diesel engine, a crusher, the associated screens for sizing the RAP, and conveyor belts for transport to storage piles.

[Permit Application No. 7770017-018-AF; Rule 62-210.200(PTE)]

PERFORMANCE RESTRICTIONS

B.2. **Hours of Operation**. The hours of operation of the RAP Crushing System are not restricted: 24 hours/day; 7 days/week; 52 weeks/year (8760 hours/year).

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

B.3. **Permitted Capacity**. The annual primary crushing capacity shall not exceed 50,000 tons per year of RAP.

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.; 40 CFR 60.671; Permit Application No. 7770017-018-AF]

B.4. **Method of Operation- Fuels.** The RAP Crushing System (including the diesel engine) is subject to the following limitations:

a. New (virgin) No. 2 fuel oil is the only fuel authorized to be fired in the diesel engine.
b. The maximum sulfur content of virgin, No. 2 fuel oil shall not exceed 1.0% by weight.
c. The total fuel oil usage shall not exceed 0.52* million gallons per any consecutive 12-month period.

*{*Permitting Note: These values are stricter than the limitation in Rule 62-210.300(3)(c)1.c., F.A.C.}*

[Rule 62-4.070, F.A.C.; Rule 62-210.300(3)(c)2.b. & c., F.A.C., Air Construction Permit No. AC40-267665]

EMISSION LIMITS AND STANDARDS

{Permitting Note: Unless otherwise specified, the averaging times for these conditions are based on the specified averaging time of the applicable test method.}

B.5. **Affected Facilities of NSPS, Subpart OOO**: The affected facilities consists of: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are affected facilities.

[40 CFR 60.670(a)(1)]

B.6. **Visible Emissions.** The owner or operator shall meet the following fugitive emissions limit for each identified screening operation, crusher, transfer point on belt conveyors or from any other affected facility (as defined in §§60.670 and 60.671) in the RAP Crushing System except as provided in **Specific Condition No. B.7**:

Emission point(s)	Brief Description	Maximum Percent Opacity	
01	Portable RAP Crusher	15 (Note 1)	12 (Note 2)
02 03	All Conveyor Belt Transfer Points All RAP Screens	10 (Note 1)	07 (Note 2)
04	Diesel Engine	<20%	

(Note 1) Affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification or reconstruction after August 31, 1983 but before April 22, 2008.

(Note 2) Affected facilities (as defined in §§60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008

[40 CFR 60.672 (b), Subpart OOO Table 3 and Rule 62-296.320(4)(b), F.A.C.]

B.7. **Truck Dumping Visible Emissions:** Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the from the opacity limitation specified in **Specific Condition No. B.6**.

[40 CFR 60.672 (d), and Rule 62-204.800(8), F.A.C.]

B.8. The opacity standards stated in **Specific Condition No. B.6**. apply at all times except during periods of startup, shutdown, and malfunction of the emissions unit.

[40 CFR 60.11(c), and Rule 62-204.800(8), F.A.C., 40 CFR 60.672(b); 40 CFR 60.672(d); Rule 62-296.320(4)(b), F.A.C]

B.9. **Unconfined Particulate Matter Emissions:** Unconfined particulate matter (UPM) emissions shall be controlled by application of reasonable precautions to control such emissions per FAC Rule 62-296.320(4)(c). The following precautions shall be used, but shall not be limited to the following:

1. A water suppression system with spray bars located wherever unconfined emissions occur at the feeder, the entrance and exit of the crusher, the classifier screens, and the conveyor drop points,

2. Unconfined emissions generated by vehicular traffic or wind shall be controlled by applying water (by water trucks equipped with spray bars) or effective dust suppressant(s) on a regular basis to all stockpiles, roadways and work yards where the nonmetallic mineral processing plant (crusher) is located.

[Rule 62-296.320(4)(c)2., F.A.C.]

B.10. This emissions unit is also subject to the applicable requirements of 40 CFR 60, Subpart A (see Appendix E of this permit).

[40 CFR 60.670(f)]

B.11. This emissions unit is also subject to the applicable requirements of Subsection D of this permit.

MONITORING OPERATIONS

{Permitting Note: Applicable to affected facilities which construction, modification, or reconstruction commenced on or after April 22, 2008}

B.12. **Wet Suppression – Monthly Periodic Inspections & Corrective Actions**: The owner or operator of any affected facility that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.

The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles.

The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required in §60.676(b).

(1) If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Table 3 of 40 CFR 60 Subpart OOO provided that the affected facility meets the criteria in paragraphs (1)(i) and (1)(ii) of this Condition:

Specific Condition B.12. continued:

(i) The owner or operator of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections are conducted according to this paragraph and **Specific Condition No. B.20**. and

(ii) The owner or operator of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under 40 CFR 60.11 and Specific Condition No. B.13.

(2) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required by **Specific Condition No. B.20**. must specify the control mechanism being used instead of the water sprays.

[40 CFR 60.674(b) and Rule 62-204.800(8), F.A.C]

TEST METHODS AND PROCEDURES

B.13 <u>Visible Emissions- Each Emissions Point Nos. 01- 03</u>.

a. The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. The test shall be conducted by an observer certified in accordance with the requirements of Rule 62-297.320, F.A.C. – Standards for Persons Engaged in Visible Emissions Observations.

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

(2). 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.

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

(4). If emissions from two or more of Emission Point Nos. 01 through 03 cannot be read, either of the following procedures may be used:

a. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the emission points contributing to the emission stream.

Specifc Condition B.13. continued:

b. Separate the emissions so that the opacity of emissions from each emission point can be read.

(5). 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:

a. No more than three emission points may be read concurrently.
b. 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.
c. 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.

{Permitting Note: Applicable to affected facilities which construction, modification, or reconstruction commenced on or after April 22, 2008}

b. **Frequency of Testing**: Affected facilities that do not use water sprays to control fugitive emissions, shall conduct a repeat visible emissions test for each emission point within 5 years from the previous performance test. The procedures in Specific Condition No. B.13.a. shall be followed for these visible emissions tests.

Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in **Specific Condition Nos. B.12. and B.20**. are exempt from this 5-year repeat testing requirement.

{Permitting Note: Applicable to affected facilities which construction, modification, or reconstruction commenced after August 31, 1983 but before April 22, 2008}

c. **Frequency of Testing**: The Permittee shall test each emission point for visible emissions during each federal fiscal year (October 1-September 30). The procedures in **Specific Condition No. B.13.a**. shall be followed for these visible emissions tests.

Permitting Note: Emission Point No. 04 does not require regularly scheduled VE performance testing, since the applicable visible emission limitation is a facility-wide limitation and there is not an applicable allowable mass emission limitation. However, a visible emissions opacity test may be required at Emissions Point No. 04 upon Department request pursuant to the Special Compliance Test requirements of Rule 62-297.310(7)(b), F.A.C. (refer to Appendix D, Condition 4 of this permit).

[40 CFR 60.675(c)(1); 40 CFR 60.675(c)(1)(i)-(iii); 40 CFR 60.675(c)(1)(ii); 40 CFR 60.675(e)(1); 40 CFR 60.675(e)(2); 40 CFR 60 Subpart OOO Table 3; Rule 62-297.310(7)(a)4.a., F.A.C.]

B.14. **Visible Emissions Testing Requirements – Relocated, Portable RAP Crusher Systems**: Should the owner or operator bring on-site a different portable RAP Crusher System at any point, a demonstration of compliance must be made for each such RAP Crusher System. The owner or operator may make such demonstration by either:

A. Providing the Compliance Authority documentation of the most recent* visible emissions performance test report for those RAP Crusher Systems operating under the authority of a valid, Non-Metallic Mineral Processing Plant Air General Permit or Non-Title V Operation Permit for a Relocatable RAP Crusher System in effect prior to relocation at this site; or

B. Conduct visible emissions testing at each affected facility (Emissions Point) within the RAP Crusher System in accordance with the requirements of Specific Condition No. B.13.a. while located at this facility site. The visible emissions tests shall be conducted as soon as practical, but no later than thirty (30) days after commencing operation at this facility site.

Should the RAP Crusher System continue to remain onsite at this facility location, the RAP Crusher System shall comply with the applicable terms and conditions of this permit including the Subsequent Testing requirements of Specific Condition Nos. B.13.b. or B.13.c., as applicable.

* *Permitting Note: The most recent test pursuant to the testing frequency stated in the applicable permit or State of Florida Rule for RAP Crusher systems previously authorized under the Air General Permit.*

[Rule 62-4.070, F.A.C.]

B.15. **EPA Method 9- Required Sampling Time:** The duration of the Method 9 (40 CFR Part 60, Appendix A–4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission standards specified in **Specific Condition No. B.6**. must be based on the average of the five 6-minute averages. The observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[40 CFR 60.675(c)(3); Rule 62-297.310(4)(a)2., F.A.C.]

B.16. **Operation During Compliance Test:** Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity (as stated in **Specific Condition B.3**.). If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.

[Rule 62-297.310(2)(b), F.A.C.]

NOTIFICATION, RECORDS AND REPORTS

B.17. **Compliance Test Notification**: The owner or operator shall provide the Air Compliance Section of this Office written notification, at least 15 days prior to the date on which each formal compliance test is to begin, of 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 telephone number of the person conducting the test.

[40 CFR 60.8(d); Rule 62-297.310(7)(a)9., F.A.C.]

B.18. **Compliance Test Report Submittal:** The owner or operator shall submit the results (each 6-minute average) of the opacity test reports as electronic or paper copy on or before the applicable permit renewal application submittal date.

[40 CFR 60, Subpart OOO, Table 3 and Rule 62-297.310(8), F.A.C.]

B.19. **Record Keeping:** The permittee shall maintain records to document the monthly and the twelve-month rolling totals of the following information to demonstrate compliance with **Specific Conditions B.2. and B.3 and B.4 .** The records shall be retained for at least 3 years.

a. The total amount of RAP processed (in tons).
b. The hours of operation of processing RAP.
c. The quantity, in gallons, of No. 2 fuel oil fired in the diesel engine.

[Rule 62-4.070(3), F.A.C.; Rule 62-4.160(14)b., F.A.C.]

B.20. **Fuel Oil Sulfur Content Records:** The permittee shall maintain records on-site to demonstrate that each shipment of fuel oil meets sulfur content requirements specified in **Specific Condition No. B.4.**

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

B.21. **Record Keeping Fuel Supplier Certification Information:** The fuel supplier certification shall include the following information:

a. ASTM fuel oil analysis of the diesel fuel.
b. The gallons of fuel oil consumed, and the hours of operation.

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

B.22. **Recordkeeping – Wet Suppression System Inspections:** The owner or operator shall record each periodic inspection required by Condition B.12. including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Department upon request.

{Permitting Note: Applicable to affected facilities which construction, modification, or reconstruction commenced on or after April 22, 2008}

[40 CFR 60.676(b)(1)] [Rule 62-4.070(3), F.A.C.]

B.23. **Recordkeeping - Startup, Shutdown, Malfunction**: The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the RAP plant and any malfunction of the air pollution control equipment.

[40 CFR 60.7(b)]

B.24. **Notification – Wet Material Processing Operation Saturated/Unsaturated Process Changes:** The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change.

Saturated material means, for purposes of this subpart, mineral material with sufficient surface moisture such that particulate matter emissions are not generated from processing of the material through screening operations, bucket elevators and belt conveyors. Material that is wetted solely by wet suppression systems is not considered to be "saturated" for purposes of this definition– 40 CFR 60.671.

[40 CFR 60.676(g)]

B.25. **Additional 40 CFR 60 Subpart OOO Reporting Requirements**: The permittee shall comply with the following:

A. When an existing emissions source (one that is not subject to 40 CFR 60 Subpart OOO) is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing emission source, the emission source is exempt from the provisions of 40 CFR 60.672, Standard for Particulate Matter; 60.674, Monitoring of Operations; and 60.675, Test Methods and Procedures, but it is not exempt from any other requirements of Department rules or this permit.

If the permittee replaces all existing emission sources in a production line with new emission sources, the new emission sources become subject to and must comply with 40 CFR 60

Subpart OOO. Prior to the replacement, the permittee shall submit the information required by 40 CFR 60.676(a) to the Air Compliance Section of this Office. The requirements based on 40 CFR 60.676(a) are given below:

Specifc Condition B.25. continued:

B. The following information about the existing facility being replaced and the replacement piece of equipment shall be submitted to the Department and, if applicable, the approved Local Program which has permitting/enforcement jurisdiction.

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

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and
(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

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

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and
(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

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

[40 CFR 60.676(a)]