Florida Department of Environmental Protection

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PERMITTEE:

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

I.D. Number:	7770270
Permit/Cert Number:	7770270-009-AO
Date of Issue:	June 26, 2008
Expiration Date:	June 26, 2013
County:	Clay
Latitude/Longitude:	30º 08' 12" N; 81º 01' 21" W
UTM:	E-(17)401.5 ; N-3334.2
Project:	Non-Title V Operation Permit Renewal

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-296, 62-297 and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

PROJECT

For the operation of Hot Mix Asphalt (HMA) Plant No. 1.

FACILITY DESCRIPTION

The facility produces Hot Mix Asphalt (HMA). HMA consists of size-graded aggregate, and liquid asphalt cement, which is mixed in specified quantities and heated.

Processing begins as raw aggregate is hauled from storage piles and placed in the appropriate hoppers of the cold feed unit. The material is metered from the hoppers onto a conveyer belt and through a screening system to remove any extraneous material. After screening, the material travels up an inclined conveyor, across a weighing section, and into the feed chute of a double barrel dryer/drum mixer manufactured by Astec (Model - portable Turbo "400" Double Barrel Counterflow Drum Mix).

The double barrel dryer/drum mixer is a combination of a counterflow aggregate dryer and a drum mixer. It consists of an inner dryer drum that rotates inside a stationary shell. The virgin aggregates are dried in the inner drum. The end of the inner drum, closest to the location of the burner in the stationary shell, contains openings that allow the dried virgin aggregate to drop through the wall of the inner drum into the stationary, outer shell.

Flights and mixing devices are mounted on the exterior of the inner drum. Recycle/Reclaimed Asphalt Pavement (RAP), if needed for the particular asphalt mix, is added in the mixing chamber via a belt conveyor. RAP is loaded by front-end loader in to hoppers that feed the belt conveyor. Prior to entering the mixing chamber, the belt conveyor passes through several rollers that break up any clogs of RAP. The maximum RAP content that may be added to a mix at this facility is 40%. The use of RAP reduces the amount of virgin aggregate and asphalt cement needed to produce HMA.

Once the aggregate and RAP (if added to the mix), are at the proper temperature, a liquid, asphalt binder or cement is injected where it is continually stirred with the aggregate and RAP by mixing paddles. As the aggregate, RAP, and liquid asphalt mixture moves towards the discharge opening, any dust or fines that are returned from the baghouse are then added to the mixture along with any other additives needed for the particular asphalt mix.

Any potential vapors or odors that result from the mixing in the outer shell are drawn back through the holes into the combustion zone of the inner drum where any combustibles are burned. These are the same holes that pass the virgin aggregates into the outer shell.

The HMA mixture is discharged from the mixing chamber and is conveyed to one of two, 200 ton, HMA storage silos, where it is loaded into transport trucks. These storage silos are heated with the heat transfer oil from the asphalt cement tank heater.

The asphalt plant is powered commercially (not powered by a diesel generator).

The facility uses lime and a fiber material in some of the asphalt mixes produced.

The lime is added to the mixing chamber of the rotary dryer through an enclosed conveyor from a 20 ton stationary lime storage silo. The silo is filled pneumatically with a typical loading rate of 25 tons per hour or more.

The fiber material is purchased pre-sized in packaged bundles. The bundles are un-wrapped, when fiber is needed for a specified asphalt mix, broken apart by an auger, and then transferred via an enclosed conveyor to the mixing chamber of the rotary dryer.

CONTROL EQUIPMENT

The exhaust gases exit the upper, end of the double barrel dryer/drum mixer through an Astec Model SBH-56 Pulse Jet Baghouse for particulate matter emission control. The baghouse contains an inertial inlet section that is integral to the particulate matter control that causes the gas to reduce speed thus forcing heavier particles to drop out. The estimated control efficiency of the baghouse is 99.5%. Any collected particulate matter in the baghouse is re-introduced back into the double barrel dryer/drum mixer for incorporation in the asphalt mix being produced.

Fugitive emissions may also result from aggregate stockpiles, and vehicular traffic. The facility uses reasonable precautions, as needed to control these emissions in accordance with the requirements of Rule 62-296.320(4)(c), F.A.C.

Potential particulate matter emissions are generated during filling of the lime silo. The emissions are vented through the Astec Model SBH-56 Pulse Jet Baghouse for particulate matter emission control.

DRUM BURNER SYSTEM

The 63MMBtu/hr asphalt drum burner may be fired with either No. 2 fuel oil, No. 5 fuel oil, or On-Spec used fuel oil. The maximum sulfur content of the No. 2 fuel oil is 0.5% by weight, and 1.0% by weight for the No. 5 fuel oil and on-spec used oil.

ASPHALT CEMENT TANK HEATER

The asphalt cement is kept in a storage tank that is heated by a 1.2 MMBtu/hr, No. 2 fuel oil fired (no used oil), asphalt heater. The heat transfer oil in the heater is circulated throughout the plant heating the storage tank, the associated pipes and valves that are used to transport hot liquid asphalt cement, and the asphalt mix storage silos. The maximum sulfur content of the No. 2 fuel oil used in this heater is 0.5% by weight.

RAP AND RAP CRUSHER

The RAP used by this facility is typically milled on the job site with a milling machine to specifications that can be used in the asphalt mix without the need of further crushing at the facility. When larger RAP is encountered it is stored on-site for future processing. The facility has been issued Permit No. 7770270-006-AC, which allows for a RAP crusher system to be operated onsite. The air rules that are applicable to this system are stated within the terms and conditions of this permit.

REGULATED EMISSION UNITS:

EU No.	EP No.	Description	Control Device
001		Drum Mix Asphalt Plant	Baghouse
	01	Asphalt Cement Heater	---
002		RAP Crusher System	Water Sprays @ Crusher and Screens
	01	RAP Crushers	
	02	Conveyor Belt Transfer Points	
	03	RAP Screens	

FOR INFORMATIONAL PURPOSES, POLLUTANT ESTIMATED EMISSIONS

The following table (for informational purposes) contains estimated potential emissions either provided in previous air permit applications or in Department files, for all emission sources permitted to operate at this facility. The total combined potential emissions are below the thresholds that would require Title V permitting in accordance with Chapter 62-213, F.A.C.

	Emissions Source	Particulate (PM) (tons/year)	Sulfur Dioxide (SO_2) (tons/year	Carbon Monoxide (CO) (tons/year)	Nitrogen Oxide (NO_x) (tons/year)	Volatile Organic Compounds (VOC) (tons/year)
Asphalt Plant Emission Sources	Double barrel dryer/drum mixer	10.32	76.8[1]	32.5	13.75	8.0
	Asphalt Cement Tank Heater	0.037	2.56	0.09	0.36	---
	Truck Load-Out	0.075	---	0.125	---	0.35
	Storage Silo Filling	0.105	---	0.100	---	1.05
RAP Processing Emission Sources	RAP Crushing System	0.715	---	---	---	---
	200 Diesel Engine	2.41	2.24	7.31	33.9	2.77
	Facility-Wide Total Potential Emissions	**13.662**	**81.60**	**40.125**	**48.01**	**12.17**

[1] Potential SO_2 emissions for Double Barrel Dryer/Drum Mixer calculated stochiometrically based on 960,000 gallon per consecutive 12-month period facility fuel consumption limitation w/o accounting the reduction in SO_2 emissions due to the amount of fuel-bound sulfur expected to be retained in the product (absorbed by alkaline aggregate)

REGULATORY CLASSIFICATION

The Hot Mix Asphalt Plant is subject to the requirements of 40 CFR 60, Subpart A- General Provisions and 40 CFR 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities which is adopted by reference in Rule 62-204.800(8), F.A.C.

Fugitive emissions from aggregate stockpiles and vehicular traffic areas are controlled pursuant to the requirements of Rule 62-296.320(4)(c),F.A.C. – Unconfined Emissions of Particulate Matter.

The facility is also subject to regulation under Rule 62-210.300(3)(c)1., F.A.C. (Conditional Exemptions From Title V Air Permitting). The facility has elected to restrict the sulfur content of No. 2 fuel oil to 0.5%. The sulfur content of virgin, No. 5 fuel oil and used oil is limited to 1.0% by weight as allowed under this rule.

PERMITTED COUNTIES

Please see Appendix PC – Permitted Counties for a list of counties in which the facility is currently permitted to operate.

OPERATING LOCATION

Currently, the facility will operate at south of S.R. 218, east of U.S. 301, south of Maxville, Clay County, Florida. The facility is authorized to locate in the counties listed in this permit, provided the preconditions for relocation, as provided by this permit, are met. The facility is not authorized to locate in any county not listed in this permit. The facility is **not** authorized to relocate to any other location in any county listed without having first fully complied with all requirements of this permit, for relocation.

APPENDICES

The attached appendices are a part of this permit:

Appendix PC – Permitted Counties

Appendix A 40 CFR 60, Subpart A – General Provisions

PERMIT SUMMARY INFORMATION/TABLE OF CONTENTS

Subsection A- Facility-Wide General Conditions……. Page 7 – 9
Subsection B – Double Barrel Drum Mix Asphalt Plant Specific Conditions…… Page 10-22

FLOW DIAGRAMS

The attached flow diagrams are for informational purposes only:

Block Flow Diagram of Counter-Flow Double-Barrel Dryer/Drum Hot Mix Asphalt Plant Facility

PERMIT HISTORY

Air Construction Permit No. AC16-135386	issued September 4, 1987
Air Operation Permit No. AO16-152788	issued November 22, 1988
Air Operation Permit No. AO16-239320	issued December 14, 1993
Air Operation Permit No. 7770270-001-AO	issued March 28, 1996
Air Operation Permit No. 7770270-002-AO	issued September 28, 1998
Air Operation Permit Modification No. 7770270-003-AO	issued January 12, 1999
Air Construction Permit No. 7770270-004-AC	issued March 10, 2000
Air Operation Permit No. 7770270-006-AO	issued September 5, 2003
Air Operation Permit Revision No. 7770270-007-AC	issued January 9, 2006

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 Non-Title V Air Permit Renewal received April 25, 2008
Additional Information Request dated May 16, 2008
Additional Information Response received June 12, 2008

Subsection A
GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

   a. Have access to and copy any records that must be kept under the conditions of the permit;

   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

Subsection A
GENERAL CONDITIONS:

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. a description of and cause of non-compliance; and

b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

( ) Determination of Best Available Control Technology (BACT)
( ) Determination of Prevention of Significant Deterioration (PSD)
(**X**) Compliance with New Source Performance Standards (NSPS)

Subsection A
GENERAL CONDITIONS:

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

    c. Records of monitoring information shall include:

    - the date, exact place, and time of sampling or measurements;
    - the person responsible for performing the sampling or measurements;
    - the dates analyses were performed;
    - the person responsible for performing the analyses;
    - the analytical techniques or methods used; and
    - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

The following specific conditions apply to the Emissions Units and Emission Points listed below:

Emissions Unit	Brief Description
001	265 tons per hour counter current drum mix asphalt plant manufactured by Astec Corporation. A portable Turbo 400 Double Barrel Dryer/Drum Mixer plant. Air Pollution Control Equipment: One (1) Astec Model SBH-56 Pulse Jet Baghouse, Serial No. 87099-7 Outlet Gas Flow Rate.....…. 66,050 ACFM Outlet Gas Temperature.....……..... 337 °F Cleaning Method…… …… Reverse Pulse Jet No. of Bags……1216 Bag Material……..Aramid Fiber (or equivalent) Total Area to Filter Media (sq. ft.)…….11,588 ft^2 Air to Cloth Ratio…….5.7:1 Stack Height…….approximately 32 ft. Particulate Matter estimated control efficiency……..99.5%

Emission Point	Brief Description
01	Asphalt Cement Tank Heater - No Control Device

OPERATIONAL PARAMETERS

B.1.a. Hours of Operation: The hours of operation shall not exceed 2000 hours/year.

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.; Construction Permit No. AC16-135386; Construction Permit No. 7770270-004-AC]

B.1.b. Hours of Operation – Asphalt Cement Tank Heater: The hours of operation of this emissions unit 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.; Applicant request dated December 14, 1999; Construction Permit No. 7770270-004-AC]

B.2 Maximum Operation Rate: Except as limited in Condition A.24., the maximum production rate of asphalt shall not exceed 265 tons per hour and 500,000 tons in any consecutive 12-month period.

*The asphalt mixture (charge) may contain up to a maximum of 40 percent RAP material based on a daily average.

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.; 62-210.300(3)(c)2.a.,F.A.C.; Construction Permit No. 7770270-004-AC]

B.3. Method of Operation- Fuels: The asphalt plant is subject to the following limitations:

a. New (virgin) No. 2 fuel oil, virgin No. 5 fuel oil, and On-Specification Used oil are the only fuels authorized to be fired in the asphalt drum burner.
b. Virgin No. 2 fuel oil is the only fuel authorized to be fired in the asphalt cement tank heater.
c. The maximum sulfur content of virgin, No. 5 fuel oil and on-specification used oil, shall not exceed 1.0% by weight.
d. The maximum sulfur content of virgin, No. 2 fuel oil shall not exceed 0.5% by weight.
e. The maximum heat input to the asphalt drum burner shall not exceed 63 MMBtu/hr.
f. Total virgin, No. 5 fuel oil or on-spec used oil consumed shall not exceed 960,000 gallons in any consecutive, 12-month period.
g. Total fuel oil consumed at all fuel sources at the facility (including the asphalt cement tank heater, asphalt drum burner, and RAP crusher system) shall not exceed 1,200,000 gallons in any consecutive, 12-month period.

[Rule 62-4.070, F.A.C.; Rule 62-210.300(3)(c)2.b.,F.A.C.; Air Construction Permit No. 7770270-004-AC; Applicant Request dated January 4, 1999, Construction Permit No. AC16-135386]

B.4. Method of Operation – Double Barrel Drum Dryer/Mixer Control Device: The baghouse shall be maintained in good operating condition and be used at all times during the operation of the rotary drum mixer/dryer and filling of the lime silo.

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

B.5. Asphalt Plant – Title V Exemption Restrictions: An asphalt plant claiming exemption from Title V air permitting in accordance with Rule 62-210.300(3)(c), F.A.C., shall not collocate with, or relocate to, any Title V source; nor shall it create a Title V source in combination with any other collocated facilities, emissions units, or pollutant-emitting activities, including any such facility, emissions unit, or activity that is otherwise exempt from permitting.

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

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.6. Visible Emissions- Asphalt Plant: Visible emissions from this emissions unit, shall not equal or exceed 20 percent opacity. This opacity standard applies at all times except during periods of startup, shutdown, and malfunction of the emissions unit.

[40 CFR 60.92(a)(2); 40 CFR 60.11(c); Rule 62-204.800(7)(b)12.,F.A.C. Rule 62-210.300(3)(c)2.f.,F.A.C.]

B.7. Particulate Matter Emissions- Asphalt Plant: Particulate Matter emissions from this emissions unit shall not exceed 0.04 grains per dry standard cubic foot, averaged over a three-hour period, and 10.32 pounds per hour, and 10.32 tons in any consecutive 12-month period.

Permitting Note: Basis of 30,100 dscfm

[40 CFR 60.92(a)(1); Rule 62-204.800(7)(b)12.,F.A.C. Rule 62-210.300(3)(c)2.d.,F.A.C.; Air Construction permit No. 7770270-004-AC]

B.8. On-specification Fuel Oil: The burning of off-specification used oil is prohibited. For each shipment of on-specification used fuel oil and prior to blending with any fuel oil authorized for this emissions unit, the on-specification used oil shall be incompliance with the following specifications of 40 CFR 761.20(e)(2) and (3) and 40 CFR 279.11.

On-Spec Used Oil Specifications	
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

If the on-specification used fuel oil is generated at the facility, compliance shall be demonstrated by conducting analysis of the on-specification used fuel 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.]

B.9. Unconfined Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of material; construction, alteration, demolition or wrecking; or industrially activity such as loading, unloading, storing and handling; without taking reasonable precaution to prevent such emissions. Reasonable precautions may include but are not limited to the followings, as necessary:

a. Reduced speed for vehicular traffic.
b. Use of dust suppressants or wetting agents.
c. Use of paving or other asphaltic materials.
d. Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or wetting prior to sweeping.

Specific Condition B.9. Continued:

e. Covering of trucks, trailers, frontend loader and other vehicles or containers to prevent spillage of particulate matter during transport.
f. Use of mulch, hydo seeding, grassing and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
g. Use of hoods, fans, filters and similar equipment to contain, capture and prevent particulate matter.
h. Enclosure or covering of conveyor systems.
i. Confining abrasive blasting where possible. Blasting is restricted when the wind speed is greater than 15 mph unless the facility uses some type of confining structure or equipment to minimize or reduce the release of particulate matter.
j. Sprinkling or otherwise wetting or conveyor systems.

[Rule 62-296.320(4)(c), F.A.C. Rule 62-210.300(3)(c)2.e.,F.A.C.]

B.10. General Visible Emissions Standard. Except for emissions unit that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharge into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on Ringelmann Chart (20% opacity). Compliance shall be determined by EPA Method 9 upon Department's request, incorporated and adopted by reference in Rule 62-297, F.A.C.

[Rule 62-296.320(4)(b) 1., F.A.C.]

B.11. General Pollutant Emission Limiting Standards: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department or its designee.

[Rule 62-296.320(1)(a), F.A.C.]

B.12. 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.

[Rule 62-296.320(2), F.A.C., Objectionable Odor Prohibited; and, Rule 62-210.200(181), F.A.C., Definitions-Objectionable Odor]

B.13. Open Burning Prohibition: Open burning is prohibited, except when determined by the Department to be the only feasible method of operation and authorized by this permit or an emergency exists which requires immediate action to protect human health and safety.

[Rule 62-296.320(3)(a)&(b), F.A.C.]

B.14. This emissions unit is also subject to the applicable requirements of 40 CFR 60, Subpart A (see Appendix A of this permit).

EXCESS EMISSIONS

{Permitting note: The Excess Emissions Rule at Rule 62-210.700, F.A.C., cannot vary any requirement of a NSPS or NESHAP provision.}

B.15. Excess Emissions -Allowed. Excess emissions resulting from startup, shutdown, or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C.]

B.16. Excess Emissions -Prohibited. Excess Emissions which are cause entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

TEST METHODS AND PROCEDURES

B.17. Particulate Matter Emissions: The test method for particulate matter emissions shall be EPA Method 5, incorporated and adopted by reference in Chapter 62-297, F.A.C. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf). EPA Methods 1, 2, 3, and 4, incorporated and adopted by reference in Chapter 62-297, F.A.C., shall also be used as required by EPA Method 5.

The particulate matter emissions test shall be conducted concurrently with the visible emissions test required in Specific Condition No. B.18.

A compliance test for particulate matter emissions shall be conducted on an annual basis, at least once each federal fiscal year (October 1 – September 30).

[40 CFR 60.8(a); 40 CFR 60.93(a); 40 CFR 60.93(b)(1); Rule 62-4.070(3),F.A.C.; Rule 62-210.300(3)(c)2.i.,F.A.C]

B.18. Visible Emissions: 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.

The visible emissions test shall be conducted concurrently with the particulate matter emissions compliance test required in Specific Condition No. B.17.

Specific Condition B.18. Continued:

A visible emissions test shall be conducted on an annual basis, at least once each federal fiscal year (October 1 – September 30).

[40 CFR 60.8(a); 40 CFR 60.93(a); 40 CFR 60.93(b)(2); Rule 62-297.310(7)(a)4.a., F.A.C.; Rule 62-210.300(3)(c)2.i.,F.A.C]

B.19. EPA Method 9- Required Sampling Time. The required minimum period of observation for each compliance test shall be thirty (30) minutes. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(4)(a)2., F.A.C.]

B.20. Sulfur Content of Fuel Oils: The test method to determine the sulfur content by weight of all fuel oils shall be either ASTM D4057-88 and ASTM D129-91, ASTM D2622-94, or ASTM D4294-90, adopted and incorporated by reference in Rule 62-297.440(1),F.A.C . (or equivalent).

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

B.21. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310(7)(b), F.A.C.]

B.22. Compliance Test Procedures. Compliance test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rule 62-296.410(3)(c), F.A.C.]

B.23. Required Number of Test Runs. For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, the Secretary or his or her designee may accept the results of the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is at least 20% below the allowable emission limiting standard.

[Rule 62-297.310(1),F.A.C.; 40 CFR 60.8(f)]

B.24. 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 A.2.). 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.]

EQUIPMENT REQUIREMENTS

B.25. Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

[Rule 62-297.310(5)(a), F.A.C.]

B.26. Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5)(b), F.A.C.]

B.27. Control Equipment. Control equipment shall be provided with a method of access that is safe and readily accessible.

[Rule 62-297.310(6), FAC.]

B.28. Circumvention of Control Devices. No person shall circumvent any air pollution control device, or allow the emissions of air pollutants without the applicable air pollution control device operating properly.

[Rule 62-210.650, F.A.C.]

B.29. Compliance Testing Facilities: The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows:

(1) Sampling ports adequate for test methods applicable to such facility. This includes

(i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and

(ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.

(2) Safe sampling platform(s).

(3) Safe access to sampling platform(s).

(4) Utilities for sampling and testing equipment.

[40 CFR 60.8(e)(1), (2), (3) & (4)]

NOTIFICATIONS, RECORDKEEPING AND REPORTING REQUIREMENTS

B.30. 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.31. Compliance Test Report Submittals. Reports of the required compliance tests shall be filed with the Air Compliance Section of this Office as soon as practical but no later than 45 days after the last test is completed.

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

B.32. 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.3.

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

B.33. On-Specification Fuel Oil Records. The permittee shall maintain records on-site to demonstrate that each shipment of on-specification fuel oil, prior to any blending, meets requirements specified in Specific Condition No. B.8. The records shall be readily available for Department inspection or submittal to the Department upon request.

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

B.34. Baghouse Maintenance and Operation Records. The baghouse for the asphalt plant shall be inspected and maintained in accordance with the recommendations developed for the equipment by the vendor. Inspection and maintenance documentation shall be retained at the facility for at least 5 years and made readily available for inspection by the Department. Documentation shall include, but is not limited to the following:

A. Monthly record of the pressure drop (in H_2O) across the baghouse during normal operation;
B. Inspection and maintenance of the baghouse cleaning system to minimize particulate buildup or caking on the filter bags;
C. Inspection and replacement, as needed, of the baghouse bags. Bags should be checked for any tears, holes, abrasions, and scuffs;
D. Date of maintenance and the observations were performed;
E. What maintenance and observations were performed;
F. Name and title of the personnel performing the maintenance/inspections/observations.

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

B.35. Recordkeeping: 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. The records shall be retained for five years.

a. The total amount of HMA produced (in tons).
b. The hours of operation of producing HMA.
c. The percent RAP used in the HMA produced.
d. The type and quantity, in gallons, of each type of fuel used to fire the drum dryer burner.
e. The quantity, in gallons, of No. 2 fuel oil fired in the asphalt cement tank heater.

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

B.36. Excess Emissions – Malfunctions. In case of excess emissions resulting from malfunctions, the owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

[Rule 62-210.700(6), F.A.C.]

B.37. 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 annually 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.]

B.38. Notification of Intent to Relocate: The owner or operator of the facility must submit a Notification of Intent to Relocate Air Pollutant Emitting Facility [DEP Form No. 62-210.900(6)] to the Department's District office or the appropriate local program office at least thirty (30) days prior to the change, if the facility would be relocated to a county listed in this permit as a county in which the facility is authorized to locate. The form may not be used unless the facility is currently authorized by this permit to locate in the county to which it intends to relocate. 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]

B.39. Plant Operation – Problems. If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules.

[Rule 62-4.130, F.A.C.]

ADMINISTRATIVE

B.40. The ID Number and Project Name for this source shall be used on all correspondences.

B.41. Definitions. Rules 62-210.200(159), (230) and (245), F.A.C. define the following terms.

a. *Startup* is defined as the commencement of operation of any emissions unit which has shut down or ceased operation for a period of time sufficient to cause temperature, pressure, chemical or pollution control device imbalances, which result in excess emissions.

b. *Shutdown* is the cessation of the operation of an emissions unit for any purpose.

c. *Malfunction* is defined as any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner.

[Rule 62-210.200(159), (230), and (245), FAC.]

B.42. Applicable Regulations. The facility is subject to the following regulations: Florida Administrative Code Chapters 62-4; 62-103; 62-204; 62-210; 62-212, 62-296, and 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations.

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

B.43. General Conditions. The owner or operator is subject to and shall operate under the General Permit Conditions 1 through 15 of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes.

[Rule 62-4.160, F.A.C.]

B.44. 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(1), F.A.C.]

B.45. Construction Permit Required. Unless exempt from permitting pursuant to Rule 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., an air construction permit shall be obtained by the owner or operator of any proposed new, reconstructed, or modified facility or emissions unit, or any new pollution control equipment prior to the beginning of construction, reconstruction pursuant to CFR 60.15 or 63.2, or modification of the facility or emissions unit or addition of the air pollution control equipment; or to establish a PAL; in accordance with all applicable provisions of Chapter 62-210, F.A.C., Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C.

[Rule 62-210.300(1)(a), F.A.C.]

B.46. All reports, tests, notifications or other submittals required by this permit shall be submitted to the:

Department of Environmental Protection
Northeast District – Air Program
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256
Telephone: 904/807-3300
Fax: 904/448-4366

B.47. A completed **Application for Non-Title V Air Permit Renewal** (DEP Form No. 62-210.900(4), F.A.C.), 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 permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.

[Rules 62-4.055, 62-4.090, and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

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

Air Operation Permit No. 7770270-009-AO
APPENDIX PC- PERMITTED COUNTIES

The applicant has published the proper public notices and is authorized to operate in the following counties:

Permitted Counties	Date of Publication	Permitted Counties	Date of Publication	Permitted Counties	Date of Publication
Alachua		Hamilton		Okeechobee	
Baker		Hardee		Orange	
Bay		Hendry		Osceola	
Bradford		Hernando		Palm Beach	
Brevard		Highlands		Pasco	
Broward		Hillsborough		Pinellas	
Calhoun		Holmes		Polk	
Charlotte		Indian River		Putnam	
Citrus		Jackson		St. Johns	
Clay	**December 22, 2005**	Jefferson		St. Lucie	
Collier		Lafayette		Santa Rosa	
Columbia	**February 17, 2000**	Lake		Sarasota	
Dade		Lee		Seminole	
DeSoto		Leon		Sumter	
Dixie		Levy		Suwannee	
Duval	**July 23, 1987**	Liberty		Taylor	
Escambia		Madison		Union	
Flagler		Manatee		Volusia	
Franklin		Marion		Wakulla	
Gasden		Martin		Walton	
Gilchrist		Monroe		Washington	
Glades		Nassau			
Gulf		Okaloosa			