**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**
Northwest District
160 W Government St., Suite 308
Pensacola, Florida 32502-5740

RICK SCOTT
GOVERNOR

JENNIFER CARROLL
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

*Sent by Electronic Mail – Received Receipt Requested*

**PERMITTEE**

Roads, Inc.
106 Stone Boulevard
Cantonment, Florida 32533

Authorized Representative:
Cody Rawson, President

Air Permit No. 7775744-001-AC
Permit Expires: November 1, 2017

Plant Name: Cantonment Asphalt Concrete Plant
Minor Source Air Construction Permit
Project Name: New Hot-Mix Asphalt Concrete Plant

This is the final air construction permit, which authorizes the construction of a new Hot-Mix Asphalt Concrete Plant. The proposed work will create a new asphalt concrete manufacturing facility (Standard Industrial Classification No. 2951). The facility will be located in Escambia County at 15 Becks Lake Road in Cantonment, Florida. The UTM coordinates are Zone 16, 469.51 km East, and 3386.67 km North. As noted in the Final Determination provided with this final permit, no changes were made to the draft permit.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

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

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C., and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C., for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Pensacola, Florida

Rick Bradburn

11/1/12

Rick Bradburn, Air Program Administrator (Date)

## 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 November 1, 2012 to the persons listed below.

Cody Rawson, Roads, Inc.: crawson@roadsinc.com
Debra J. Hitchcock, P.E.; Ascendant Solutions, LLC: dhitchcock@ascendantllc.net

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

MB Clule

11/1/12

(Clerk) (Date)

## FACILITY AND PROJECT DESCRIPTION

### Proposed Project

This project is to construct a new relocatable 300 tons per hour Almix uni-flow drum mix asphalt concrete plant, Model No. 10048, manufactured by Asphalt Equipment Company. The facility will contain an aggregate feed system, a drum dryer with a 100 MMBtu/hr burner, two electrically heated asphalt cement storage tanks (one 20,000 gallon and one 30,000 gallon tank), and three 100-ton electrically heated asphalt product storage silos. The primary fuel will be natural gas; however, the facility may burn No.2 and No. 4 fuel oil with a sulfur content of 0.6 % or less, by weight. The burner firing rate is 80.5 MM Btu/hr at the maximum plant operating rate. The maximum recycled asphalt pavement (RAP) usage rate will be 35% for the product mix. Particulate emissions from the plant will be controlled by a 62,000 cubic feet per minute relocatable Almix reverse air baghouse, Model No. 62KRA, which uses 780 Nomex bags, with a total cloth area of 13,470 $ft^2$ and an air-to-cloth ratio of approximately 4.6:1. The filter bags will be cleaned by reversing exhaust air back into the bags to remove the dust cake. The fines from the baghouse will be recycled into the asphalt mix. Fugitive emissions at the facility will result from uncontrolled process emissions, aggregate stockpiles and vehicular traffic. Front end loaders will be used to transfer aggregate from storage piles to the aggregate storage bins. Aggregate from the bins will be proportioned by calibrated belt feeders onto a common collecting belt, and then conveyed to a slinger conveyer which throws the material into the drying drum. After the aggregate is thoroughly dried, it is combined with RAP and baghouse fines, preheated to drive off moisture, and then mixed with hot liquid asphalt in the mixing drum to create the asphalt concrete product. The final product is conveyed by a fully enclosed chain conveyor to the storage silos for discharge into trucks.

Aggregate will be brought on site by trucks and stored in piles. A relocatable RAP crushing system, under an Air General Permit, may be operated at the facility periodically to provide RAP for the asphalt mix.

The facility is regulated under NSPS, 40CFR part 60, subpart I (Standards of Performance for Hot-Mix Asphalt Facilities) and Rule 62-210.300(3)(c)2., F.A.C. (Conditional Exemptions from Title V Permitting). The facility is a synthetic minor source with an annual throughput limit of 500,000 tons of asphalt concrete produced per year. Fuel oil consumption for the asphalt concrete plant, including the portable RAP crusher, is limited by applicant request to 1.1 million gallons in any consecutive 12-month period, and the fuel oil sulfur content is limited to 0.6% or less, by weight. These limitations requested by the applicant are stricter than the limits required by Rule 62-210.300(3)(c)2., F.A.C.

Based on the permit application received September 19, 2012, this facility is not a major source of hazardous air pollutants (HAP).

This project will create the following emissions units.

| **Facility ID No.** 7775744 | |
|---|---|
| **ID No.** | **Emissions Unit Description** |
| 001 | Asphalt Concrete Plant with Baghouse |
| 002 | Portable RAP Crushing System |

## FACILITY REGULATORY CLASSIFICATION

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

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northwest District Air Resource Management Program, Florida Department of Environmental Protection (Department). The District's mailing address is 160 W. Government Street, Suite 308, Pensacola, Florida 32502-5740. All documents related to applications for permits to operate an emissions unit shall be submitted to the District Office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the District Office at the above address or nwdair@dep.state.fl.us.
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.
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, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. 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.]

## SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

### A. Asphalt Plant

This section of the permit addresses the following emissions unit.

| ID No. | Emissions Unit Description |
|---|---|
| 001 | Asphalt Concrete Plant with Baghouse |

### EQUIPMENT

1. Equipment Name: The permittee is authorized to install a 300 TPH Hot-Mix Asphalt Concrete Plant with a baghouse. Equipment to be installed by this project include:

   a. Almix Duo Drum Mix Asphalt Concrete Plant, with a 100 MM Btu/hour Hauck Eco Star burner.
   b. Almix Baghouse, with a 200 HP electrically powered exhaust fan.
   c. Two electrically heated asphalt cement storage tanks (one 20,000 gallon and one 30,000 gallon tank).
   d. Three electrically heated 100-ton asphalt concrete product storage silos.
   [Application No. 7775744-001-AC]

### PERFORMANCE RESTRICTIONS

2. Permitted Capacity: For compliance testing purposes only, the maximum allowable operating rate of the asphalt concrete plant is 300 tons of asphalt concrete mix produced per hour. [Rules 62-210.200(PTE) and 62-4.160(2), F.A.C., and Application No. 7775744-001-AC]

3. Production: The production rate of asphalt concrete (RAP or Non-RAP containing) shall not exceed 500,000 tons in any consecutive 12-month period. [Rules 62-4.160(2), 62-210.200(PTE) and 62-210.300(3)(c)2.a., F.A.C.]

4. Authorized Fuel: The facility may use natural gas or fuel oil. The total combined amount of fuel oil consumed by the asphalt concrete plant, including the portable RAP crusher and other stationary oil burning equipment, shall not exceed 1.1 million gallons in any consecutive 12-month period. The facility may not use fuel oil that has a sulfur content of more than 0.6% by weight. [Rules 62-210.200(PTE) and 62-210.300(3)(c)2.b. & c., F.A.C., requested by applicant and Application No. 7775285-001-AC]

5. Restricted Operation: The hours of operation of the emissions unit are not limited (8,760 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

### EMISSIONS STANDARDS

6. Emissions Standards:

   a. Particulate Matter. Particulate matter emissions, associated with the asphalt concrete plant, shall not exceed 0.04 grains per dry standard cubic foot averaged over a three-hour period. [Rules 62-204.800(8)(b)12 and 62-210.300(3)(c)2.d., F.A.C.; 40 CFR 60.92(a)(1), and Application No. 7775744-001-AC]

   b. Visible Emissions. Visible emissions, associated with the asphalt concrete plant shall be less than 20% opacity. [Rules 62-204.800(8)(b)12 and 62-210.300(3)(c)2.f., F.A.C., 40 CFR 60.92(a)(2), and Application No. 7775744-001-AC]

### TESTING REQUIREMENTS

7. Initial Compliance Tests: The emissions unit shall be tested to demonstrate initial compliance with the emissions standards for Particulate Matter and Visible Emissions. The initial tests shall be conducted within 60 days after achieving permitted capacity, but not later than 180 days after initial operation of the unit. Notification of compliance testing and completed test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

8. Annual Compliance Tests: During each federal fiscal year (October 1 to September 30), the emissions unit shall be tested to demonstrate compliance with the emissions standards for Particulate Matter and Visible Emissions. Notification of compliance testing and completed test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. Rules 62-297.310(7)(a)4 and 62-210.300(3)(c)2.i. F.A.C.]

   An annual compliance test for Particulate Matter shall not be required for any fuel burning emissions unit that, in a federal fiscal year, does not burn liquid and/or solid fuel, other than during startup, for a total of more than 400 hours. A Visible Emissions test is still required to be performed annually according to Rule 62-297.310(7)(a)4, F.A.C. [Rule 62-297.310(7)(a)5., F.A.C. ]

9. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Notification may be sent via e-mail to nwdair@dep.state.fl.us. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

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

| Method | Description of Method and Comments |
|---|---|
| 5 or 5A | Determination of Particulate Emissions from Stationary Sources or Determination of Particulate Emissions from the Asphalt Processing and Asphalt Roofing Industry |
| 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 Rules 62-204.800 and 62-297.401, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.401, F.A.C.; and Appendix A of 40 CFR 60]

## MONITORING REQUIREMENTS

11. Baghouse Operating Parameters The operation of the Almix baghouse shall be properly adjusted to maintain a 1 to 3 iWC pressure drop across the bags at all times to control particulate emissions. The pressure drop shall be checked twice per day and the pressure readings recorded in a logbook and made available for inspection by the Department. [Rules 62-4.160(2) and 62-4.070(3), F.A.C., and Application No. 7775744-001-AC]

## RECORDS AND REPORTS

12. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(8), F.A.C.]

13. Operational Data: Permittee shall check and record the baghouse pressure differential twice per day and record readings in a logbook. The logbook shall be made available for inspection by the Department. [Rules62-4.070(3) and 62-4.160(2), F.A.C.]

14. Recordkeeping: The owner or operator shall maintain records to document the monthly and the 12-month rolling totals of tons of asphalt concrete produced, the gallons of fuel oil consumed by the asphalt concrete plant, including the portable RAP crusher engine and other stationary oil burning equipment. The owner shall maintain records to demonstrate that each shipment of fuel oil has 0.6% or less sulfur and that the sulfur content was determined by ASTM methods 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), or updated versions of the referenced ASTM methods approved by the Department. Such records shall be retained for five years. [Rules 62-4.070(1) and 62-210.300(3)(c)2.g., and Application No. 7775744-001-AC]

## PORTABLE RAP CRUSHERS

15. Any portable RAP crusher operating at this facility is subject to all the terms and conditions of its current Air General (AG) Permit and any denoted applicable condition of this Air Operating Permit. A portable RAP crusher shall be tested in accordance with its current AG permit requirements. [Rule 62-4.070(1), F.A.C.]

## LOCATION, RELOCATION, CO-LOCATION

16. Relocation Prior to any relocation of the asphalt concrete plant, the owner or operator must submit for Department approval a Notification of Intent to Relocate Air Pollutant Emitting Facility [DEP Form 62-210.900(6)] and a $250 minor modification application fee to the appropriate District office at least 30 days prior to the relocation. You can obtain a permit application form or apply for permit renewal electronically at: http://www.dep.state.fl.us/air/emission/permitting.htm. The supplemental requirements of the form include:

    1. Provide a scale map (e.g., the relevant portion of a USGS topographic map) showing the proposed new location of the facility and points of air pollutant emissions in relation to roads and other features of the surrounding area.
    2. If relocating to a different DEP district or local air permitting office area of jurisdiction, provide a copy of the most recent compliance test report.

    The Department shall require Permittee to publish public notice of Proposed Agency Action, which shall be provided by the Department prior to issuance of authorization for the relocation. Proof of publication may be submitted by electronic mail to nwdair@dep.state.fl.us.
    [Rule 62-210.900(6), F.A.C., and Application 7775744-001-AC]

17. This permit is a conditional exemption from Title V permitting in accordance with Rule 62-210.300(3)(c)2, F.A.C. 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 62-210.300(3)(c)2.j., F.A.C]

## NSPS REQUIREMENTS

18. 40 CFR 60 Requirements Incorporated. All requirements of Title 40, Code of Federal Regulations, part 60, subpart A, General Provisions, and Subpart I, Standards of Performance for Hot-Mix Asphalt Facilities, applicable to this source shall be adhered to. [Rule 62-204.800(8)(b), F.A.C.]

**Section III. Emissions Unit(s) and Conditions.**

**Subsection B. This section addresses the following emissions unit.**

| **Facility ID No. 7775744** | |
|---|---|
| **EU ID No.** | **Emissions Unit Brief Description** |
| 002 | Portable RAP Crushing System |

A portable RAP crushing system, with a current air general permit, may be operated at the facility periodically to provide RAP for the asphalt mix, as requested by the Permittee in Application No. 7775744-001-AC, received September 19, 2012. To ensure that the facility remains a Non-Title V facility, the facility-wide limits shall also include the periodically operated portable RAP crushing system. Overall RAP processing is limited to 200,000 tons per consecutive 12-month period.

The crushing system is not enclosed in a building. There are no stacks or baghouses associated with the crushing system. The crushing system is subject to New Source Performance Standards (NSPS) 40 CFR 60subpart OOO, Standards of Performance for Non-Metallic Mineral Processing Plants, and to 40 CFR 60 subpart A, General Provisions. [Rules 62-204.800(8)(b)12 & (d), F.A.C.]

**The following specific conditions apply to the emissions unit listed above:**

**Operating Authorization**

**1.** This facility may operate a nonmetallic mineral processing plant on this site as allowed by its current air general permit and this permit. The crushing system is subject to its current air general permit. In case of conflict, this permit shall supersede the air general permit. [Rule 62-210.310(5)(e)5, F.A.C., and Application No. 7775744-001-AC]

**Essential Potential to Emit (PTE) Parameters**

**2.** Capacity. The maximum permitted operating rate for the RAP crushing system is 200,000 tons per consecutive 12 months. [Rule 62-210.200, F.A.C.; and Application No. 7775744-001-AC]

**3.** Fuel Types and Usage. Total combined fuel oil consumption for the asphalt concrete plant, crushing system and other stationary oil burning equipment shall not exceed 1.1 million gallons in any consecutive 12-month period. The facility may not use fuel oil that has a sulfur content of more than 0.6% by weight. [Rules 62-210.200(PTE) and 62-210.300(3)(c)2.b, F.A.C., requested by applicant and Application No. 7775744-001-AC]

**4.** Florida Air Permit Requirement. Authorization for Crushing System Operations. The operation of any currently Air General (AG) permitted crushing system is allowed as long as the following criteria are complied with:

a. Collocation Requirements. Collocation of the crushing unit does not create a Title V source;
b. Requirements. The crushing unit meets the requirements of this permit and its AG permit.
c. Notification. The portable crushing system owner or operator shall notify the Department's Northwest District in writing prior to the relocation of a crusher to this facility's site, in addition to meeting the relocation notification requirements of Rule 62-210.310(5)(e)3.f, F.A.C.

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

**B.** Portable RAP Crushing System

**Emissions Standards**

**5.** Emissions Standards. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO:
(1)

| Brief Description | Maximum Percent Opacity | |
|---|---|---|
| Portable Crusher | 15%[1] | 12%[2] |
| *Hopper (Non-40 CFR 60 Subpart OOO) | <20% | |
| All conveyor Belt Transfer Points | 10%[1] | 07%[2] |
| All Screens | 10%[1] | 07%[2] |
| All other Non-NSPS Points | <20% | |
| Crusher Diesel Engine | <20% | |

[1] For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/2008.
[2] For crushers and affected pieces of equipment (e.g., screens) that commenced construction, modification or reconstruction on or after 4/22/2008.
[Rules 62-210.200 ("Potential to Emit") and 62-296.320(4)(b), F.A.C.; 40 CFR 60.672]

*{*Permitting Note: Visible emissions from the transfer of material into the hopper and onto the coarse and fine storage piles are covered under the facility-wide visible emission limitation of 20%. These transfer points do not require visible emissions testing.}*

**6.** Opacity Standard - Exceptions. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: The opacity standards stated above, 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.]

**7.** Subpart A – General Provisions. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: The owner or operator shall comply with the applicable requirements of 40 CFR 60 subpart A – General Provisions. [40 CFR 60.1(a) and Rule 62-204.800(8), F.A.C.]

**Testing Requirements**

**8.** Visible Emissions Test Requirements. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: In order to determine compliance with the visible emission limitations for the crushing system that is brought on site, Permittee shall maintain on site either documentation of the most recent annual visible emissions test that complies with the crushing system's General Permit requirements prior to locating at this site or shall test on site. The most recent test shall not be older than the previous federal fiscal year. [Rule 62-4.070(3), F.A.C.]

**9.** Off-Site Test Requirements. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: An off-site test may be accepted by the Department provided the required documentation listed in Records and Reports below can be provided to the Compliance Authority with the test report. In addition, the crushing system must have been tested while operating with the same or more emission points and equipment that will be operating while on site. If an off-site visible emissions test is used to

demonstrate compliance, the crusher shall not be operated at rates greater than 110% of the actual processing rate measured during that test. [Rule 62-4.070(3), F.A.C.]

**10.** On-Site Test Requirements. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: If adequate documentation is not available, Permittee shall test for visible emissions as soon as possible but no later than 30 days of placing the crushing system into operation after the effective date of this permit. Once tested, the crushing system may not operate in a configuration that has more pieces of equipment and/or emission points than were operating during the test unless a new compliance test is conducted with the greater number of pieces of equipment and/or emission points. If the crusher remains on site, the crushing system shall be tested for visible emissions annually during each federal fiscal year (October 1 – September 30) that the crushing system is on site. [Rules 62-4.070(3) and 62-297.310 (7)(a), F.A.C.]

**11.** Visible Emissions Testing Requirements. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: On-site visible emissions testing shall be conducted in accordance with the following:

a. The duration of the Method 9 observations must be 30 minutes (five six-minute averages). Compliance with the VE opacity limit must be based on the average of the five six-minute averages.

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

**12.** Test Method. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 Subpart OOO: Required tests shall be performed in accordance with the following reference methods.

| Method(s) | Description of Method and Comments |
|---|---|
| 9 | Visual Determination of the Opacity of Emissions from Stationary Sources |

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

[Rules 62-204.800 and 62-297.401, F.A.C.; and 40 CFR 60, Appendix A]

**Monitoring Requirements**

**13.** Monitoring Requirements. If any affected piece(s) of equipment of the concrete crushing system (i.e., crusher, screen or conveyor belt) was constructed, modified or began reconstruction on or after April 22, 2008, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection. [40 CFR 60.674(b)]

**Notification Requirements**

**14.** On-Site Test Notification. Permittee shall notify the Compliance Authority in writing at least 15 days prior to any required on-site tests. The notification must include the following information: the date, time and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and, the name, company and telephone number of the person conducting the test. The notification should also include the relevant emissions unit ID No(s)., test method(s) to be used, and pollutants

to be tested. Notification may be submitted by electronic mail to nwdair@dep.state.fl.us. [Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

**Records and Reports**

**15.** On-Site Test Report Requirements. Permittee shall prepare and submit to the Compliance Authority reports for all required tests in accordance with the requirements specified below. Reports may be submitted by electronic mail to nwdair@dep.state.fl.us. The test report must include the following:

a. owner name;
b. current Air General Permit number;
c. manufacturer's maximum rated capacity for any material *(i.e., the rated TPH capacity of the material with the highest processing rate)*;
d. date each affected piece of equipment of the crushing system commenced construction, modification or reconstruction;
e. type of material processed;
f. actual material handling rate during the test period (tons/hour);
g. configuration of the crushing system during the test to include specific pieces of equipment, emission points and/or a process flow diagram; and,
h. a copy of the operating logs for the day and month the test was conducted.

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

**16.** Off-Site RAP Crushing System Test Reports. When demonstrating compliance by the visible emissions test, permittee shall maintain a copy of the most recent VE test report for each crushing system that operated on site. [Rule 62-4.070(3) F.A.C.]

**17.** Crusher Operation Records. In order to document crusher compliance, Permittee shall require the crushing contractor to record and provide to the Permittee the following, while the crushing system is on site:

a. Facility name, facility ID No., emissions unit ID No., crushing system owner's name, Florida General or non-Title V Air Operation Permit No., crushing system serial number and any other identification information so each crushing system can be clearly distinguished from another crushing system;
b. Operating configuration while on-site to include specific pieces of equipment, emission points;
c. Date of most recent visible emissions test and a copy of the test report;
d. Date brought on site, date removed from site;
e. Hours of operation: per day*, per month and per rolling 12-month total; and,
f. Concrete throughput in tons: per day, per month and per rolling 12-month total.
   * If the crushers' engines have run-time hour meters, it is acceptable to log, on the last day of each month, the run hours reading and not have a daily hour's entry in the log.

This information shall be available no later than the last working day of the month following the end of each calendar month and shall be made available for inspection upon request by the Department.
[Rule 62-4.070(3) F.A.C.]

**18.** Monitoring Records. This specific condition does not apply if the portable concrete crushing system is not subject to 40 CFR 60 subpart OOO: If any affected piece(s) of equipment of the concrete crushing system was constructed, modified or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken. [40 CFR 60, 60.674(b)]

Recordkeeping: The owner or operator shall maintain records to document the gallons of fuel oil consumed by the portable RAP crusher engine. The owner shall maintain records to demonstrate that each shipment of fuel oil has 0.6% or less sulfur and that the sulfur content was determined by ASTM methods 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), or updated versions of the referenced ASTM methods approved by the Department. Such records shall be retained for five years. [Rules 62-4.070(1) and 62-210.300(3)(c)2.g., and Application No. 7775744-001-AC]

**Additional NSPS and NESHAP Requirements**

**19.** NSPS Reciprocating Internal Combustion Engine Requirements. If any engine or power generator at the facility is or becomes subject to 40 CFR 60 subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, or 40 CFR 60 subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines the affected engine(s) shall comply with all the limitations and requirements of that subpart. [Rule 62-210.300(3)(a)35., F.A.C.]

**20.** NESHAP Reciprocating Internal Combustion Engine Requirements. A diesel engine in a relocatable unit, such as a crusher, is not considered a stationary engine and is thus not subject to NESHAP 40 CFR 63 subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE), unless the engine stays in the same location at the facility for more than 12 consecutive months. If the crushing system stays at the same location at this facility for more than 12 consecutive months, the diesel engine in the crushing system becomes a stationary engine subject to 40 CFR 63 subpart ZZZZ. [40 CFR 60.4200(a)(2) and Rule 62-210.300(3)(a)35, F.A.C.]

# SECTION 4. APPENDICES

## Contents

Appendix A. Citation Formats and Glossary of Common Terms
Appendix B. General Conditions
Appendix C. Common Conditions
Appendix D. Common Testing Requirements

# SECTION 4. APPENDIX A

## Citation Formats and Glossary of Common Terms

### CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

**Old Permit Numbers**

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: "AC" identifies the permit as an Air Construction Permit
"AO" identifies the permit as an Air Operation Permit
"123456" identifies the specific permit project number

**New Permit Numbers**

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: "099" represents the specific county ID number in which the project is located

"2222" represents the specific facility ID number for that county

"001" identifies the specific permit project number

"AC" identifies the permit as an air construction permit

"AF" identifies the permit as a minor source federally enforceable state operation permit

"AO" identifies the permit as a minor source air operation permit

"AV" identifies the permit as a major Title V air operation permit

**PSD Permit Numbers**

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality

"FL" means that the permit was issued by the State of Florida

"317" identifies the specific permit project number

**Florida Administrative Code (F.A.C.)**

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

**Code of Federal Regulations (CFR)**

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

### GLOSSARY OF COMMON TERMS

**° F**: degrees Fahrenheit

**AAQS**: Ambient Air Quality Standard

**acf**: actual cubic feet

**acfm**: actual cubic feet per minute

**ARMS**: Air Resource Management System (DEP database)

**BACT**: best available control technology

**bhp**: brake horsepower

**Btu**: British thermal units

**CAM**: compliance assurance monitoring

**CEMS**: continuous emissions monitoring system

**cfm**: cubic feet per minute

**CFR**: Code of Federal Regulations

## SECTION 4. APPENDIX A

### Citation Formats and Glossary of Common Terms

**CAA**: Clean Air Act

**CMS**: continuous monitoring system

**CO**: carbon monoxide

**$CO_2$**: carbon dioxide

**COMS**: continuous opacity monitoring system

**DARM**: Division of Air Resource Management

**DEP**: Department of Environmental Protection

**Department**: Department of Environmental Protection

**dscf**: dry standard cubic feet

**dscfm**: dry standard cubic feet per minute

**EPA**: Environmental Protection Agency

**ESP**: electrostatic precipitator (control system for reducing particulate matter)

**EU**: emissions unit

**F.A.C.**: Florida Administrative Code

**F.A.W.**: Florida Administrative Weekly

**F.D.**: forced draft

**F.S.**: Florida Statutes

**FGD**: flue gas desulfurization

**FGR**: flue gas recirculation

**Fl**: fluoride

**$ft^2$**: square feet

**$ft^3$**: cubic feet

**gpm**: gallons per minute

**gr**: grains

**HAP**: hazardous air pollutant

**Hg**: mercury

**I.D.**: induced draft

**ID**: identification

**kPa**: kilopascals

**lb**: pound

**MACT**: maximum achievable technology

**MMBtu**: million British thermal units

**MSDS**: material safety data sheets

**MW**: megawatt

**NESHAP**: National Emissions Standards for Hazardous Air Pollutants

**$NO_X$**: nitrogen oxides

**NSPS**: New Source Performance Standards

**O&M**: operation and maintenance

**$O_2$**: oxygen

**Pb**: lead

**PM**: particulate matter

**$PM_{10}$**: particulate matter with a mean aerodynamic diameter of 10 microns or less

**ppm**: parts per million

**ppmv**: parts per million by volume

**ppmvd**: parts per million by volume, dry basis

**QA**: quality assurance

**QC**: quality control

**PSD**: prevention of significant deterioration

**psi**: pounds per square inch

**PTE**: potential to emit

**RACT**: reasonably available control technology

**RATA**: relative accuracy test audit

**RBLC**: EPA's RACT/BACT/LAER Clearinghouse

**SAM**: sulfuric acid mist

**scf**: standard cubic feet

**scfm**: standard cubic feet per minute

**SIC**: standard industrial classification code

**SIP**: State Implementation Plan

**SNCR**: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)

**$SO_2$**: sulfur dioxide

**TPD**: tons/day

**TPH**: tons per hour

**TPY**: tons per year

**TRS**: total reduced sulfur

**UTM**: Universal Transverse Mercator coordinate system

**VE**: visible emissions

**VOC**: volatile organic compounds

## SECTION 4. APPENDIX B

### General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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 403.987(6) and 403.722(5), F.S., 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 this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and 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 reasonable times, 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 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.

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 noncompliance; and

   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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 403.111 and 403.73, F.S. 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. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, 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:

    a. Determination of Best Available Control Technology (not applicable);

    b. Determination of Prevention of Significant Deterioration (not applicable); and

    c. Compliance with New Source Performance Standards (applicable).

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:

        (a) The date, exact place, and time of sampling or measurements;

        (b) The person responsible for performing the sampling or measurements;

        (c) The dates analyses were performed;

        (d) The person responsible for performing the analyses;

        (e) The analytical techniques or methods used;

        (f) 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 the 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.

## SECTION 4. APPENDIX C

### Common Conditions

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

**EMISSIONS AND CONTROLS**

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. Notification may be submitted by electronic mail to nwdair@dep.state.fl.us. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future 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 the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]

2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]

3. 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 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]

4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority 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.]

6. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. No control devices or systems are deemed necessary or ordered by the Department at this time. [Rule 62-296.320(1), F.A.C.]

7. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means 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. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

8. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

9. Unconfined Particulate Emissions: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. The following were determined by Permittee to be appropriate for this facility:
   a. Paving and maintenance of roads, parking areas, and yards.
   b. Application of water or other suppressants to unpaved roads, yards, open stock piles, and other activities to control emissions.
   c. Removal of particulate matter from roads and other paved areas to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
   d. Landscaping or planting of vegetation.
   e. Enclosure or covering of conveyor systems.

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

**RECORDS AND REPORTS**

10. Emissions Computation and Reporting:

a. *Applicability*. This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit. [Rule 62-210.370(1), F.A.C.]

b. *Computation of Emissions*. For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.

(1) Basic Approach. The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.

(a) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.

(b) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C, but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(c) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(2) Continuous Emissions Monitoring System (CEMS).

(a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:

1) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or

2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.

(b) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:

1) A calibrated flow meter that records data on a continuous basis, if available; or

2) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.

(c) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.

(3) Mass Balance Calculations.

(a) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:

1) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and

2) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.

(b) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.

(c) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.

(4) Emission Factors.

a. An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.

1) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.

2) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.

3) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.

b. If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.

(5) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.

(6) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.

(7) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.

(8) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

[Rule 62-210.370(2), F.A.C.]

c. *Annual Operating Report for Air Pollutant Emitting Facility*

(1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:

a. All Title V sources.

b. All synthetic non-Title V sources.

c. All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area.

d. All facilities for which an annual operating report is required by rule or permit.

(2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.

(3) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by April 1 of the following year. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office.

(4) Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.

(5) Facility Relocation. Unless otherwise provided by rule or more stringent permit condition, the owner or operator of a relocatable facility must submit a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the Department at least 30 days prior to the relocation. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.

[Rule 62-210.370(3), F.A.C.]

**ADDITIONAL CONDITIONS**

11. Stack Sampling
Permittee shall install and maintain permanent stack sampling facilities, including sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet requirements of Rule 62-297.310(6), F.A.C., and any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E. [Rule 62-297.310(6), F.A.C.]

12. The applicant shall retain a Professional Engineer, registered in the State of Florida, for the inspection of this project. Upon completion the engineer shall inspect for conformity to the permit application and associated documents. [Rules 62.4-030, 62-4.050(3), and 62-210.300(1)(a) & (2), F.A.C.]

13. Application for Non-Title V Permit: An application for an operation permit shall be submitted with the compliance test results and appropriate fee when applicable. These are to be submitted within 75 days after initial operation. The permittee shall obtain an operating permit for this source before the expiration of the construction permit if the permittee desires to continue operation. You can obtain a permit application form or apply for permit renewal electronically at the following web address: http://www.dep.state.fl.us/air/emission/permitting.htm. [Rules 62.4-030 and 62-210.300(1)(a) & (2), F.A.C.]

14. The Department shall be notified upon commencement of construction. Notification may be submitted by electronic mail to nwdair@dep.state.fl.us. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction. Projects beyond one year require annual status reports. [Rule 62-4.030, F.A.C.]

15. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is 850/595-0578, day or night, and for emergencies involving a significant threat to human health or the environment is 800/320-0519. For routine business, telephone 850/595-8300 during normal working hours. [Rules 62-210.700 and 62-4.130, F.A.C.]

## SECTION 4. APPENDIX D

### Common Testing Requirements

Unless otherwise specified in the permit, the following testing requirements apply to all emissions units at the facility.

**COMPLIANCE TESTING REQUIREMENTS**

1. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate 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), F.A.C.]

2. Applicable Test Procedures - Opacity Compliance Tests: When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be 60 minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and 30 minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:

   a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.

   b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.

   c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be 12 minutes.

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

3. Determination of Process Variables:

   a. *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.

   b. *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), F.A.C.]

4. Frequency of Compliance Tests: The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

   a. *General Compliance Testing.*

      1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.

      2. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing

an air operation permit pursuant to sub-subparagraph 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

(a) Did not operate; or

(b) In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours,

3. During each federal fiscal year (October 1 – September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for visible emissions, if there is an applicable standard.

4. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. Notification of compliance testing may be submitted by electronic mail to nwdair@dep.state.fl.us.

b. *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 one copy of a report on the results of said tests to the Department. Test reports may be submitted by electronic mail to nwdair@dep.state.fl.us.

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

**RECORDS AND REPORTS**

5. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. One copy of the required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. Test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report shall provide the following information.

a. The type, location, and designation of the emissions unit tested.

b. The facility at which the emissions unit is located.

c. The owner or operator of the emissions unit.

d. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.

e. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.

f. The date, starting time and end time of the observation.

g. The test procedures used.

h. The names of individuals who furnished the process variable data, conducted the test, and prepared the report.

i. The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.

j. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

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

# FINAL DETERMINATION

## PERMITTEE

Roads, Inc.
106 Stone Boulevard
Cantonment, Florida 32533

## PERMITTING AUTHORITY

Florida Department of Environmental Protection
Air Resource Management Program
Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

## PROJECT

Air Permit No. 7775744-001-AC
Minor Source Air Construction Permit
Cantonment Asphalt Concrete Plant

This permit authorizes construction of a new hot-mix asphalt concrete plant at 15 Becks Lake Road in Cantonment, Escambia County.

## NOTICE AND PUBLICATION

The Department distributed a draft minor source air construction permit package on October 9, 2012. The applicant published the Public Notice in the Escambia Sun-Press on October 18, 2012. The Department received the proof of publication on October 22, 2012. No requests for administrative hearings or requests for extensions of time to file a petition for administrative hearing were received.

## COMMENTS

No comments on the Draft Permit were received from the public, the EPA Region 4 Office or the applicant.

## CONCLUSION

The final action is to issue the permit with any minor changes, corrections and clarifications as described above.

# Memorandum

Florida Department of
Environmental Protection

To: Rick Bradburn, Air Program Administrator

Through: Armando I. Sarasua, P.E., Air Permitting Supervisor

From: Howard Ard, Project Engineer

Date: November 1, 2012

Subject: Minor Source Air Construction Permit
Project No. 7775744-001-AC
Roads, Inc.; Cantonment Asphalt Concrete Plant
New Hot-Mix Asphalt Concrete Plant

The final permit for this project is attached for your approval and signature, which authorizes construction of a new hot-mix asphalt concrete plant. The work will be performed in Escambia County at 15 Becks lake Road in Cantonment, Florida. The project results in a minor source air construction permit and is not subject to PSD preconstruction review.

The attached Final Determination summarizes the publication and comment process. There are no pending petitions for administrative hearings or extensions of time in which to file a petition for an administrative hearing. I recommend your approval of the attached final permit for this project.

Attachments

HA/c

## Curle, Mary Beth

**From:** Debbie Hitchcock [dhitchcock@ascendantllc.net]
**Sent:** Friday, November 02, 2012 10:07 AM
**To:** Curle, Mary Beth
**Subject:** Re: DEP Air Program Permit 7775744-001-AC; Roads, Inc.; Cantonment Asphalt Concrete Plant

Received - thank you!

Debbie

On Nov 1, 2012, at 12:53 PM, "Curle, Mary Beth" <Mary.Beth.Curle@dep.state.fl.us> wrote:

> Dear Sir/Madam:
> Please verify receipt of the attached document by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send." Your reply will preclude subsequent e-mail transmissions to verify receipt of the document.
> The document may require action within a specified time frame. Please open and review as soon as possible.
> The document is in "pdf" format. Adobe Acrobat Reader can be downloaded for free at: http://www.adobe.com/products/acrobat/readstep.html. When printing the document, select "Document and comments" from the "Print What:" menu item; if this is not done the signature may not appear on the printed document. Please advise this office of any changes to your e-mail address. Thank you.
> Please be advised that if you have anti-virus software, a warning may appear when you attempt to open our document. This is only a warning. We send our documents virus-free.
>
>
>
> Please take a few minutes to share your comments on the service you received from the department by clicking on this link. DEP Customer Survey<http://survey.dep.state.fl.us/?refemail=Mary.Beth.Curle@dep.state.fl.us>.
> <Roads Inc Permit 7775744-001-AC.pdf>

## Curle, Mary Beth

**From:** Darrin Johnson [djohnson@roadsinc.com]
**Sent:** Friday, November 02, 2012 8:03 AM
**To:** Curle, Mary Beth
**Subject:** RE: DEP Air Program Permit 7775744-001-AC; Roads, Inc.; Cantonment Asphalt Concrete Plant

Received

---> dj

---

**From:** Cody Rawson
**Sent:** Thursday, November 01, 2012 4:05 PM
**To:** Darrin Johnson
**Subject:** FW: DEP Air Program Permit 7775744-001-AC; Roads, Inc.; Cantonment Asphalt Concrete Plant

Cody Rawson
President
Roads Inc. of NWF

---

**From:** Curle, Mary Beth [mailto:Mary.Beth.Curle@dep.state.fl.us]
**Sent:** Thursday, November 01, 2012 11:54 AM
**To:** Cody Rawson
**Cc:** dhitchcock@ascendantllc.net; Bradburn, Rick; Sarasua, Armando; Melton, Carol; Ard, Howard
**Subject:** DEP Air Program Permit 7775744-001-AC; Roads, Inc.; Cantonment Asphalt Concrete Plant

Dear Sir/Madam:

Please verify receipt of the attached document by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send." Your reply will preclude subsequent e-mail transmissions to verify receipt of the document.

The document may require action within a specified time frame. Please open and review as soon as possible.

The document is in "pdf" format. Adobe Acrobat Reader can be downloaded for free at: http://www.adobe.com/products/acrobat/readstep.html. When printing the document, select "Document and comments" from the "Print What:" menu item; if this is not done the signature may not appear on the printed document. Please advise this office of any changes to your e-mail address. Thank you.

*Please be advised that if you have anti-virus software, a warning may appear when you attempt to open our document. This is only a warning. We send our documents virus-free.*

*Please take a few minutes to share your comments on the service you received from the department by clicking on this link. DEP Customer Survey.*

## Curle, Mary Beth

**From:** Cody Rawson [crawson@roadsinc.com]
**Sent:** Thursday, November 01, 2012 12:04 PM
**To:** Curle, Mary Beth
**Subject:** Re: DEP Air Program Permit 7775744-001-AC; Roads, Inc.; Cantonment Asphalt Concrete Plant

Thank

Sent from my iPhone

On Nov 1, 2012, at 11:53 AM, "Curle, Mary Beth" <Mary.Beth.Curle@dep.state.fl.us> wrote:

> Dear Sir/Madam:
> Please verify receipt of the attached document by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send." Your reply will preclude subsequent e-mail transmissions to verify receipt of the document.
> The document may require action within a specified time frame. Please open and review as soon as possible.
> The document is in "pdf" format. Adobe Acrobat Reader can be downloaded for free at: http://www.adobe.com/products/acrobat/readstep.html. When printing the document, select "Document and comments" from the "Print What:" menu item; if this is not done the signature may not appear on the printed document. Please advise this office of any changes to your e-mail address. Thank you.
> Please be advised that if you have anti-virus software, a warning may appear when you attempt to open our document. This is only a warning. We send our documents virus-free.
>
>
>
> Please take a few minutes to share your comments on the service you received from the department by clicking on this link. DEP Customer Survey<http://survey.dep.state.fl.us/?refemail=Mary.Beth.Curle@dep.state.fl.us>.
> <Roads Inc Permit 7775744-001-AC.pdf>