GAC Contractors, Inc.
Gulf Asphalt Corp Panama City
**Facility ID No.:** 0050008
Bay County

Air Operation Permit
**Permit No.:** 0050008-005-AO

Permitting and Compliance Authority
Department of Environmental Protection
Northwest District Office
160 W. Government Street, Suite 308
Pensacola, FL 32502-5740
Telephone: 850.595.8300
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Air Operation Permit
**Permit No.:** 0050008-005-AO

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# Florida Department of Environmental Protection

Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Herschel T. Vinyard Jr.
Secretary


**Permittee:**
GAC Contractors, Inc.
Gulf Asphalt Corp Panama City

**Permit No.:** 0050008-005-AO
**Facility ID No.:** 0050008
**SIC No(s).:** 29, 2951
**Project:** Air Operation Permit

This renewal permit is for the operation of the GAC Contractors, Inc. Gulf Asphalt Corp Panama City facility located at 4116 North Highway 231 in Panama City, Bay County; UTM Coordinates: Zone 16, 634.9 km East and 3343.7 km North; Latitude: 30° 13’ 30” North and Longitude: 85° 34’40” West.

STATEMENT OF BASIS: This air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4 and 62-210. 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 permitting authority, in accordance with the terms and conditions of this permit.

Effective Date: June 20, 2014
Renewal Application Due Date: April 21, 2019
Expiration Date: June 20, 2019

/S/

_____
J. Charles Harp
Program Administrator
Waste Management/Air Resources
Northwest District

JCH/aj/r

**Section I. Facility Information.**

This renewal operating permit follows Permit 0050008-003-AO, effective August 11, 2009, and incorporates the after-the-fact construction permit 0050008-004-AC for the addition of a lime silo emissions unit (EU 003) and the consolidation of EU 001 and EU 002.

This renewal permit also incorporates Emissions Unit (EU) 004 Portable Recycled Asphalt Pavement (RAP) Crusher, to allow the facility the operational flexibility to crush its own RAP on-site.

**Subsection A. Facility Description.**

The existing facility is a 189 ton per hour asphalt concrete batch plant. The plant has been in operation since 1964 and uses natural gas or No. 2 fuel oil with a maximum sulfur content of 1.0% by weight. Particulate emissions are controlled by an Estee baghouse (Model ST-12-468, EU 001). The asphalt heater uses natural gas or No. 2 fuel oil.

A belt conveyor transfers cold aggregate from four feeder bins to the cold end of the drum dryer. Heated aggregate is discharged from the dryer to a hot elevator which transports it to a screen shaker with four hot bins. The hot bins discharge into a weigh hopper, and then to the pugmill for mixing and transfer to trucks. RAP is transferred from a recycle bin to the hot elevator. Heated asphalt cement is injected at the pugmill. Particulate emissions from the dryer, hot elevator and shaker are ducted to the baghouse. The existing facility is not relocatable.

Particulate emissions from the lime silo will be controlled by a top-mounted baghouse manufactured by Griffin Environmental Company, Inc., (Model Optbelt – VB 4L – 290; 54 cloth bags, four inch diameter by six feet long).

A portable RAP crushing unit, with a current air general permit, may be operated at the facility periodically to provide RAP for the asphalt mix. The portable crusher is subject to New Source Performance Standards (NSPS), subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants if crushers and affected pieces of equipment (e.g., screens) commenced construction, modification or reconstruction after 8/31/1983.

This facility became regulated under NSPS--40 CFR 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) when it engaged in new construction after the applicability date by installing the lime silo. The facility is conditionally exempt from Title V permitting with an annual throughput limited to 500,000 tons of asphalt concrete per year. The fuel oil consumption for the asphalt concrete plant and portable RAP crusher is limited to 1.2 million gallons in any consecutive 12-month period and the sulfur content of the fuel oil shall not exceed 1.0 percent, by weight.

Based on the permit application received June 19, 2014, this facility is not a major source of hazardous air pollutants (HAP).

**Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).**

| E.U. ID No. | Brief Description |
|---|---|
| 001 | Asphalt Concrete Plant w/ Baghouse |
| 003 | Lime Silo w/ Baghouse |
| 004 | Portable RAP Crushing System |

***Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.***

**Subsection C. Relevant Documents.**

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are on file with permitting authority:
Permit Application (EPSAP No. 3823-1) received June 16, 2014

**Section II. Facility-wide Conditions.**

**The following conditions apply facility-wide:**

**1.** All listed Appendices are part of this permit.

**2.** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. Permittee shall not cause, suffer, allow, or permit the discharge of air pollutants that cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C., and Permit No. 0050008-004-AC]

**3.** General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units 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 discharged 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 the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. [Rules 62-296.320(4)(b)1. & 4., F.A.C., and Permit No. 0050008-004-AC]

**4.** General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. Permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. No emission control devices or systems are ordered at this time**.** [Rule 62-296.320(1), F.A.C., and Permit 0050008-003-AO]

**5**. 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 materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

a) Paving and maintenance of roads, parking areas and yards.
b) Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
c) Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility 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.; Permit No. 0050008-004-AC]

**6.** 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 standards contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests that 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. 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)(b) and 62-297.620(4), F.A.C.]

**7.** Asbestos. This permit does not authorize any demolition or renovation of the facility or its parts or components which involves asbestos removal. This permit does not constitute a waiver of any of the requirements of Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, National Emission Standard for Asbestos, adopted and incorporated by reference in Rule 62-204.800, F.A.C. Compliance with Chapter

62-257, F.A.C., and 40 CFR 61, Subpart M, Section 61.145, is required for any asbestos demolition or renovation at the source. [40 CFR 61; Rule 62-204.800, F.A.C.; and, Chapter 62-257, F.A.C.]

**8.** Sixty days prior to the expiration date of this operation permit, Permittee shall submit a permit renewal application using the current version of the renewal form along with the processing fee established in Rule 62-4.050(4), F.A.C., to the Northwest District Office of the Department. 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/rules/forms/application.htm. [Rule 62-4.090, F.A.C.]

**9.** Annual Operating Report. An Annual Operating Report for Air Pollutant Emitting Facility, DEP Form 62-210.900(5), shall be submitted for each year by April 1 of the following year. A copy of the form and instructions may be obtained from the Department's Northwest District office or electronically at http://www.dep.state.fl.us/air/rules/forms/aor.htm. 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. The EAOR software is available at http://www.dep.state.fl.us/air/emission/eaor/default.htm. [Rule 62-210.370(3)(c), F.A.C.]

**10.** Permittee shall submit all compliance related notifications and reports required of this permit to the Department's Northwest District Office:

Florida Department of Environmental Protection
Northwest District Waste Management/Air Resources Program
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740
Telephone: 850.595.8300; Fax: 850.595.8393

Notification of compliance testing and completed test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. A copy of all compliance related notifications shall be sent to the Northwest District Branch Office in: Panama City at 470 Harrison Ave, Panama City FL 32401.

**11.** The Department telephone number for reporting problems, malfunctions or exceedances under this permit is 850.595.8300, 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.]

**12.** Operations & Maintenance Plan (O&M). This plan outlines the procedures Permittee incorporates during the normal operation of this facility and provides necessary assurance that the facility will operate in compliance. Permittee shall follow all procedures outlined in the most recently submitted and approved plan (Appendix O&M).

*{Permitting Note: An Operation & Maintenance Plan should be a living document that provides procedures to help in maintaining the subject facility in compliance with applicable air regulations. Keeping this document up to date with facility's current activities will not require any permit action; however, modifications shall be submitted to the Department for approval. This does not alleviate the facility from the air construction permitting requirements for facility modifications, per Rule 62-210.300(1)(a), F.A.C.}*

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

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

| E.U. ID No. | Brief Description |
|---|---|
| 001 | Asphalt Concrete Plant |

This emissions unit consists of a baghouse (Estee Model ST-12-468) that provides emissions control for the 189-ton per hour batch asphalt plant (Madison, three-ton batch).

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

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

**A.1.** Capacity. The maximum allowable operating rate of the asphalt concrete plant is 189 tons of asphalt concrete mix produced per hour. [Rules 62-4.070(3), 62-210.200(PTE), F.A.C., and Permit 0050058-004-AC]

**A.2.** Production. The production rate of asphalt concrete (RAP and Non-RAP containing) shall not exceed 500,000 tons in any consecutive 12-month period. [Rules 62-4.070(3), 62-210.200(PTE), 62-210.300(3)(c)2.a, F.A.C., and Permit 0050058-004-AC]

**A.3.** Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year. [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

**A.4.** Fuel Types and Usage. Total fuel oil consumption for the asphalt heater, dryer and portable RAP crusher engine shall not exceed the Title V exemption limit of 1.2 MM gallons in any consecutive 12-month period. The facility may operate using natural gas or No. 2 fuel oil with a maximum fuel oil sulfur content of 1.0 percent by weight or less. [Rules 62-210.300(3)(c)2.b and c, F.A.C., Permit Nos. 0050058-002-AO and 0050058-004-AC]

**Emission Limitations and Standards**

**A.5.** Particulate Matter. Particulate 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)13., 62-210.300(3)(c)2.d, F.A.C.; 40CFR 60.92 (subpart I); and Permit No. 0050058-004-AC]

**A.6.** Visible Emissions. Visible emissions, associated with the asphalt concrete plant, shall be less than 20% opacity.
[Rules 62-204.800(8)(b)13 and 62-210.300(3)(c)2.f., F.A.C., and Permit No. 0050058-004-AC]

**Test Methods and Procedures**

**A.7.** Particulate Matter. The test method for particulate matter shall be EPA Method 5 or 5A, incorporated and adopted by reference in Chapter 62-297, F.A.C. [Rules 62-210.300(3)(c)2.i and 62-297.401, F.A.C.]
**A.8.** Visible Emissions. The test method for visible emissions shall be EPA Method 9 (30 minutes), incorporated and adopted by reference in Chapter 62-297, F.A.C. [Rules 62-210.300(3)(c)2.i and 62-297.401, F.A.C.]

**A.9.a.** Visible Emissions and particulate matter tests, associated with the asphalt concrete plant, are required to show compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. The tests shall be conducted once during each federal fiscal year (October 1 through September 30). The Permittee shall notify the Department at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing. Notification of compliance testing and completed test reports may be submitted by electronic mail to nwdair@dep.state.fl.us. [Rules 62-4.070(1), 62-210.300(3)(c)2.i, 62-297.401(5) and (9), F.A.C., and Permit No. 0050058-004-AC]

**A.9.b.** The test reports, associated with the asphalt concrete plant, shall comply with applicable portions of Rule 62-297.310(8), F.A.C., Test Reports. The Department can require special compliance tests in accordance with Rule 62-297.310(7)(b), F.A.C. Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing. [Rules 62-297.310(7)(b) and 62-297.620(1), F.A.C.]

**A.9.c.** Operating Rate During Testing. Testing of emissions, associated with the asphalt concrete plant, shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90-100% of the maximum operation rate allowed by the permit. 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% 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 days for purposes of additional compliance testing to regain the authority to operate at the permitted capacity, with prior notification to the Department. [Rules 62-297.310(2) and 62-4.070(1), F.A.C.]

**A.10.** 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)(a) and (b), F.A.C.]

**A.11.** Required Stack Sampling Facilities for the Asphalt Concrete Plant. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29CFR Part 1910, subparts D and E (See Appendix SS-1). [Rule 62-297.310(6), F.A.C.]

## Monitoring, Recordkeeping and Reporting Requirements

**A.12.** The operation of the Estee baghouse (Model ST-12-468) shall be properly adjusted to maintain a 4 to 6 inch WG pressure differential across the bags at all times (normal operation is 4.75 inches WG). The pressure differential shall be checked twice per day. If the differential is below 4 inches WG or above 6 inches WG, corrective actions shall be taken as outlined in the latest approved operations and maintenance plan. The pressure readings shall be recorded in a logbook and made available for inspection by the Department for a period of at least two years.
[Rule 62-4.070(3), F.A.C.; Appendix O&M and Permit No. 0050008-004-AC]

**A.13.** The owner or operator shall maintain records to document the monthly and the 12-month rolling totals of tons of asphalt concrete produced, and the gallons of fuel oil consumed (by the asphalt concrete plant dryer, heater and portable RAP crusher engine, if applicable). Such records shall be retained for five years. [Rules 62-4.070(1), 62-210.300(3)(c)2.g., F.A.C., and Permit No. 0050058-004-AC]

**A.14.** The owner shall maintain records to demonstrate that each shipment of fuel oil has 1.0 percent 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), F.A.C., or updated versions of the referenced ASTM methods approved by the Department. [Rules 62-210.300(3)(c)2.b and c, F.A.C., Permit Nos. 0050058-002-AO and 0050058-004-AC]

**A.15.** 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 concrete 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. [Rules 62-210.300(3)(c) and 62-210.300(3)(c)2.j., F.A.C.]

**NSPS Requirements**

**A.16.** 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.
[Rules 62-204.800(8)(d) and 62-204.800(8)(b)13, F.A.C.]

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

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

| **E.U. ID No.** | **Brief Description** |
|---|---|
| 003 | Lime Silo with Baghouse |

Particulate emissions from the lime silo will be controlled by a top-mounted baghouse manufactured by Griffin Environmental Company, Inc., (Model Optbelt – VB 4L – 290; 54 cloth bags, four inch diameter by six feet long).

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

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

**B.1.** Capacity. For compliance testing, the maximum allowable operating rate is 50 tons of lime loaded per hour. [Rules 62-210.200(PTE), 62-4.160(2), F.A.C., and Permit No. 0050008-004-AC]

**B.2.** Production. The total production rate of asphalt concrete (RAP or Non-RAP containing) containing lime shall not exceed 1750 tons per consecutive 12-month period. [Rules62-4.050(4)(a) 2.e., 62-210.200(PTE) and 62-4.160(2), F.A.C.; and Permit 0050058-004-AC]

**B.3.** Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year. [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

**Emission Limitations and Standards**

**B.4.** Visible Emissions. Visible emissions, associated with the lime silo, shall not exceed 20% opacity. [Rules 62-204.800(8)(b)12 and 62-210.300(3)(c)2.f., F.A.C.; 40CFR 60.92(a)(2); Permit No. 0050008-004-AC]

**B.5.** This emission unit has not performed an initial test as of the effective date of this permit. Prior to placing the emissions unit in operation, the permittee shall:

a. Advise the Department within seven days of startup.
b. Conduct a one-time initial test for visible emissions within 30 days after achieving permitted capacity.

[Rules 62-4.070(1), 62-210.300(3)(c)2.i, 62-297.401(5) and (9), F.A.C.]

**Test Methods and Procedures**

**B.6.** Visible Emissions. The test method for visible emissions shall be EPA Method 9 (30 minutes), incorporated and adopted by reference in Chapter 62-297, F.A.C. [Rules 62-210.300(3)(c)2.i and 62-297.401, F.A.C.]

**Monitoring, Recordkeeping and Reporting Requirements**

**B.7.** Permittee shall determine appropriate monitoring and maintenance requirements for the lime silo and baghouse and make these a part of the facility revised Operation and Maintenance plan (OMP). The revised OMP shall address proper operation of the baghouse, an appropriate pressure differential range across the bags during normal operation, monitoring frequency, recording of pressure readings, appropriate corrective actions to be taken in the event of a malfunction. The pressure readings shall be

recorded in a logbook and made available for inspection by the Department for a period of at least two years. The revised OMP shall be submitted within 60 days of startup or testing of lime silo. [Rule 62-4.070, F.A.C., and Permit 0050008-004-AC]

**B.8.** Operational Data: Permittee shall check and record the baghouse pressure differential during operation and record readings in a logbook. The logbook shall be made available for inspection by the Department. [Rules 62-4.070(3) and 62-4.160(2), F.A.C.]

**B.9.** Recordkeeping of Lime-Containing Asphalt Proruct
The owner or operator shall maintain records to document the monthly and the 12-month rolling totals of tons of lime-containing asphalt concrete produced. Such records shall be retained for five years. [Permit 0050008-004-AC and Rule 62-210.300(3)(c)2.g., F.A.C.]

**NSPS Requirements**

**B.10.** 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 C. This section addresses the following emissions unit.**

| **E.U. ID No.** | **Brief Description** |
|---|---|
| 004 | Portable RAP Crushing System |

The portable RAP crusher will be brought on site as needed by a third party and will operate under its current air general permit issued by the Department. The portable crusher is subject to New Source Performance Standards (NSPS), subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants if crushers and affected pieces of equipment (e.g., screens) commenced construction, modification or reconstruction after 8/31/1983.

The engine is a non-road engine as defined in 40 CFR §1068.30 and 40 CFR 63subpart ZZZZ (RICE). 40 CFR 60 subpart IIII applies to stationary compression ignition internal combustion engines that are not non-road engines.

According to Rule 62-210.310(5)(e)5, F.A.C., no nonmetallic mineral processing plant using an air general permit shall perform a task routinely done at the individually permitted facility, such as crushing RAP at an asphalt plant, unless operation of the nonmetallic mineral processing plant is authorized by the air construction permit or non-Title V air operation permit, as applicable, for the permitted facility.

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

**Operating Authorization**

**C.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.]

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

**C.2.** Capacity. The maximum permitted operating rate for the RAP crushing system is 100,000 tons per consecutive 12 months. [Rule 62-210.200(PTE), F.A.C.]
*{Permit Note: Based on 20% RAP per conversation with Mr. Andrew Rowell on May 15, 2014}*

**C.3.** Fuel Types and Usage. The combined fuel oil consumption for the asphalt concrete plant, asphalt heater and the portable RAP crusher engine shall not exceed the facility Title V exemption limit of 1.2 MM gallons in any consecutive 12-month period. [Rule 62-210.300(3)(c)2.b, F.A.C.]

**C.4.** Florida Air Permit Requirement. Authorization for Crusher Operations. The operation of any currently Air General (AG) permitted crusher unit is allowed as long as the following criteria are complied with:

a. Collocation Requirements. Collocation of the crusher and pipe and precast facility does not create a Title V source;
b. Requirements. The crusher meets the requirements of this permit and its AG permit.
c. Notification. The portable crusher 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(c)(5)3.f, F.A.C.

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

**Emissions Standards**

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

| Brief Description | Maximum Percent Opacity | |
|---|---|---|
| Portable Crusher | 15% [1] | 12% [2] |
| All conveyor Belt Transfer Points | 10% [1] | 07% [2] |
| All Screens | 10% [1] | 07% [2] |

[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]

Visible emissions from the transfer of material into the hopper and onto the coarse and fine storage piles, all other Non-NSPS points, and the crusher diesel engine are covered under the facility-wide general visible emission limitation of 20% and do not require visible emissions testing. [Rule 62-296.320(4)(b)1., F.A.C.]

**C.6.** 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)(b)68., F.A.C.]

**C.7.** Subpart A – General Provisions. The owner or operator shall comply with the applicable requirements of 40 CFR 60 subpart A – General Provisions. [40 CFR 60.1 (a) and Rules 62-204.800(8)(b)68., and 62-204.800(8)(d), F.A.C. and 40 CFR 60.11(c)]

**Testing Requirements**

**C.8.** Visible Emissions Test Requirements. 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. and 62-204.800(8)(b)68., F.A.C.]

**C.9.** Off-Site Test Requirements. 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. and 62-204.800(8)(b)68., F.A.C.]

**C.10.** On-Site Test Requirements. 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) the crushing system is on site. [Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C. and 62-204.800(8)(b)68., F.A.C.]

**C.11.** Visible Emissions Testing Requirements. 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.; 40 CFR 60.675 (c) and (e)(2)]

**C.12.** Test Method(s). 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(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

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

## Monitoring Requirements

**C.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

**C.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

**C.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. 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.]

**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.]

**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. Throughput in tons: per day*, per month and per rolling 12-month total;

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

**C.18.** Monitoring Records. 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)]

**C.19.** 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 a sulfur content of 1.0 percent or less, by weight, 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.]

## Additional NSPS and NESHAP Requirements

**C.20.** 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.]

**C.21.** 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.]

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, Florida Statutes. 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 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 Permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by Permittee to achieve compliance with the conditions of this permit, are 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. 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 for the purpose of:

a. Have access to and copy any records that must be kept under conditions of this 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, Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, 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 exact 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. Permittee shall be responsible for any and all damages that 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, 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 proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, 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 62-4.120 and 62-730.300, as applicable. Permittee shall be liable for any noncompliance of the permitted activity until the Department approves the transfer.

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

13. Permittee shall comply with the following:

a. Upon request, 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. 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 measurement;
- 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;
- the results of such analyses.

14. When requested by the Department, Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If 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.