Department of
Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Jeb Bush
Governor

Colleen Castille
Secretary

PERMITTEE:

Florida Rock Industries, Inc.
4000 NW CR 235
Newberry, FL 32669

I.D. Number:	0010087
Permit/Cert Number:	0010087-017-AC
Date of Issue:	August 29, 2005
Expiration Date:	August 29, 2006
County:	Alachua
Latitude/Longitude:	29°41' 26.6"N;82°34'56.6"W
UTM:	E-(17)346.9; N-3285.6
	Project: Crusher, Mobile crusher, conveyors.

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-204, 62-296, 62-297 and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Project No. 017- To modify EU001 Raw Material Handling and Storage operation: adding a new crusher "Above water rock crusher", the existing crusher will be identified by the name "Below water- rock crusher", add a mobile crusher to reduce the size of oversized rocks for the primary crushers and to divide the existing conveyor system, C09 into two C09 & C10.

FACILITY DESCRIPTION

Emission Units and Points subject to Project No. 017 are identified as follows:

E.U. ID No. 001 Raw Material Handling and Storage (controlled by the application of water sprays, as needed.)

EP03 (Below water-rock Crusher)
EP04 (Above water-rock Crusher)
EP05 (Mobile Crusher)
C09 & C10 Conveyor systems

REGULATORY CLASSIFICATION

This emissions unit is regulated under NSPS - 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants adopted and incorporated by reference in Chapter 62-204, F.A.C.; NSPS- 40 CFR 60 Subpart A – General Provisions, Appendix A and Appendix B.

POLLUTANTS

PM/PM_{10}.

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OPERATING LOCATION

The facility is operating at 4000 NW CR 235, Newberry, Alachua County, Florida.

RELEVANT DOCUMENTS

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

Title V Permit No. 0010087-009-AV, issued January 11, 2002
Application For Air Construction Permit – Title V Source received May 6, 2005
Request For Additional Information Dated June 3, 2005.
Additional Information Received June 9, 2005.

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GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the 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 not 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 no 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 permitted to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

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

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

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

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

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

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

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

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

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

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

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

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 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:

( ) Determination of Best Available Control Technology (BACT)
( ) Determination of Prevention of Significant Deterioration (PSD)
(X) Compliance with New Source Performance Standards (NSPS)
( ) National Emission Standards for Hazardous Air Pollutants (NESHAPS)

GENERAL CONDITIONS:

14. The permittee shall comply with the following:

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

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

c. Records of monitoring information shall include:

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

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

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SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. **Hours of Operation (EP03, EP04, C09 & C10)**: The hours of operation are not limited (8,760 hours per year).
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., Air Construction Application received on May 6, 2005.]

2. **Hours of Operation (EP05 Mobile Crusher)**: The hours of operation **are limited** to 480 hours per year and shall be recorded (8 hours per day x 60 days per year).
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C., Request maximum capacity by Applicant in the Air Construction Application received on May 6, 2005].

3. **Permitted Capacity**: The maximum operating rates are listed below and shall not be exceeded without prior Department approval.

MATERIAL	EMISSION UNIT/ POINT	RATE
Raw Materials	EP03 & EP04	1330 TPH and 4,467,600 TPY **NOTE (1)**
Conveyor Systems	C09 & C10	1330 TPH
Mobile Crusher	EP05	72,000 TPY **NOTE (2)**

NOTE (1) Annual rate based on the average processing rate of 510 TPH x 8,760 hrs per year. Requested maximum capacity by Applicant in the Air Construction Application received on May 6, 2005).
NOTE (2) Annual rate based on 480 hours per year x 150 TPH processing rate. Requested maximum capacity by Applicant in the Air Construction Application received on May 6, 2005).

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

4. **Permitted Maximum Allowable Emission Rate**: The permitted maximum allowable emission rate for each pollutant is as follows:

POLLUTANT	LOCATION	EMISSION RATE LBS/HR TPY	RULE
VE	Emission Point 03, 04 & EP05	15% Opacity	40 CFR 60.672(c)
	C09 & C10	10% Opacity	40 CFR 60.672(b)

5. **Operation During Compliance Test**: Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity as defined below. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2)(b), F.A.C.]

6. **Unconfined Particulate Matter Emissions:** Reasonable precautions may include, but shall not be limited to the following:
   1. All materials will be received and used with excess surface moisture.
   2. If visual inspections of materials indicate a lack of surface moisture, the materials will be wetted with sprinklers to prevent generation of unconfined particulate matter.

[Rule 62-296.320(4)(c)3, F.A.C., Unconfined Emissions of Particulate Matter]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

7. Test the emissions for the following pollutant(s): Within 60 days after achieving the maximum production rate, but no later than 180 days after initial startup, notify the Department 15 days prior to testing [FAC Rules 297.310(7)(a)1 and 297.310(7)(a)9], and submit the test report documentation to the Department with the operation permit application within 45 days after completion of the testing [FAC Rule 297-310(8)(b)].

EP(S)	POLLUTANT	TEST METHOD	TEST INTERVAL	RULE
03, 04, 05 C09 & C10	V.E. Fugitive Emissions **NOTE (1)**	EPA Method 9	Annually	40 CFR 60.675(c)(1)

NOTE (1) Shall use the procedures in 40 CFR 60.11 with the following additions:

(1) The minimum distance between the observer and the emission unit shall be 4.57 meters (15 feet).

(2) The observer shall, when possible, select a position that minimizes interference from other fugitive emissions units (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

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

(4) The permittee may use the following as alternatives to the reference methods and procedures specified in this section:

(a) For the method and procedure of 40 CFR 60.675(c), if emissions from two or more emissions units continuously interfere so that the opacity of fugitive emissions from an individual affected emissions unit cannot be read, either of the following procedures may be used:

(b) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected emissions units contributing to the emissions stream.

(c) Separate the emissions so that the opacity of emissions from each affected emissions unit can be read.

[40 CFR 60.675(c)(1)]

REPORTING AND RECORDKEEPING REQUIREMENTS

8. **Test Reports:** In each test report, submit the maximum input/production rate at which this source was operated since the most recent test.

9. **Notification 40 CFR 60, Subpart OOO § 60.676 (G).** The owner or operator of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to §60.672(h) and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in §60.672(b) and the emission test requirements of §60.11 and this subpart. Likewise a screening operation, bucket elevator, or belt conveyor that process unsaturated material but subsequently processes saturated materials shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in §60.672(h).
[40 CFR 60.676 (g).]

10. **Recordkeeping (EP03, EP04, EP05, C09 & C10):** The owner or operator shall maintain records to document the monthly and the twelve-month rolling totals of tons of rock crushed, conveyed and the hours of operation for each emissions point. These records shall be retained for five years.
[Rule 62-4.070(3), F.A.C.]

ADMINISTRATIVE

11. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.

12. **Modifications:** No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification.

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

13. **New or Additional Conditions:** For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080(1), F.A.C.]

14. **Circumvention:** No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]

15. **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 to those rules is being violated, it shall require the owner or operator of the emission unit to conduct compliance tests which identify the nature and the quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
[Rule 62-297.310(7)(b), F.A.C.]

16. **Plant Operation – Problems:** If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules.
[Rule 62-4.130, F.A.C.]

17. **Excess Emissions:** Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.
[Rule 62-210.700(1) and (4), F.A.C.]

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

18. **Malfunctions:** In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate Local Program 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.]

19. Issuance of a permit does not relieve the owner or operator of an emissions unit from complying with any applicable requirement, any emission limiting standards or other requirements of the air pollution rules of the Department or any other such requirements under federal, state or local law.
[Rule 62-210.300, F.A.C.]

20. A completed **Application for Air Permit Title V–Long Form** (DEP Form No. 62-210.900(1), F.A.C.), shall be submitted to the Department at least 60 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit. [Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

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