

Permittee:
Hanson Slag Cement, Inc.
575 Cargo Road
Cape Canaveral, FL 32920

Attention: Angus Jappy,
Vice President

Facility Number: 0090209
Permit Number: 0090209-007-AF
Expiration Date: January 30, 2011
County: Brevard
Latitude/Longitude:
28° 24' 53"N/80° 36' 58"W
Project: Slag Grinding Facility

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 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 department and made a part hereof and specifically described as follows:

The permittee may operate a granulated slag grinding facility equipped with flash dryer and grinding ball mill. Moist granulated slag will be shipped and stored on-site and then sent through a flash dryer and ball mill, where it will be dried and ground, and then stored in silos for shipment offsite. Highly efficient dust collectors fitted with filter cloth will control particulate emissions.

This permit supercedes permit 0090209-006-AO and 0090209-001-AC.

This facility is classified as a **synthetic minor** and is located at 575 Cargo Road, Cape Canaveral (Port Canaveral), Brevard County, Florida.

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 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (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 403.087(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 does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup and 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 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, 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.

GENERAL CONDITIONS:

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 Section 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.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and Rule 62-30.300, Florida Administrative Code (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)
 - () Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
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 information) 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:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. 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.

SPECIFIC CONDITIONS:

OPERATING CONDITIONS

1. Each emission unit is permitted to operate continuously.
[Rule 62-210.200, (PTE), F.A.C.]
2. The permitted facility maximum production rate is 946,080 tons (dry) of material per any consecutive twelve-month period.
[Rule 62-210.200(203) (PTE), F.A.C.]
3. All reasonable precautions shall be taken to prevent emissions of unconfined particulate matter. Reasonable precautions shall include, but not to be limited to, the following [Rule 62-296.320(4)(c), F.A.C.]:
 - a) Application of water when necessary to control emissions.
 - b) Removal of particulate matter from roads and other paved areas under control of the owner or operator to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
 - c) Enclosure or covering of conveyor systems
 - d) Use of a spray or chute to mitigate emissions at the drop point.
4. No person shall circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]

EMISSION LIMITS

5. The ball mill/separator and flash dryer are subject to Rule 62-296.320(4)(a)2. F.A.C. For process weight rates up to 30 tons per hour, P_1 , and for process weights greater than 30 tons per hour, P_2 , the respective allowable emission rates, E_1 and E_2 in pounds per hour are given below:

$$E_1 = 3.59 (P_1^{0.62})$$

$$E_2 = 17.31 (P_2^{0.16})$$

The maximum process rate of 108 tons/hour results in an allowable emission rate of 36.61 lbs./hour or 160.4 tons per year. However, because of the baghouse the potential emissions from the ball mill/separator are 9.25 lbs./hour and 40.51 tons/year. Potential emissions from the flash dryer are 3.78 pounds per hour and 16.56 tons per year.

Pursuant to Rule 62-297.620(4), F.A.C., the EPA Method 5 test for particulate matter emissions from the granulated slag grinding facility is waived, and an alternate limit of 5 percent opacity is substituted to provide reasonable assurance that the source is properly maintained to meet the emissions limit established in Rule 62-296.310(1)(b), F.A.C. The 5 percent opacity limit now becomes the compliance limit for the duration of this permit. If, at any time in the duration of this permit, the Department has reason to believe that the particulate emissions limit is not being met, it shall require that compliance be demonstrated by the EPA Method 5 for particulate emissions.

SPECIFIC CONDITIONS:

6. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. An objectionable odor is defined as 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(181), F.A.C.]

COMPLIANCE

7. Each emission unit must be tested for visible emissions in accordance with DEP Method 9 [Rule 297.401, F.A.C.] at least 90 days prior to permit expiration date. The DEP Method 9 test shall last thirty minutes or the length of the batch/cycle.
8. At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the air compliance section of this office. 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.
[Rule 62-297.310(7)(a)9., F.A.C.]
9. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity. The maximum operation rate for the flash dryer and grinding ball mill is 108 tons (dry) per hour of material. Permitted capacity is defined as 90 to 100 percent 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 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.
[Rule 62-297.310(2), F.A.C.]
10. Reports of the required compliance tests shall be filed with the air compliance section of this office as soon as practical but no later than 45 days after the last test is completed.
[Rule 62-297.310(8)(b), F.A.C.]
11. The owner or operator shall complete DEP Form No. 62-210.900(5), F.A.C. "Annual Operating Report for Air Pollutant Emitting Facility", including the Emissions Report, for each calendar year and submit to the air compliance section of this office on or before March 1 of the following year.
[Rule 62-210.370(3), F.A.C.]
12. In order to demonstrate compliance with condition number 2 and 5, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log at a minimum shall contain the following:

Monthly

- a) designation of month and year of operation for which records are being tabulated
 - b) consecutive 12 month total of facility production rate (dry)
 - c) average monthly short-term production rate measured in tons/hr. (dry)
- [Rules 62-4.070(3), and 62-213.440(1)(b)2., F.A.C.]

SPECIFIC CONDITIONS:

Note: A consecutive 12 month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12-month period. A 12-month total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12 month totals using whatever number of months of data are available until such a time as a consecutive 12 month total can be maintained each month.

PERMIT APPLICATION

13. At least sixty days prior to the expiration date of this operation permit, the permittee shall submit to this office four copies of the air permit application along with the processing fee established in 62-4.050(4), F.A.C. Pursuant to Rule 62-210.200(112), F.A.C., the application must include all emission units at the **“facility”** which are under the control of the same person or persons under common control.
[Rule 62-4.090, F.A.C.]

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

James N. Bradner, P.E.
Program Administrator
Air Resources Management

Issued: _____