



Department of Environmental Protection

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Minor

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

EWED
Wanda B. Wetherell
Secretary
AUG 04 1997

PERMITTEE:

Specialty Minerals Inc.
Pensacola PCC Plant

AIRS I.D. Number: 0330248
Air Permit Number: 0330248-001-AC
Emission Units: 001, 002
Date of Issue: JUNE 30, 1997
Expiration Date: JUNE 30, 2002
County: Escambia
Project: Precipitated Calcium Carbonate Facility

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-4, 62-210, 62-296 and 62-297. The above named applicant, hereinafter called 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:

Construction in two phases of a Precipitated Calcium Carbonate Facility: Dry lime is combined with water and carbon dioxide to produce precipitated calcium carbonate which is used as filler material in paper manufacturing. Two carbonators will be built initially with a third to be added when economics dictate feasibility.

Dry lime is received by rail car or tanker truck and transferred to storage silos. Particulate emissions from lime receiving and the storage silos are controlled by fabric filters. Process lime conveyed by screw conveyor to the lime slaker to be mixed with water. The slaked lime slurry is pumped to carbonators. A portion of the stack gas from the Champion lime kiln is routed to PCC process gas scrubbers for cleaning and the cleaned stack gas, high in carbon dioxide, is routed to the carbonators for reaction with the slaked lime to produce precipitated calcium carbonate. Carbonator exhaust stacks are equipped with mist eliminators to control liquid particulate emissions.

Potential particulate emissions from the lime handling system are calculated to be 5.7 T/yr. Potential particulate emissions from the carbonator stacks are calculated to be 8.57 T/yr. As this facility utilizes a portion of the stack gas from the Champion lime kiln, it is not the intent of this permit to penalize this facility or Champion for emissions which would normally be expected to originate from the lime kiln stack by double-accounting the emissions.

Located: 375 Muscogee Road, Cantonment, leased site within Champion Paper property

0330248-001-AC

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"Protect, Conserve and Manage Florida's Environment and Natural Resources"

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SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]
2. Satisfactory ladders, platforms and other safety devices as well as necessary parts shall be provided/made available to facilitate an adequate inspection program. [FAC Rule 62-297.310(6)]

Construction

3. The Department shall be notified upon commencement of construction. 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. [FAC Rule 62-4.030]

Operation

4. The Precipitated Calcium Carbonate Facility, and the first two carbonators, may operate continuously, i.e., 8760 hrs/yr, based on 24 hours/day, 7 days/week and 52 weeks per year, while only two carbonators are installed. To avoid triggering the 100 T/yr major source threshold for NOx emissions, upon installation of the third carbonator, the cumulative hours of stack gas injection for all three carbonators shall not exceed 25,200 hours per year. This is assured by proprietary process description in confidential file. [FAC Rule 62-4.070, permittee request, revised construction permit application received May 27, 1997]

Emissions

5. All fugitive dust generated at this site shall be adequately controlled by good housekeeping practices such as periodic sweeping and/or vacuuming of work areas, application of dust suppressing substances, and protecting dust transfer points and containers from wind. [FAC Rule 62-296.320(4)]

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SPECIFIC CONDITIONS:

6. No objectionable odors shall be allowed off plant property. If the Department determines the facility is emitting objectionable odors, the Permittee shall submit an odor remediation plan within 45 days of receipt of written notification from the Department. The plan shall include, but not be limited to, dispersion modeling analysis, strategies to reduce odorous chemicals utilization, and modifications of manufacturing production cycles, manufacturing methods and/or plant exhaust systems. [FAC Rule 62-296.320(2)]

7. General plant-wide visible emissions shall not be equal to, or greater than, 20% opacity. [FAC Rule 62-296.320(4)] Visible emissions from the fabric filter exhausts at LR1 (Lime Receiver), LS1 (Lime Silo No. 1) and LS2 (Lime Silo No. 2) shall not be greater than 5% opacity. This self-imposed limit is in exchange of waiver of particulate testing. Visible emissions from the Carbonator stacks shall not be greater than 5% opacity. This self-imposed limit is in exchange of waiver of particulate testing. [Permittee request, construction permit application, FAC Rule 62-297.310(7)(c)]

Testing

8. Visible Emissions tests 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. [FAC Rule 62-4.070] Tests shall be conducted in accordance with DEP method 9 for one half hour on the emissions segment judged to have the highest visible emissions of each of the emissions units. Such tests shall be scheduled within 30 days after construction of each phase is completed. The Department shall be notified at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing.

Test reports shall comply with F.A.C. Rule 62-297.310, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 62-297.310(7). Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing.

Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity. Rated capacity for the lime transfer system is defined as 75 tons of lime loaded into a storage bin per hour. Rated capacity for each of the carbonators is defined as 6307 dry standard cubic feet per minute of stack gas flow. If it is impractical to test at capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department. [FAC Rule 62-297.310(2)]

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Administrative

9. The applicant shall retain a Professional Engineer, registered in the State of Florida, for the inspection of this project. Upon completion of the installation of the storage silos and the first two carbonators, the engineer shall inspect for conformity to the permit application and associated documents. 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 of completion of construction. The permittee shall obtain an operating permit for this source within 90 days of completion of construction of the first two carbonators if the permittee desires to continue operation. [FAC Rule 62-210(300)]

10. The emission units covered by this permit are:

- 001 Lime Handling System Baghouses:
 - Lime Receiver, Lime Silo 1, Lime Silo 2
 - Lime Handling System Fugitives
- 002 Carbonator Exhausts:
 - Carbonator 1, Carbonator 2, Carbonator 3

Please cite the appropriate number on all test reports and other correspondence specific to a permitted emission unit. [FAC Rule 62-297.310]

11. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (850) 444-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (850) 413-9911. For routine business, telephone (850) 444-8364 during normal working hours. [FAC Rule 62-210.700]

Expiration Date:

Issued this 30th day of JUN, 1997.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Ed K. Middleswartz

ED K. MIDDLESWART, P.E.

Air Program Administrator

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. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor 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 does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, 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. 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
 - a. Having access to and copying any records that must be kept under the conditions of this permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

GENERAL CONDITIONS:

c. Sampling or monitoring 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 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. 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 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. 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, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. 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.

GENERAL CONDITIONS:

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 measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. 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.