



Department of Environmental Protection

FILE COPY

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Virginia B. Wetherell
Secretary

JUN 26 1996

PERMITTEE:

Harborlite Corporation

AIRS I.D. Number: 0390030
Air Permit Number: 0390030002AO
Emission Units: 001, 003-008
Date of Issue: June 25, 1996
Expiration Date: June 25, 2001
County: Gadsden
Project: Perlite Processing System

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 17-296, 17-297 and 17-4. 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:

Operation of a perlite processing system which consists of a natural gas fired furnace rated at 16 MMBtu per hour which feeds a ductwork system driven by exhaust fans. Furnace vent emissions are controlled by a collector cyclone followed by a baghouse, manufactured by Micro Pulse Air, model 14458TR2055. A new ore silo, B3, vents with ore silos B1 and B2 into a baghouse, manufactured by Torrit, model TD-486-155-60. A rework bin allows off-spec product to be reworked and is located behind and adds product back to the hammermill, F. The rework bin vents to the finished product packers and external 45 cfm bulk packers whose particulate emissions are controlled by a baghouse manufactured by Griffin Environmental, model RCA6. Two product bins, M1 and M2, vent to individual baghouses. Product rail car vent and bulk truck vent particulate emissions are controlled by Dacron sock bin vents.

The horticulture perlite product requires installing piping and a drop bin. This product, with a larger particle size than the standard product, cannot be made simultaneously with the standard product and will result in no emissions increase. The horticulture perlite is chemically identical and can be produced at 2 tons per hour, less than the 3 tons per hour for the standard product. The furnace vent baghouse is modified by increasing the bag length from 8 to 10 feet and increasing the fan size from 800 cfm to 10000 cfm at 300°F.

Located at 612 Shelfer Street in Quincy Industrial Park, Quincy, Gadsden County.

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SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [F.A.C. Rule 62-4.160]

Operation

2. The maximum allowable operating rate is 3.0 tons of perlite ore loaded to the furnace per hour. This is the operating rate at which compliance with standards shall be demonstrated. [F.A.C. Rule 62-4.070]
3. This unit may be operated continuously, 8,760 hours per year. [F.A.C. Rule 62-4.070]

Emissions

4. Visible emissions shall not exceed 5% opacity for the ore silo bin vent, furnace vent, product silos A and B and the bag packer baghouse. This is in accordance with Florida Administrative Code Rule 62-297.620(4) which allows waiver of particulate compliance stack testing upon minor particulate sources equipped with a baghouse, and the specification of the alternate standard of 5% opacity.
5. Visible emissions shall not exceed 20% opacity for bulk truck vent and product rail car vent. [FAC Rule 62-296.320(4)(b)]
6. All fugitive dust generated at this site shall be adequately controlled. [FAC Rule 62-296.320(4)]

Testing

7. Visible emissions tests on the furnace vent, product silo vents A and B, ore silo bin vent, bulk truck vent, product rail car vent and bag packer baghouse (7 tests) are required to show compliance with the standards of the Department. The results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Emissions tests shall be conducted in accordance with DEP method 9. Such tests shall be conducted once per year within 60 days of the baseline date of March 31. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing. [FAC Rule 62-4.070]

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SPECIFIC CONDITIONS:

Administrative

- 8. At least sixty days prior to the expiration date of this permit, the permittee shall submit to the Department an air permit application in quadruplicate, DEP Form No. 62-210.900(2), along with any application fees as established in FAC Rule 62-4.050(4). [FAC Rule 62-4.090(1)]
- 9. The permanent source identification numbers for these point sources are:

- 10TLH200030001 Furnace Vent ✓
- 10TLH200030003 Product Silo A Vent ✓
- 10TLH200030004 Bulk Truck Vent ✓
- 10TLH200030005 Product Silo B Vent ✓
- 10TLH200030006 Product Rail Car Vent ✓
- 10TLH200030007 Bag Packer Baghouse ✓
- 10TLH200030008 Ore Silo Bin Vent ✓

Please cite the appropriate number on all test reports and other correspondence specific to a permitted point source. [FAC Rule 62-297.310(8)]

- 10. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8300, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, telephone (904) 488-3704 during normal working hours. [FAC Rule 62-210.700]

Expiration Date:

Issued this 25th day of June,
1996.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



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.