

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

APPLICANT:

Florida Mining & Materials Corp.  
P.O. Box 6  
Brooksville, Fla. 33512

PERMIT/CERTIFICATION  
NO. AO27-20213

COUNTY: Hernando

PROJECT: Kiln Baghouse  
E-55

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

For the operation of the rotary kiln preheater exhaust gases baghouse (E-55).

Located at U.S. Hwy 98, N.W. of Brooksville, Hernando County.

UTM: 17-356.2E 3103.7N

Replaces Permit NO: AC27-2255 NEDS NO: 0010 Point ID: 03

Expires: August 7, 1984

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed on notice that the department will review this permit periodically and may initiate court action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations indicated in the attached drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit shall constitute grounds for revocation and enforcement action by the department.

3. 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 notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance, including exact 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 revocation of this permit.
4. As provided in subsection 403.087(6), 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.
5. This permit is required to be posted in a conspicuous location at the work site or source during the entire period of construction or operation.
6. 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.111, F.S.
7. In the case of an operation permit, 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.
8. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant, or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, except where specifically authorized by an order from the department granting a variance or exception from department rules or state statutes.
9. This permit is not transferable. Upon sale or legal transfer of the property or facility covered by this permit, the permittee shall notify the department within thirty (30) days. The new owner must apply for a permit transfer within thirty (30) days. The permittee shall be liable for any non-compliance of the permitted source until the transferee applies for and receives a transfer of permit.
10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation 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.

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)

SPECIFIC CONDITIONS:

1. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information as per Chapter 17-4.14, F.A.C.
  - (A) Annual amount of materials and/or fuels utilized.
  - (B) Annual emissions (note calculation basis).
  - (C) Any changes in the information contained in the permit application.
2. Test for particulate emissions at intervals of 12 months from date of 9/9/78 and submit a copy of the test data to the District Engineer of this agency within fifteen days of such testing. (Chapter 12-2.08(1)F.A.C.
3. Tests for particulates shall be conducted in the following manner:
  - A. Four baghouse exits will be selected at random by State of Florida personnel in advance of testing. If the testing requires more than 72 hours, exits originally selected may be replaced by other exits.
  - B. Total gas flow rate to the baghouse will be accurately determined before and after each test run. Each test run will consist of one complete sample from one exit.
  - C. Each test run will consist of a 48 point test traverse (or less if a longer stack extension is used, Method 1 will be used to determine the number of test points).
  - D. Each test run will consist of two complete baghouse cycles of 56 minutes each for a total of 112 minutes of sampling time for each run. Sampling will be discontinued during the four minute cleaning cycle.

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Revised: August 27, 1979

- E. The particulate emissions in pounds per hour will be determined from each stack as well as the kiln feed in tons per hour during the test. The emissions in pounds per ton of kiln feed will be determined as follows:

$$E = \frac{(M)}{(P)} \frac{(V_1)}{(V_2)}$$

E = Particulate emissions, lb/ton kiln feed

M = Particulate emissions from the compartment tested, lb/hr.

P = Kiln feed, tons/hr (dry basis)

V<sub>1</sub> = Total gas flow rate determined at inlet, DSCFH

V<sub>2</sub> = Measured gas flow rate from sampled compartment, DSCFH

V<sub>1</sub>/V<sub>2</sub> = not to exceed 17.5

The emissions will be the average of the results (lb/ton kiln feed) from the four test runs

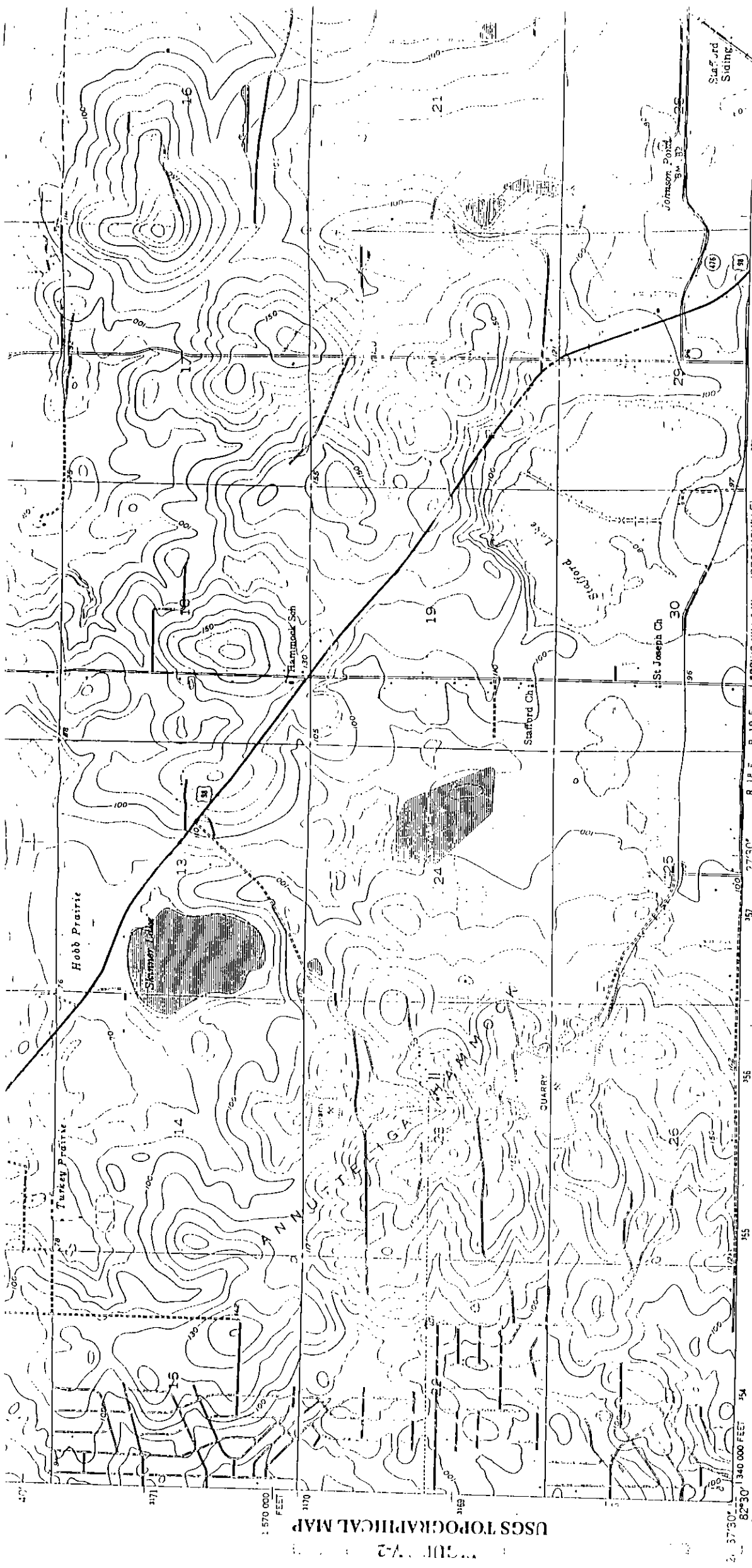
- F. All other conditions as per process and test Methods 1, 2, 3, and 5 remain in effect.
- G. If reasonable doubt of compliance exists after the tests are conducted using the alternate procedure, tests will be ordered incorporating the particulate emissions from all baghouse exits.
- H. Compliance must be met at all times.
4. Test each emission point for plume density (visible emissions) when stack tests are being conducted. No stack shall exceed 10% opacity.

Expiration Date: \_\_\_\_\_ Issued this 13th of August

August 7, 1984 19 79 Revised August 27, 1979

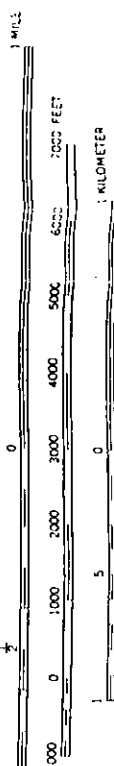
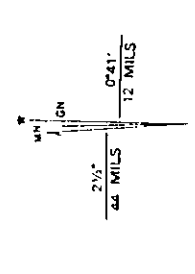
STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
P. David Puchaty  
District Manager



Maped, edited, and published by the Geological Survey  
Control by USGS and USC&GS

Topography from aerial photographs by Keish plotter  
Aerial photographs taken 1951. Field check 1954  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on Florida coordinate system,  
west zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue  
To place on the predicted North American Datum 1983,  
move the projection lines 27 meters south and  
.5 meters west as shown by dashed corner ticks  
There may be private inholdings within the boundaries of  
the National or State reservations shown on this map



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs  
other sources. This information not field checked