

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

September 15, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. F. W. Cheesman, President
Consolidated Minerals, Inc.
Post Office Box 790
Plant City, Florida 34289

Dear Mr. Cheesman:

Re: File No. AC 29-167251, KBF4 Plant

The Bureau has reviewed the changes to the application and proposed permit for the referenced plant requested by Mr. Robert Harrison, Environmental Supervisor. It is our conclusion that the source will comply with the regulations at the longer operating time requested.

Please substitute the attached sheets for those in the August 29, 1989, Technical Evaluation and Preliminary Determination and publish the revised Notice of Intent to Issue.

If you have any questions on this matter, please write to me or call Willard Hanks at (904)488-1344.

Sincerely,

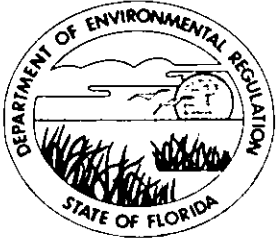
for *W. H. Thomas*

C. H. Fancy, P.E.
Bureau of Air Regulation

CHF/WH/t

enclosure

cc: B. Thomas, SW District
J. Campbell, EPCHC
A. Lenki, P.E.



Florida Department of Environmental Regulation

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PERMITTEE:
Consolidated Minerals, Inc.
P. O. Box 790
Plant City, FL 34289

Permit Number: 29-167251
Expiration Date: June 1, 1990
County: Hillsborough
Latitude/Longitude: 27°59'21
82°04'48"

Project: Potassium Fluoborate
Product Preparation Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. 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:

Construction of a 2,500 lbs/hr potassium fluoborate product preparation plant consisting of a wet product conveyor, 20 ton wet product bin, dryer feeder, vibrating fluid bed dryer, grinder, two spiral conveyors, 10 ton dry product bin, load-out section, Flex-Kleen Model 84-BVBS-36IIIIG dust collector, 1800 acfm fan, and a 9 inch diameter x 10 foot high stack. The plant will be located at CMI's feed supplement facility (SIC 2048) on Coronet Road, Plant City, Hillsborough County, Florida. The UTM coordinates of this plant are Zone 17, 393.8 km E and 3096.3 km N.

The source shall be in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application received June 30, 1989.
2. CMI letter dated July 18, 1989.
3. CMI letter dated September 1, 1989.

PERMITTEE:
Consolidated Minerals, Inc.

Permit Number: AC 29-167251
Expiration Date: June 1, 1990

GENERAL CONDITIONS:

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 measurements;
- the dates 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 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.

SPECIFIC CONDITIONS:

1. Production of the potassium fluoborate product preparation plant shall not exceed 2,500 lbs/hr.
2. Operation of this plant shall not exceed 24 hrs/day, 7 days/week, and 52 weeks/year but not more than 4,000 hours in any 12 month period. The permittee shall maintain a log to show compliance with the condition.
3. Only natural gas shall be used as fuel in this dryer. Heat input shall not exceed 0.4 MMBtu/hr (approximately 400 CFH natural gas).
5. Particulate matter emissions from this plant shall not exceed 0.03 grains/dscf and 0.46 lbs/hr (0.9 TPY).
6. Visible emissions from any part of this plant shall not exceed 5% opacity.
7. Compliance with the emission standards in Specific Conditions Nos. 5 and 6 shall be determined by EPA Methods Nos. 5 and 9 described in 40 CFR 60, Appendix A (July 1, 1988) while the plant is operating at its permitted capacity. The method 5 test will be waived if visible emissions are less than 5% opacity.
8. The Environmental Protection Commission of Hillsborough County shall be notified at least 15 days prior to any compliance test.

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue permits to Consolidated Minerals, Inc., P. O. Box 790, Plant City, Florida 34289, to construct a potassium fluoborate product preparation plant controlled by a dust collector and a rotary kiln/fluid bed reactor R & D (research and development) facility controlled by a packed crossflow wet scrubber. This equipment will be installed at their phosphate feed preparation plant located on Coronet Road, Plant City, Hillsborough County, Florida. Construction and operation of the proposed equipment will emit 1.2 TPY particulate matter and 0.7 TPY fluoride. The impact of these emissions on the ambient air quality will be insignificant. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

P 938 762 679

RECEIPT FOR CERTIFIED MAIL

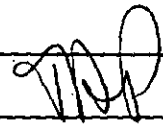
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, June 1985

Sent to Mr. F. W. Cheesman, Consolidated	
Street and No. P. O. Box 790 Minerals	
P.O., State and ZIP Code Plant City, FL 34289	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 9-15-89 Permit: AC 29-167251	

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional services requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. F. W. Cheesman, President Consolidated Minerals, Inc. P. O. Box 790 Plant City, FL 34289	4. Article Number P 938 762 679
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X 	
7. Date of Delivery 9-12-89	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT