

FILE COPY



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

February 11, 2009

Mr. Justin Edwards, C.F.E.
Putnam County Property Appraiser
Office Operations Supervisor
312 Oak Street
Palatka, Florida 32178-1920

Re: Edgar Minerals, Inc.
Pollution Control Devices

Dear Mr. Edwards:

In accordance with §193.621, Florida Statutes, if it becomes necessary for a manufacturing or industrial plant or installation "to install or construct a facility in order to eliminate or reduce industrial air or water pollution, those facilities shall be deemed to have value for purposes of assessment for ad valorem property taxes no greater than its market value as salvage".

I have reviewed the material attached to your letter of December 8, 2008 and additional information emailed to me on December 15 and December 17, 2008 regarding air pollution and wastewater control devices at Edgar Minerals, Inc. In my opinion, the items listed as Dust Collectors, Dust Control, Wastewater Compliance, and Power Sweeper (Old FAS #s 050089, 050387, 050487, 050422, and 050537) are "primarily for the purpose of pollution control" and are eligible for assessment as pollution control devices pursuant to §193.621, Florida Statutes.

If there are any questions on this determination, please contact me at (850) 245-2002.

Sincerely,

A handwritten signature in blue ink that reads "Michael P. Halpin, P.E.".

Michael P. Halpin, P.E.
Administrator, Siting Office

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Justin Edwards, C. F. E.
Putnam County Property Appraiser
Office Operations Supervisor
312 Oak Street
Palatka, Florida 32178-1920

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Signature]*

☐ Agent☐ Addressee

B. Received by (Printed Name)

Patsy DAVIS

C. Date of Delivery

10-28-09

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

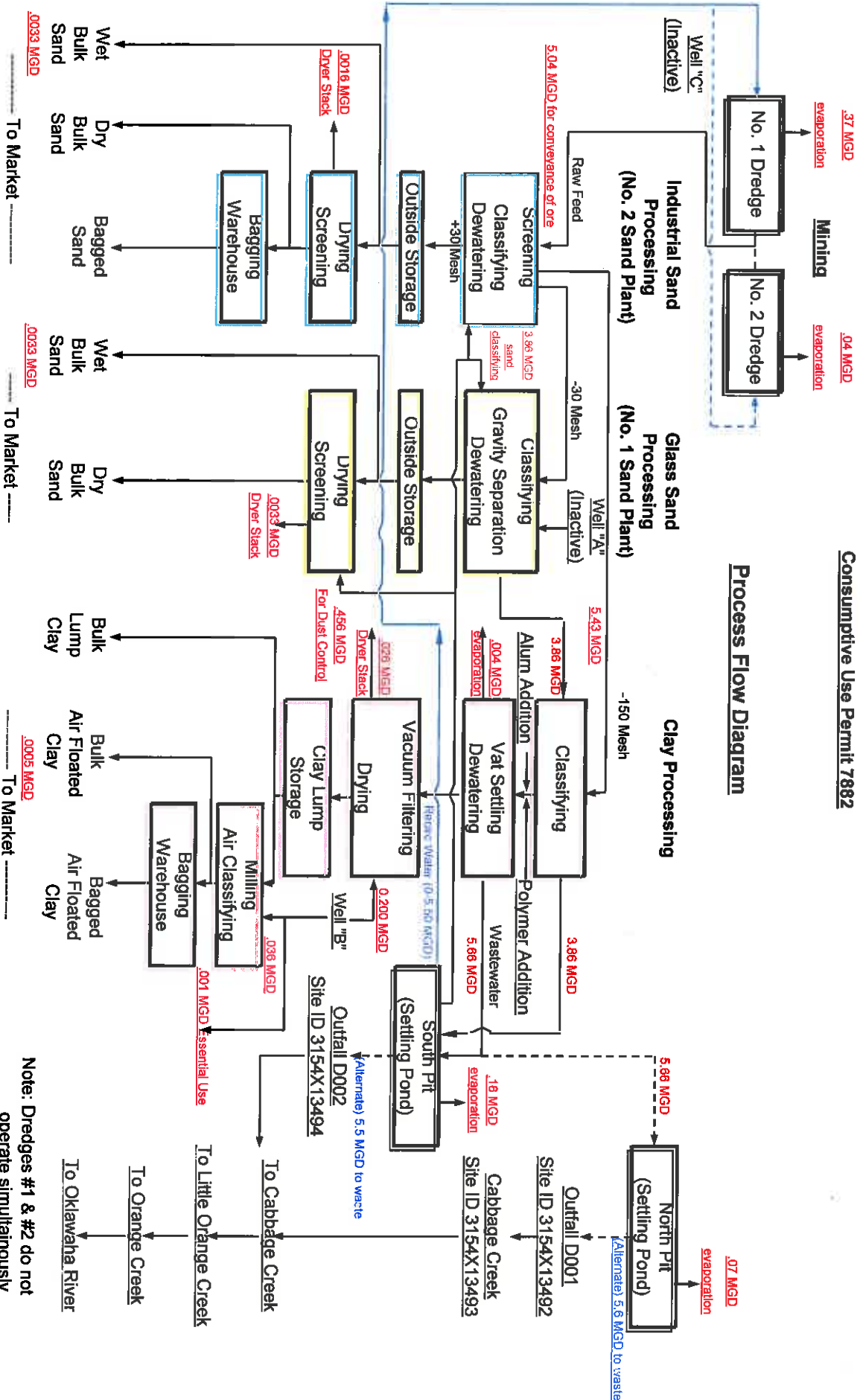
2. A

7003 0500 0004 0142 8992

Edgar Minerals

Consumptive Use Permit 7882

Process Flow Diagram



Note: Dredges #1 & #2 do not operate simultaneously

Water Flow Schematic



Attachment 5B



Edgar Minerals

(352) 481-2421 Office
(352) 481-2334 Fax

December 10, 2008

To whom it may concern:

The pollution control assets listed below were installed and are operated by Edgar Minerals, Inc. for the sole purpose of meeting Florida Department of Environmental Protection, The United States Environmental Protection Agency and/or The Mine Safety and Health Administration standards regulating pollution control.

<u>New FAS #</u>	<u>Description</u>	<u>Old FAS #</u>	<u>Location</u>
000388	Installed Dust Collector	050089	#2 Sand Plant Cyclone
000686	Improved Dust Control	050387	Raymond Mill Baghouse
000785	#1 Sand Dryer Dust Collector	050487	#1 Sand Dryer Cyclone
	Wastewater Compliance	050422	Vat Overflow Recycle System
	Power Sweeper	050537	Warehouse Sweeper

Newly installed equipment not currently on the pollution control asset list:

#1 Sand Plant Baghouse

Additional Raymond Mill Baghouse

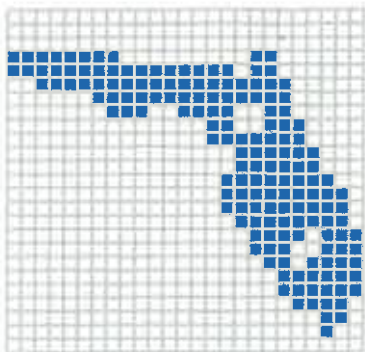
Thomas W. Davis, P.E.
Florida P.E. Registration No. 36777

12/10/08
Date

Plant Office
651 Keuka Road
Edgar, FL 32149



Corporate Office
Post Office Box 3033
Davenport, FL 33836



PUTNAM COUNTY PROPERTY APPRAISER

P.O. BOX 1920 • 312 OAK STREET • PALATKA, FLORIDA 32178-1920
PALATKA: 386/329-0286 • FAX: 386/329-0447 • TOLL FREE: 1-800-826-1437
CRESCENT CITY: 386/698-4284 • INTERLACHEN: 386/684-3383
Website: www.putnam-fl.com/app • Email: appraiser@putnam-fl.com

DEPARTMENT OF
ENVIRONMENTAL PROTECTION
DEC 08 2008
SITING COORDINATION

LARRY PRITCHETT, C.F.A.
Property Appraiser

TIMOTHY E. PARKER, C.F.E.
Chief Deputy

MARSHA DENTON, C.F.E.
Administrative Assistant

December 3, 2008

Michael P. Halpin, P.E.
Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Rd.
Tallahassee, FL 32399

RE: Feldspar – Edgar Minerals

Dear Mr. Halpin:

Enclosed you will find the Return of Pollution Control Devices for the above referenced account in our county.

Would you please review this information and advise me as to what qualifies for assessment as pollution control devices under Section 193.621, Florida Statutes. If you need any additional information, let me know. Thank you for your assistance.

Sincerely,

Justin Edwards, CFE
Office Operations Supervisor

Justin Edwards

OUR COMMITMENT TO YOU...

We in Putnam County are a team of public employees who provide services to help meet the needs of our citizens. We are committed to continuous improvement and greater participation by everyone. We will deliver our services in a meaningful, respectful, and courteous manner. We will do this now and in the future to preserve and enhance the quality of life in our community.



Edgar Minerals

Edgar Minerals Inc., Edgar, FL, 8-13-2008

Environmental Permits

Permit Number	Permit Title	Permit Type	Issuing Agency	Issue Date	Expiration Date	Applied For Change of Ownership	Ownership Changed by Issuing Agency
1070001-012-AO	Raymond Mill	Air Emissions	Florida Department of Environmental Protection	1/15/2008	1/15/2013	7/28/2008	8/8/2008
1070001-014-AO	Clay Dryer	Air Emissions	Florida Department of Environmental Protection	3/14/2008	3/14/2013	7/28/2008	8/8/2008
1070001-010-AO	#1 Sand Dryer	Air Emissions	Florida Department of Environmental Protection	1/15/2004	1/15/2009	7/28/2008	8/8/2008
1070001-011-AO	#2 Sand Dryer	Air Emissions	Florida Department of Environmental Protection	10/22/2004	10/22/2009	7/28/2008	8/8/2008
1070001-013-AC	#1 Sand Dryer & Raymond Mill	Air Emissions	Florida Department of Environmental Protection	3/25/2008	3/25/2009	7/28/2008	8/8/2008
FL0028525	Industrial Wastewater/NPDES	Wastewater Discharge	Florida Department of Environmental Protection	1/18/2007	1/15/2012	7/28/2008	10-16-08
0137511-001	Environmental Resource Permit	Mining	Florida Department of Environmental Protection	12/14/1998	1/30/2017	7/28/2008	
7882	Consumptive Use Permit	Water Use	St. Johns River Water Management District	5/11/1989	5/11/2019	7/28/2008	
0198687-001-WC	Water Treatment Plant	Construction	Florida Department of Environmental Protection	8/6/2003	8/6/2007	N/A	See Note 1
309753	Storage Tank Regulation	Fuel Storage Tanks	Florida Department of Environmental Protection	6/4/2007	6/30/2008	7/25/2008	8/8/2008
1185-1	Radioactive Materials License	Radioactive Materials	Florida Department of Health	12/8/2006	12/31/2011	8/1/2008	
199706420 (JF-TH)	Wetlands Permit Exemption	Mining	Army Corps of Engineers	7/25/2002	7/25/2007	7/28/2008	See Note 2
MMP-06-01	Mining Master Plan Permit	Mining	Putnam County	3/23/2007	No Expiration	7/28/2008	See Note 3

Note 1: No need to renew, this was a water treatment plant construction permit

Note 2: No need to renew, as long as mining activities remain consistent with previously submitted mine plan.

Note 3: Expires Upon Completion of Mining Activities on Williams Tract



DR-492
R. 08/83

Return of Pollution Control Devices For Ad Valorem Tax Purposes

Florida Statutes Chapter 193.621

To the Property Appraiser _____

County, Florida, Putnam

Return is hereby made for the assessment of the following described property under Florida Statutes as pollution control devices.

Description of Property

Air and water pollution control equipment. Includes cyclones, scrubbers, bag house.
Water pollution control equipment eliminates discharge of particulates
into state water system.

Description of Facility

See permits submitted.

Name and address of owner:

Edgar Minerals and Feldspar
651 Keuka Rd.
Palatka, FL 32149

The undersigned taxpayer hereby agrees to furnish such other reasonable information as the Appraiser may request in regard to the assessment requested herein.

John M. Ross, Agent
Taxpayer's Signature

This form must be filed with the County Property Appraiser before April 1st.

ORIGINAL TO BE RETAINED BY PROPERTY APPRAISER

COPY TO BE GIVEN TO TAXPAYER



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 • Fax: 904/448-4366

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF ADMINISTRATIVELY CORRECTED NON-TITLE V AIR OPERATION PERMIT

In the Matter of a Request for Administrative Correction:

Mr. David G. Carnes
Vice President of Operations
Edgar Minerals, Inc.
Post Office Box 1059
Davenport, Florida 33836

<u>Project</u>	<u>Administrative Correction to Permit No.:</u>
No.	
015	Permit No. 1070001-013-AC
016	Permit No. 1070001-012-AO
017	Permit No. 1070001- 014-AO
018	Permit No. 1070001-010-AO
019	Permit No. 1070001-011-AO
Putnam County	

The Department has determined that a minor correction to information contained in Permit Number 1070001-010-AO, 1070001-011-AO, 1070001-012-AO, 1070001-013-AC and 1070001-014-AO is required. This correction is in response to the Application for Transfer of Air Permit received July 29, 2008. This Administrative Permit Correction was processed as Project Number 015 through 019, pursuant to Rule 62-210.360, F.A.C. This corrective action does not alter the effective dates of the existing permit.

Edgar Minerals, Inc.
Transfer of Air Permit
August 8, 2008

The legal entity name in the referenced permit is hereby changed to:

Edgar Minerals, Inc.
Post Office Box 1059
Davenport, Florida 33836

The Department of Environmental Protection (Department) will consider the above-noted action final unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. Mediation under Section 120.573, F.S., will not be available for this proposed action.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Department's Office of General Counsel, MS #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9314, Fax: 850/487-4938). Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice. Petitions filed by any other person must be filed within 14 (fourteen) days of receipt of this proposed action. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when each petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

Edgar Minerals, Inc.
Transfer of Air Permit
August 8, 2008

- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Any party to this order (permit) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal, under Rule 9.110 of the Florida Rules of Appellate Procedure, with the with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000; and, by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty days from the date this notice is filed with the Clerk of the permitting authority.

Executed in Jacksonville, Florida.

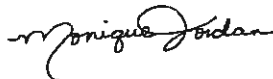
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P. E.
District Air Program Administrator

MCL: mcl

FILING AND ACKNOWLEDGEMENT FILED, on
this date, pursuant to Section 120.52(7), Florida statutes,
with the designated agency Clerk, receipt of which is hereby
acknowledged.



(Clerk)

8/8/2008

(Date)



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 ♦ Fax: 904/448-4366

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009
County: Putnam
Latitude/Longitude: 29°35'41"N; 81°57'13"W
UTM: E- (17) 407.7; N-3274.1
Project: Air Construction Permit

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-272, 62-296, 62-297 and 62-4. 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:

PROJECT

The purposes of this project are for the:

- Installation of two dust collectors (Manufacturer: Flex-Kleen, Model: 120 WSW-225) to control Particulate Matter (PM) emissions from the Raymond Mill and No. 1 Sand Plant.
- Removal of No. 2 fuel oil and propane as permitted fuels for the Clay Dryer (EU 003) and No.1 Sand Dryer (EU 004).
- Development of an operation and maintenance (O&M) plan to reduce PM emissions.

One of the baghouse is to control PM emissions from No. 1 Sand Plant including bucket elevators, screens, conveyor belt transfer, bagging, and railcar/truck loading. The second baghouse is to control PM emissions from the clay plant including lump clay bucket elevator, lump clay and EPK product - storage bins, railcar/truck loading, and bagging.

The baghouse is a pulse-jet dust collector that has 225 bags and a cloth area of 3,433 ft². Estimated airflow to the new baghouse is approximately 10,000 actual cubic feet per minute (acfm) resulting in an air-to-cloth ratio (filtering velocity) of 2.9 feet per minute.

FACILITY DESCRIPTION

On September 5, 2007, The Feldspar Corporation was acquired by IMERYS North America Ceramics. The Edgar facility mines and processes ore reserves comprised of silica sand and kaolin clay. The facility is a non-title V source.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

L.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

The permitted emissions units are as defined below

<u>E.U. ID No.</u>	<u>Brief Description</u>
001	No. 2 Sand Dryer with dry cyclone
002	Raymond Mill
003	Clay Dryer
004	No.1 Rotary Sand Dryer with wet cyclone

No.2 Sand Dryer (EU001). The moist sand feedstock is fed to the No.2 sand dryer feed hopper by a front end loader. The moist sand feedstock is transferred from the feed hopper to the dryer by a conveyor belt where the raw material moisture content is reduced from approximately 5.0 to 0.5 percent. The dried sand product is then transfer by a bucket elevator to two vibrating screens for sizing. From the storage bin, the sand product is loaded directly into railcars/trucks or transferred to the bagging area.

Raymond Mill (EU 002). The dried clay is conveyed by a screw conveyor from the lump clay storage bin to Raymond Mill. The Raymond Mill consists of a Flash Dryer for further moisture reduction prior to the grinding of dried clay. A baghouse (DCE Inc. Dalamatic Baghouse, series DLM 15, Model 2/6/15) is used to control particulate matter emissions from the mill and the fugitive PM source listed below.

- Bucket elevators
- Railcar loading
- Storage bins
- Small bagger
- Truck loading
- Large bagger

Clay Dryer (EU003). The moist clay feedstock is transferred by front-end loader to the Clay dryer feed hopper. The moist clay is then transferred from the feed hopper to the Clay Dryer by a conveyor belt where the raw material moisture content is reduced from approximately 42 to 8 percent. The dried clay from the Clay dryer is transferred and stockpiled in an enclosed storage building. Within the enclosed building, the dried clay is transferred by front-end loader to the lump clay storage bin bucket elevator and then transferred to the lump clay storage bin.

No.1 Rotary Sand Dryer (EU004). The moist sand feedstock is fed to the No.1 sand dryer feed hopper by a front end loader. The moist sand feedstock is transferred from the feed hopper to the dryer by a conveyor belt where the raw material moisture content is reduced from approximately 5.0 to 0.5 percent. The dried sand product is then transfer by a bucket elevator to two vibrating screens for sizing. The screened product next flows to the primary storage bin. From the primary storage bin, the product is either loaded directly into railcars/trucks or transferred to secondary screening.

OPERATING LOCATION

Located at 651 Keuka Road (County Road C-20A), Edgar, Putnam County, Florida.

RULE APPLICABILITY

The unit is subject to the following regulations:

- Rule 62-296.320, F.A.C. - General Pollutant Emissions Emitting Standards

ATTACHED APPENDICES ARE MADE A PART OF THIS PERMIT

Appendix GC General Conditions

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

Application for Air Permit - Non-Title V Source received December 31, 2007.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

EMISSIONS UNIT (S) SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. **Hours of Operation:** The hours of operation for each emissions unit are as shown in the table below.

Emissions Unit	Hours of Operation
EU 001 - No.2 Sand Dryer	Shall not exceed 7000 hours per 12 consecutive months
EU 002 - Raymond Mill	No restriction
EU 003 - Clay Dryer	No restriction
EU 004 - No. 1 Rotary Sand Dryer	Shall not exceed 2000 hours per 12 consecutive months

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

2. **Maximum Operating Rate:** The maximum operating rates are listed below and shall not be exceeded without prior Department approval:

Emissions Unit	Process Description	Maximum Operation Rate
EU 001 - No.2 Sand Dryer	Sand Throughput Rate	30 tons/hour
	Maximum Heat Input Rate	4.3 MMBtu/hour
EU 002 - Raymond Mill	Clay Drying Rate	8 tons/hour
	Maximum Heat Input Rate	1.5 MMBtu/hour
EU 003 - Clay Dryer	Clay Drying Rate	7 tons/hour
	Maximum Heat Input Rate	19.0 MMBtu/hour
EU 004 - No. 1 Rotary Sand Dryer	Sand Throughput Rate	130 tons/hour
	Maximum Heat Input Rate	40 MMBtu/hour

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

3. **Permitted Fuel:** All the emissions units are natural gas fired only.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

EMISSION LIMITATIONS AND STANDARDS

4. **Particulate Matter (PM) Emission Limits:** The maximum allowable PM emissions rates for each emissions unit are as follows:

Emissions Unit	Emissions Limit		Basis
	Lbs/hour	Tons/year	
EU 001	4.52	15.82	Ambient Air Quality Standards (AAQS) Analysis 1990, Rule 62-210.200(PTE), F.A.C.
EU 003	3.0	13.14	
EU 004	10.0	10.0	

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

5. **No.1 Rotary Sand Dryer - Wet Cyclone Pressure Drop Monitoring Requirements:** The pressure switch, located in the water supply line ahead of the water sprays in the spray section of the feed duct to the cyclone dust collector, shall be maintained such that the main stack exhaust fan, dryer, and dryer feed conveyor will immediately shutdown in the event the water pressure drop below 20 psi (the minimum operating level).
[Permit No. 1070001-005-AO]
6. **General Visible Emissions Standard:** Except for emissions unit that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharge into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on Ringelmann Chart (20% opacity). Compliance shall be determined by EPA Method 9 upon Department's request, incorporated and adopted by reference in Rule 62-297, F.A.C.
[Rule 62-296.320(4)(b) 1., F.A.C.]
7. **Industrial, Commercial, and Municipal Open Burning Prohibited.** Open burning in connection with industrial, commercial, or municipal operations is prohibited, except when:
 - (a) Open burning is determined by the Department to be the only feasible method of operation and is authorized by an air permit issued pursuant to Chapter 62-210 or 62-213, F.A.C.; or
 - (b) An emergency exists which requires immediate action to protect human health and safety.[Rule 62-296.320(3), F.A.C.]
8. **Operation and Maintenance (O&M) Plan:** The facility shall develop and implement an operation and maintenance (O&M) plan to minimize the PM emissions from the regulated emissions points and the facility wide fugitive PM emissions. These procedures shall include the followings:
 - a. Daily inspections of all process equipments and the emissions control system to identify any equipment leaks or malfunctions during the days when operating.
 - b. Conduct repair/corrective action as soon as possible once the leaks or malfunctions are identified.
 - c. Daily monitoring of the pressure drop for each control unit system during the days when operating. The control unit's pressure drop shall be operated in the range of manufacturer's recommendation. The pressure drop shall be recorded on a daily basis during the days when operating.
 - d. Daily inspection on the stack visible emissions from each dryers and baghouses during the day when operating. If an unusual high visible emission (compare to normal) is observed, the operator shall evaluate the process equipment and the control unit (if any) in order to conduct corrective action to bring the visible emissions back to normal.
 - e. Watering, or an equivalent method, shall be implemented, for facility unpaved roads, on an as needed basis, to reduce fugitive PM emissions due to truck traffic.

Upon the Department's request, the facility shall revise the O&M plan to make necessary changes to reduce fugitive PM emissions. The revision of the O&M plan does not require permit revision. The plan (with the latest revision) shall be kept on site at all times.

[Applicant's proposal received December 31, 2007]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

9. **Unconfined Emissions of Particulate Matter**: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
[Rule 62-296.320 (4)(c), F.A.C.]
10. **Circumvention**: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]
11. **Excess Emissions**: Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

COMPLIANCE DEMONSTRATION AND PERFORMANCE TESTING

12. **Standard Testing Requirements**: All required emissions test (s) shall be conducted in accordance with the procedures and requirements of Rule 62-297, F.A.C.
[Rule 62-297.100, F.A.C.]
13. **Test Method (s)**: The owner or operator shall demonstrate compliance with the emissions limit with the test methods as described in the table below.

Compliance Demonstration For	Test Method	Description
PM Limit	EPA Method 1 through 4	Method for determining traverses points, velocity, flow rate, gas analysis, and moisture content. These methods shall be performed as necessary to support other methods.
	EPA Method 5	Method for determining the Particulate Matter Emissions.

The above EPA methods are specified in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C.
[Rule 62-297.401, F.A.C.]

14. **PM Compliance Test Frequency**: The owner or operator shall conduct a performance test, with the test method specified in Specific Condition No.13, to demonstrate compliance with the PM emissions limit (as specified in Specific Condition No.4) at least once every 5 years prior to permit renewal.
[Rule 62-297.310(7)(a), F.A.C.]
15. **PM Compliance Test Requirements for EU 003**: The owner or operator shall conduct a performance test, with the test method specified in Specific Condition No.13, to demonstrate compliance with the PM emissions limit for Clay Dryer (EU003) prior to obtaining the Air Operation Permit. The subsequent testing frequency for EU 003 shall be in accordance to the requirements of specific condition No. 14.
[Rule 62-4.030 and 62-297.310(7) (b), F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

16. Operating Rate During Testing. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity as defined below. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate 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. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rules 62-297.310(2), F.A.C.]
17. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7) (b), F.A.C.]

NOTIFICATION, RECORDKEEPING AND REPORTING REQUIREMENTS

18. Compliance Test Notification. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. [Rule 62-297.310(7) (a) 9, F.A.C.]
19. Malfunction Notification. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the NED Air Program immediately in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
20. Plant Operation - Problems: If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules. [Rule 62-4.130, F.A.C.]
21. Recordkeeping: The owner or operator shall maintain the following records onsite for at least 3 years.
- Monthly hours of operation for EU 001 and EU 004. The latest monthly record shall be added to the hours of operation from previous 11 consecutive months to obtain hours of operation for 12-consecutive months.
 - All the test reports.
 - A copy of O & M plan.
 - Inspections (pressure drop, opacity reading, leaks, and etc.) and corrective actions records.
- [Rule 62-4.030 and 62-4.160 (14)(b), F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

22. Test Reports. The owner and operator shall comply with the following reporting requirements.
- (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.
 - (b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.
 - (c) The test report shall provide sufficient detail about the emissions unit tested and the test procedures used according to the requirements of F.A.C. Rule 62-297.310 (8)(c).
- [Rule 62-297.310(8), F.A.C.]

ADMINISTRATIVE

23. The I.D. No. and Project name for this source shall be used on all correspondence.
24. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
25. Modifications. No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rule 62-210.300(1), F.A.C.]
26. New or Additional Conditions. For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080(1), F.A.C.]
27. General Conditions. The owner or operator is subject to and shall operate under the General Permit Conditions as described in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes.
[Rule 62-4.160, F.A.C.]
28. All reports, tests, notifications or other submittals required by this permit shall be submitted to the:

Department of Environmental Protection
Northeast District - Air Program
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256
Telephone: 904/807-3300
Fax: 904/448-4366

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

29. A completed Application for Air Permit -Non-Title V Source (DEP Form No. 62-210.900(3), F.A.C.), shall be submitted to the Department at least 60 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit. [Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P. E.
District Air Program Administrator

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

APPENDIX GC - GENERAL CONDITIONS [RULE 62-4.160]

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 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. 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 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, as 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 and at a reasonable time, 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 the conditions of the 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.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

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 non-compliance; and
- b. the period of noncompliance, including 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 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 prescribed by Sections 403.73 and 403.111, Florida Statutes. 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 Florida Administrative Code Rules 17-4.120 and 17-730.300, 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)
- () Compliance with New Source Performance Standards (NSPS)

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-013-AC
Date of Issue: March 25, 2008
Expiration Date: March 25, 2009

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 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 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.

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 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.



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Colleen M. Castille
Secretary

PERMITTEE:

The Feldspar Corporation
Post Office Box 8, County Road 20A
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-011-AO
Date of Issue: October 22, 2004
Expiration Date: October 22, 2009
County: Putnam
Latitude/Longitude: 29°35'20"N; 81°57'30"W
UTM: E- (17) 407.8; N-3274.2
Project: No.2 Sand Dryer Operation Permit
Renewal

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-272, 62-296, 62-297 and 62-4. 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:

PROJECT

For the operation of No.2 Rotary Sand Dryer fired with natural gas. Particulate matter emissions are controlled by a cyclone.

OPERATING LOCATION

Located at South of S.R. 20, on RT. C 20A, West of Palatka, Edgar, Putnam County, Florida.

REGULATORY CLASSIFICATION

This emissions unit is subject to regulation under Rule 62-296.320, F.A.C., General Pollutant Emission Limiting Standards, and Ambient Air Quality Standards (AAQS).

Emissions Unit 001: No.2 Sand Dryer With Cyclone

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

Application for Non-Title V Air Permit Renewal received September 15, 2004.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8, County Road 20A
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-011-AO
Date of Issue: October 22, 2004
Expiration Date: October 22, 2009

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 403.161, 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. 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 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, as 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 and at a reasonable time, 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 the conditions of the 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.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8, County Road 20A
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-011-AO
Date of Issue: October 22, 2004
Expiration Date: October 22, 2009

GENERAL CONDITIONS:

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 non-compliance; and
- b. the period of noncompliance, including 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 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 prescribed by Sections 403.73 and 403.111, Florida Statutes. 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 Florida Administrative Code Rules 17-4.120 and 17-730.300, 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)
- () Compliance with New Source Performance Standards (NSPS)

PERMITTEE:
The Feldspar Corporation
Post Office Box 8, County Road 20A
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-011-AO
Date of Issue: October 22, 2004
Expiration Date: October 22, 2009

GENERAL CONDITIONS:

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 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 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.

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 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.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8, County Road 20A
Edgar, Florida 32149

LD. Number: 1070001
Permit/Cert: 1070001-011-AO
Date of Issue: October 22, 2004
Expiration Date: October 22, 2009

SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. **Hours of Operation:** The hours of operation are restricted and shall not exceed 7000 hours per year. The permittee shall maintain records of the hours of operation. The records shall be maintained onsite for at least three years.
[Rules 62-4.160(2)&(14)(b), 62-210.200(PTE), F.A.C.]
2. **Permitted Capacity:** The maximum operating rates are listed below and shall not be exceeded prior to Department's approval. [Rule 62-210.200(228)-Definition of Potential To Emit]

Material	Rate
Dry Silica Sand	30 Tons / Hour
Natural Gas	4.3 MMBtu / hour

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

3. **Emission Limits:** The permitted maximum allowable emissions rates for each pollutant are as follows:

Pollutant	Emissions Rate		FAC Rule
Particulate Matter (PM)	4.52 lbs/hr Note (1)	15.82 tons/year Note (2)	Note (1)
Visible Emissions (VE)	20 % Opacity		Rule 62-296.320(4)(b)1., F.A.C.

Note (1) Basis: Model results; Ambient Air Quality Standards (AAQS) and revision request received 12-19-90.

Note (2) Basis: Hours of operation of 7000 hours/year.

4. **General Visible Emissions Standard (Facility Wide):** No person shall cause, let, permit, suffer or allow to be discharge into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on Ringelmann Chart (20% opacity).
[Rule 62-296.320(4)(b) 1., F.A.C.]
5. **Objectionable Odor Prohibited:** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. Objectionable odor, is an odor present in the outdoor atmosphere which by itself or by combination with other odors, is or maybe harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which create a nuisance.
[Rule 62-296.320(2) and 62-210.200 (181), F.A.C.]
6. **Unconfined Particulate Matter:** No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any emissions unit whatsoever, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing or handling, without taking reasonable precautions to prevent such emissions.
[Rule 62-296.320(4)(c)1., F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8, County Road 20A
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-011-AO
Date of Issue: October 22, 2004
Expiration Date: October 22, 2009

SPECIFIC CONDITIONS:

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

7. **Compliance Testing:** Test the emissions for the following pollutant(s) during each fiscal year (October 1-September 30). [Rule 62-297.310 (7)(a), F.A.C.]

Pollutant	Test Method
Particulate Matter (PM)	DEP Method 5
Visible Emissions (VE)	DEP Method 9

8. **Operation During Compliance Test:** Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined below. If it is impracticable 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. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.
[Rule 62-297.310(2)(b), F.A.C.]
9. **Compliance Test Notification:** 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.]
10. **Accuracy of Equipment:** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.
[Rule 62-297.310(5)(b), F.A.C.]
11. **Compliance Test Procedures:** Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.
[Rule 62-296.414(3)(b), F.A.C.]

REPORTING AND RECORDKEEPING REQUIREMENTS

12. **Records Keeping:** The owner or operator shall record the following in formations and retained for at least three (3) years following the date at which such measurements, records, or data are recorded. Records shall be made available to the Department upon request.
- The monthly throughput rate for silica sand dried.
 - The monthly total amount of natural gas burned.
- [Rule 62-4.160 (14)(b), F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8, County Road 20A
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-011-AO
Date of Issue: October 22, 2004
Expiration Date: October 22, 2009

SPECIFIC CONDITIONS:

13. **Compliance Report:** Reports of the required compliance tests shall be submitted as soon as practical but no later than 45 days after the last test is completed. Each test report shall include the maximum input / production rate at which this source was operated since the most recent test.
[Rule 62-297.310(8)(b), F.A.C.]

ADMINISTRATIVE:

14. The I.D. No. and Project name for this source shall be used on all correspondence.
15. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
16. A completed **Application for Air Permit- Non-Title V Source Renewal** [DEP Form No. 62-210.900(4), F.A.C.] shall be submitted to the Department at least 60 days prior to the expiration date of this operation permit. To properly apply for the operation permit renewal, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.
[Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P. E.
District Air Program Administrator



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

PERMITTEE:
The Feldspar Corporation
EPK Clay Division
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-010-AO
Date of Issue: January 15, 2004
Expiration Date: January 15, 2009
County: Putnam
Latitude/Longitude: 29° 35 '20"N; 81°57'30"W
UTM: E-(17)407.8 ; N-3274.2
Project: #1 Rotary Dryer

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-272, 62-296, 62-297 and 62-4. 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:

PROJECT

For the renewal of an Air Operating Permit.

FACILITY DESCRIPTION

For the operation of No. 1 Rotary Sand Dryer with particulate matter controlled by a wet Cyclone Collector. The Sand Dryer has a heat input rate of 40 MMBtu/hr with a throughput rate of 130 TPH. The Dryer has the option to use natural gas, propane or No. 2 oil as fuel.

POLLUTANTS

Particulate Matter and Visible Emissions

REGULATORY CLASSIFICATION

This facility is subject to regulation under: Rule 62-296.310(2), F.A.C.

OPERATING LOCATION

Located 20 mi. west of Palatka, south of SR 20, on Rt. C 20A, Edgar, Putnam County, Florida

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department:

Renewal permit application received 12-03-03

PERMITTEE:
The Feldspar Corporation
EPK Clay Division
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-010-AO
Date of Issue: January 15, 2004
Expiration Date: January 15, 2009
County: Putnam

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 403.161, 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 the 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. 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 the permit.
4. This permit conveys not 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 no 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 permitted 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 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 and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy any record that must be kept under the conditions of the 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.

PERMITTEE:
The Feldspar Corporation
EPK Clay Division
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-010-AO
Date of Issue: January 15, 2004
Expiration Date: January 15, 2009
County: Putnam

GENERAL CONDITIONS:

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 non-compliance; and
- b. the period of non-compliance, including 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 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 prescribed by Sections 403.73 and 403.111, Florida Statutes. 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 Florida Administrative Code Rules 62-4.120 and 62-730.300, 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)
- () Compliance with New Source Performance Standards (NSPS)

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.

PERMITTEE:
The Feldspar Corporation
EPK Clay Division
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-010-AO
Date of Issue: January 15, 2004
Expiration Date: January 15, 2009
County: Putnam

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 measurements;
 - the person responsible for performing the sampling or measurement;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - 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 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.

PERMITTEE:
The Feldspar Corporation
EPK Clay Division
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-010-AO
Date of Issue: January 15, 2004
Expiration Date: January 15, 2009
County: Putnam

SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. The I.D. No. and Project name for this source shall be used on all correspondence.
2. **Hours of Operation:** The hours of operation are limited to 2000 H/Y and shall be recorded.
[Rule 62-210.200(PTE), F.A.C.]

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

3. **Maximum Allowable Emission Rate:** The permitted maximum allowable emission rate for each pollutant is as follows:

POLLUTANT	EMISSION RATE		FAC RULE
	LBS/HR	TPY	
Particulate Matter	10.00 NOTE (1)	10.00 NOTE (2)	NOTE (1)
Visible Emissions	20% Opacity		62-296.310(2)

NOTE (1) Basis: Air Permit No. 1070001-005-AO.

NOTE (2) Basis: Operation hours are limited to 2000 H/Y and shall be recorded.

TESTING REQUIREMENTS

4. **Testing:** Test the emissions for the following pollutant(s) at the intervals indicated, notify the Department 15 days prior to testing, and submit the test report documentation to the Department within 45 days after completion of the testing.
[FAC Rule 62-297.570(2)]:

POLLUTANT	TEST INTERVAL	TEST METHOD
Particulate Matter	Annually (NOTE 1)	EPA 5
Visible Emissions	Annually	EPA 9

NOTE (1) In lieu of a stack test, submit a certified ASTM fuel oil analysis if fuel oil was used during the previous 12 months with the emissions test report, or if fuel oil was not used, so state in the test report.

Tests and test reports shall comply with the requirements of FAC Rules 62-297.330 and 62-297.570, respectively.

5. **Testing:** Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined below. If it is impracticable 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. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.
[Rule 62-297.310(2)(b), F.A.C.]

PERMITTEE:
The Feldspar Corporation
EPK Clay Division
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-010-AO
Date of Issue: January 15, 2004
Expiration Date: January 15, 2009
County: Putnam

6. **Unconfined Particulate Matter:** Unconfined particulate matter emissions shall be controlled by application of dust suppressants, unless an alternative method is requested and approved, to all areas necessary to reasonably control such emissions per Rule 62-296.320(4)(c), F.A.C.
7. **Maintenance:** The pressure switch, located in the water supply line ahead of the water sprays in the spray section of the feed duct to the cyclone dust collector, shall be maintained such that the main stack exhaust fan, dryer, and dryer feed conveyor will immediately shutdown in the event the water pressure drops below 20 psi (the minimum operating level). The minimum pressure shall be recorded on a daily basis.
[Air Permit No. 1070001-005-AO]
8. In each test report, submit the maximum input/production rate at which this source was operated since the most recent test.

ADMINISTRATIVE

9. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
10. **A completed Application for Air Permit Renewal- Non-Title V Source** [DEP Form No. 62-210.900(4), F.A.C.] shall be submitted to the Department at least 60 days prior to the expiration date of this permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form and processing fee.
[Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P.E.
District Air Program Administrator



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 ♦ Fax: 904/448-4366

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013
County: Putnam
Latitude/Longitude: 29°35'41"N; 81°57'13"W
UTM: E- (17) 407.7; N-3274.1
Project: Permit Renewal

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-272, 62-296, 62-297 and 62-4. 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:

PROJECT

The purpose of this project is for the operation of Emissions Unit 003 - Clay Dryer.

EMISSIONS UNIT DESCRIPTION

Clay Dryer (EU003). The moist clay feedstock is transferred by front-end loader to the Clay dryer feed hopper. The moist clay is then transferred from the feed hopper to the Clay Dryer by a conveyor belt where the raw material moisture content is reduced from approximately 42 to 8 percent. The dried clay from the Clay dryer is transferred and stockpiled in an enclosed storage building. Within the enclosed building, the dried clay is transferred by front-end loader to the lump clay storage bin bucket elevator and then transferred to the lump clay storage bin.

OPERATING LOCATION

Located at 651 Keuka Road (County Road C-20A), Edgar, Putnam County, Florida.

RULE APPLICABILITY

The unit is subject to the following regulations:

- Rule 62-296.320, F.A.C. - General Pollutant Emissions Emitting Standards

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

ATTACHED APPENDICES ARE MADE A PART OF THIS PERMIT

Appendix GC General Conditions

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

Application for Air Permit Renewal - Non-Title V Source received March 10, 2008.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

EMISSIONS UNIT (S) SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. Hours of Operation: The hours of operation are not limited.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]
2. Maximum Operating Rate: The maximum throughput rate is 7 tons per hour and shall not be exceeded without prior Department approval.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]
3. Maximum Heat Input Rate: The maximum heat input rate is 19.0 MMBtu per hour and shall not be exceeded with prior Department approval.
4. Permitted Fuel: The unit is allowed to use No.2 fuel oil, propane or natural gas. Sulfur content of No.2 fuel oil shall not exceed 0.4 % by weight.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

EMISSION LIMITATIONS AND STANDARDS

5. Emission Limits: The permitted allowable emissions rates are as follows:

Pollutant	Emissions Limit		Basis
Particulate Matter (PM)	3.0 lbs/hour	13.14 tons/year	Ambient Air Quality Standards (AAQS) Analysis 1990, Rule 62-210.200(PTE), F.A.C.
Visible Emissions (VE)	5 % Opacity		Rule 62-297.620, F.A.C.

6. Unconfined Emissions of Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
[Rule 62-296.320 (4)(c), F.A.C.]
7. General Visible Emissions Standard: Except for emissions unit that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharge into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on Ringelmann Chart (20% opacity). Compliance shall be determined by EPA Method 9 upon Department's request, incorporated and adopted by reference in Rule 62-297, F.A.C.
[Rule 62-296.320(4)(b) 1., F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

EMISSIONS UNIT (s) SPECIFIC CONDITIONS

8. Industrial, Commercial, and Municipal Open Burning Prohibited: Open burning in connection with industrial, commercial, or municipal operations is prohibited, except when:
- (a) Open burning is determined by the Department to be the only feasible method of operation and is authorized by an air permit issued pursuant to Chapter 62-210 or 62-213, F.A.C.; or
 - (b) An emergency exists which requires immediate action to protect human health and safety. [Rule 62-296.320(3), F.A.C.]
9. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. Objectionable odor, is an odor present in the outdoor atmosphere which by itself or by combination with other odors, is or maybe harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which create a nuisance. [Rule 62-296.320(2) and 62-210.200 (181), F.A.C.]
10. Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]
11. Excess Emissions: Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

COMPLIANCE DEMONSTRATION AND PERFORMANCE TESTING

12. Standard Testing Requirements: All required emissions test (s) shall be conducted in accordance with the procedures and requirements of Rule 62-297, F.A.C. [Rule 62-297.100, F.A.C.]
13. Compliance Testing: The owner or operator shall demonstrate compliance with the emissions limit with the test methods as described in the table below.

Compliance Demonstration For	Test Method	Description
PM Limit	EPA Method 1 through 4	Method for determining traverses points, velocity, flow rate, gas analysis, and moisture content. These methods shall be performed as necessary to support other methods.
	EPA Method 5	Method for determining the Particulate Matter Emissions.
VE Limit	EPA Method 9	Method for determining the opacity.

The above EPA methods are specified in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C.
[Rule 62-297.401, F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

14. PM Compliance Test Frequency: The owner or operator shall conduct a performance test, with the test method specified in Specific Condition No.13, to demonstrate compliance with the PM emissions limit (as specified in Specific Condition No.5) at least once every 5 years prior to permit renewal.
[Rule 62-297.310(7)(a), F.A.C.]
15. VE Compliance Test Frequency: The owner or operator shall conduct a performance test, with the test method specified in Specific Condition No.13, to demonstrate compliance with the VE emissions limit (as specified in Specific Condition No.5) at least once each federal fiscal year (October 1-September 30).
[Rule 62-297.310(7)(a), F.A.C.]
16. Operating Rate During Testing. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity as defined below. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate 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. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.
[Rules 62-297.310(2), F.A.C.]
17. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
[Rule 62-297.310(7) (b), F.A.C.]

NOTIFICATION, RECORDKEEPING AND REPORTING REQUIREMENTS

18. Compliance Test Notification. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
[Rule 62-297.310(7) (a) 9, F.A.C.]
19. Malfunction Notification. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the NED Air Program immediately in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

20. **Plant Operation – Problems:** If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules.
[Rule 62-4.130, F.A.C.]
21. **Test Reports.** The owner and operator shall comply with the following reporting requirements.
- (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.
 - (b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.
 - (c) The test report shall provide sufficient detail about the emissions unit tested and the test procedures used according to the requirements of F.A.C. Rule 62-297.310 (8)(c).
- [Rule 62-297.310(8), F.A.C.]

ADMINISTRATIVE

22. The I.D. No. and Project name for this source shall be used on all correspondence.
23. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
24. **Modifications.** No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rule 62-210.300(1), F.A.C.]
25. **New or Additional Conditions.** For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080(1), F.A.C.]
26. **General Conditions.** The owner or operator is subject to and shall operate under the General Permit Conditions as described in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes.
[Rule 62-4.160, F.A.C.]
27. All reports, tests, notifications or other submittals required by this permit shall be submitted to the:

Department of Environmental Protection
Northeast District – Air Program
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256
Telephone: 904/807-3300
Fax: 904/448-4366

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

28. A completed Application for Non Title V Air Permit Renewal (DEP Form No. 62-210.900(4), F.A.C.), shall be submitted to the Department at least 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.
[Rules 62-4.055 and 62-4.220, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P. E.
District Air Program Administrator

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

APPENDIX GC - GENERAL CONDITIONS [RULE 62-4.160]

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 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. 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 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, as 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 and at a reasonable time, 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 the conditions of the 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.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

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 non-compliance; and
- b. the period of noncompliance, including 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 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 prescribed by Sections 403.73 and 403.111, Florida Statutes. 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 Florida Administrative Code Rules 17-4.120 and 17-730.300, 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)
- () Compliance with New Source Performance Standards (NSPS)

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-014-AO
Date of Issue: March 14, 2008
Expiration Date: March 14, 2013

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 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 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.

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 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.



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 • Fax: 904/448-4366

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert Number: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013
County: Putnam
Latitude/Longitude: 29°35'20"N; 81°57'30"W
UTM: E- (17) 407.8; N-3274.2
Project: Permit Renewal

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-272, 62-296, 62-297 and 62-4. 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:

PROJECT

For the renewal of Air Operation Permit No. 1070001-008-AO. This air permit is for the operation of Raymond Mill.

EMISSIONS UNIT DESCRIPTION

The emissions unit of this project is as defined below

<u>E.U. ID No.</u>	<u>Brief Description</u>
002	Raymond Mill

The Raymond Mill consists of a Flash Dryer (C-D2) for moisture reduction prior to the grinding of dried clay and a baghouse (DCE Inc. Dalamatic Baghouse, series DLM 15, Model 2/6/15) to control the particulate matter emissions from the mill and the fugitive PM source listed below.

- | | |
|--------------------|-------------------|
| - Bucket elevators | - Railcar loading |
| - Storage bins | - Small bagger |
| - Truck loading | - Large bagger |

OPERATING LOCATION

Located at 651 Kenka Road (County Road C-20A), Edgar, Putnam County, Florida.

RULE APPLICABILITY

The unit is subject to the following regulations:

- Rule 62-296.320, F.A.C. – General Pollutant Emissions Emitting Standards

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

ATTACHED APPENDICES ARE MADE A PART OF THIS PERMIT

Appendix GC General Conditions

RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

Air Operation Permit No. 1070001-008-AO
Application for Non-Title V Air Permit Renewal received November 29, 2006.
Request for Additional Information dated December 27, 2006.
Additional Information received January 11, 2007.
Request for Additional Information dated February 9, 2007.
Request for Additional Time to Respond received May 11, 2007.
Time Extension Issued May 14, 2007.
Request for Additional Time to Respond received June 6, 2007.
Time Extension Issued June 7, 2007.
Additional Information received August 8, 2007.
Request for Additional Information dated September 5, 2007.
Request for Additional Time to Respond received December 3, 2007.
Additional Information received December 31, 2007.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

EMISSIONS UNIT (S) SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. **Hours of Operation:** The hours of operation are not restricted.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]
2. **Maximum Operating Rate:** The Maximum operating rate is listed below and shall not exceed without prior Department approval:

Rate	Material
16, 000 lbs/hour	Dry Clay
1.5 MMBtu/hour	Natural Gas

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

EMISSION LIMITATIONS AND STANDARDS

3. **Visible Emissions (VE) Limit (For EU002):** The visible emissions from the baghouse exhaust point shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]
4. **General Visible Emissions Standard:** Except for emissions unit that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharge into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on Ringelmann Chart (20% opacity). Compliance shall be determined by EPA Method 9 upon Department's request, incorporated and adopted by reference in Rule 62-297, F.A.C.
[Rule 62-296.320(4)(b) 1., F.A.C.]
5. **Industrial, Commercial, and Municipal Open Burning Prohibited.** Open burning in connection with industrial, commercial, or municipal operations is prohibited, except when:
 - (a) Open burning is determined by the Department to be the only feasible method of operation and is authorized by an air permit issued pursuant to Chapter 62-210 or 62-213, F.A.C.; or
 - (b) An emergency exists which requires immediate action to protect human health and safety.[Rule 62-296.320(3), F.A.C.]
6. **Unconfined Emissions of Particulate Matter.** No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions may include the following, but not limited to:
 - a. Paving and maintenance of roads, parking areas and yards.
 - b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
 - c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
 - d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
 - e. Landscaping or planting of vegetation.
 - f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
 - g. Confining abrasive blasting where possible.
 - h. Enclosure or covering of conveyor systems.[Rule 62-296.320 (4)(c), F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

7. Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
[Rule 62-210.650, F.A.C.]
8. Excess Emissions: Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.
[Rule 62-210.700(4), F.A.C.]

COMPLIANCE DEMONSTRATION AND PERFORMANCE TESTING

9. Standard Testing Requirements: All required emissions test (s) shall be conducted in accordance with the procedures and requirements of Rule 62-297, F.A.C.
[Rule 62-297.100, F.A.C.]
10. Test Method (s): The owner or operator shall have a formal compliance test conducted for Visible Emissions limit as described in Specific Condition No.3 using EPA Method 9 as specified in Appendix A of 40 CFR 60 and is adopted by reference in Rule 62-204.800, F.A.C.
11. VE Compliance Test Frequency: The owner or operator shall conduct a visible emission test, with the test method specified in Specific Condition No.9, to demonstrate compliance with the VE limit (as specified in Specific Condition No.3) at least once during each federal fiscal year (October 1-September 30).
[Rule 62-297.310(7) (a), F.A.C.]
11. Operating Rate During Testing. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity as defined below. If it is impracticable 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. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.
[Rules 62-297.310(2), F.A.C.]
12. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.
[Rule 62-297.310(7) (b), F.A.C.]

NOTIFICATION AND REPORTING REQUIREMENTS

13. Compliance Test Notification. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
[Rule 62-297.310(7) (a) 9, F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

EMISSIONS UNIT (S) SPECIFIC CONDITIONS

14. **Malfunction Notification.** In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the NED Air Program immediately in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.
[Rule 62-210.700(6), F.A.C.]
15. **Plant Operation – Problems:** If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules.
[Rule 62-4.130, F.A.C.]
16. **Test Reports.** The owner and operator shall comply with the following reporting requirements.
- (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.
 - (b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.
 - (c) The test report shall provide sufficient detail about the emissions unit tested and the test procedures used according to the requirements of F.A.C. Rule 62-297.310 (8)(c).
- [Rule 62-297.310(8), F.A.C.]

ADMINISTRATIVE

17. The I.D. No. and Project name for this source shall be used on all correspondence.
18. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
19. **Modifications.** No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rule 62-210.300(1), F.A.C.]
20. **New or Additional Conditions.** For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080(1), F.A.C.]
21. **General Conditions.** The owner or operator is subject to and shall operate under the General Permit Conditions as described in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes.
[Rule 62-4.160, F.A.C.]
22. **Applicable Regulations.** These emissions units are subject to the following regulations: Florida Administrative Code Chapters 62-4; 62-103; 62-204; 62-210; 62-212, 62-213, 62-296, and 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations.
[Rule 62-210.300, F.A.C.]

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

EMISSIONS UNIT (S) SPECIFIC CONDITIONS:

23. All reports, tests, notifications or other submittals required by this permit shall be submitted to the:

Department of Environmental Protection
Northeast District – Air Program
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256
Telephone: 904/807-3300
Fax: 904/448-4366

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P. E.
District Air Program Administrator

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

APPENDIX GC - GENERAL CONDITIONS [RULE 62-4.160]

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 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. 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 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, as 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 and at a reasonable time, 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 the conditions of the 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.

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

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 non-compliance; and
- b. the period of noncompliance, including 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 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 prescribed by Sections 403.73 and 403.111, Florida Statutes. 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 Florida Administrative Code Rules 17-4.120 and 17-730.300, 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)
- () Compliance with New Source Performance Standards (NSPS)

PERMITTEE:
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

I.D. Number: 1070001
Permit/Cert: 1070001-012-AO
Date of Issue: January 15, 2008
Expiration Date: January 15, 2013

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 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 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.

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 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.



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 ♦ Fax: 904/448-4366

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

October 16, 2008

In the Matter of an Application for Permit
Transfer by:

L. Baylis Carnes, III
President, Edgar Minerals, Inc.
1850 Highway 17-92 North
Davenport, Florida 33837
E-mail: BaylisCarnes@StandardSand.com

Permit No.: FL0028525
PA File No.: FL0028525-004-IWF
Edgar Minerals, Inc.
Putnam County

NOTICE OF PERMIT TRANSFER

Enclosed is a revision to Permit Number FL0028525, issued under section(s) 403 of the Florida Statutes.

The revision serves to transfer the permit from The Feldspar Corporation to Edgar Minerals, Inc., to reflect the purchase of the Edgar Florida Kaolin Clay and Sand operations of The Feldspar Corporation from Imerys North American Ceramics Division. In accordance with Rule 62-620.340(5), Florida Administrative Code (F.A.C.), Mr. L. Baylis Carnes, III, is the new responsible authority for this industrial wastewater permit. Attached is a copy of the revised permit. If you wish to continue coverage beyond the expiration date, a request shall be made to the Northeast District office at least 180 days before expiration, in accordance with Rule 62-620.410(5), F.A.C. All other conditions of the permit remain in effect and are fully enforceable. Attached is the revised Discharge Monitoring Report (DMR) reflecting the new ownership.

The Department will issue the permit unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition or request for mediation within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; each the Department case or identification number and the county in which the subject matter or activity is located;
- (b) A statement of when and how each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) Demand for relief (sought by the petitioner, stating precisely the action that the petitioner wants the Department to take).

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

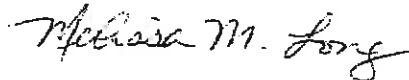
In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing). The agreement must contain all the information required by rule 28-106.404. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within ten days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

As provided in section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by sections 120.569 and 120.57 for holding an administrative

hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within fourteen days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under sections 120.569 and 120.57. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

Executed in Jacksonville, Florida.

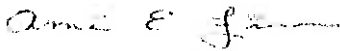
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Melissa M. Long, P.E.
Water Facilities Administrator

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF PERMIT TRANSFER and all copies were sent before the close of business on October 16, 2008 to the listed persons and organizations.



Clerk

Enclosure(s):

Revised Industrial Wastewater Permit
Revised Discharge Monitoring Report

Copies furnished to:

Susan Radcliffe, Secretary - The Feldspar Corporation
Bruce Shelar, EHS Manager - Edgar Minerals, Inc.
Putnam County Health Department



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 ♦ Fax: 904/448-4366

STATE OF FLORIDA INDUSTRIAL WASTEWATER FACILITY PERMIT

PERMITTEE:

Edgar Minerals, Inc.
1850 Highway 17-92 North
Davenport, FL 33837

PERMIT NUMBER:

FL0028525 (Minor)

PA FILE NUMBER:

FL0028525-004-IWF

ISSUANCE DATE:

January 16, 2007

EXPIRATION DATE:

January 15, 2012

REVISION 1st DATE:

October 16, 2008

RESPONSIBLE AUTHORITY:

L. Baylis Carnes, III
President, Edgar Minerals, Inc.
1850 Highway 17-92 North
P.O. Box 1059
Davenport, FL 33837
(863) 422-7100
BaylisCarnes@StandardSand.com

FACILITY:

Edgar Minerals, Inc.
651 Keuka Road
Edgar, FL 32149
Putnam County

Latitude: 29° 35' 40" N Longitude: 81° 57' 15" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and applicable rules of the Florida Administrative Code (F.A.C.), and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System (NPDES). The above named permittee is hereby authorized to operate the facilities shown on the application and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

A mining facility that produces various grades of sand and clay by mining and processing of kaolinite bearing sand.

WASTEWATER TREATMENT:

Process Wastewater is generated from the dredging, screening, classifying, de-watering, separation and other required processing of the mined kaolinite bearing sand. The wastewater treatment consists of flocculation and sedimentation in settling vats and settling ponds. Final effluent can be discharged through outfalls D001 and D002 to Cabbage Creek (Class III Fresh Water).

The facility discontinued discharges of process wastewater to surface waters of the state as of May 2000, and intends to continue reuse of treated water from settling ponds for a closed-loop operation. Discharges from outfalls D001 and D002 are intermittent pursuant to the conditions of the Permittee's Consumptive Use Permit issued by the St. Johns River Water Management District. An intermittent discharge is required in the event of equipment failure,

"More Protection, Less Process"
<http://www.dep.state.fl.us/>

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

high water situations or other unforeseen circumstances. Effluent from outfall D001 exits the north settling pond and discharges to an unnamed ditch connected to an unnamed swamp and thence to Cabbage Creek. Effluent from outfall D002 exits the south settling pond and discharges to Cabbage Creek downstream from outfall D001.

EFFLUENT DISPOSAL:

Land Application:

Discharge to ground waters of the state occurs in the settling ponds through percolation. However, a ground water monitoring exemption was granted by the Department in June 5, 2001, and this exemption is hereby extended with effective of this permit.

Surface Water Discharge:

Two existing discharges through outfalls D001 and D002 to Cabbage Creek (Class III Fresh Waters). The total discharge shall be limited to 5.33 MGD monthly average flow and 8.18 MGD daily maximum.

D001 consists of two 20-inch diameter pipes with flow control gates at a discharge elevation of 79.45 ft., and is located approximately at latitude 29° 36' 05" N, longitude 81° 57' 14" W. D001 is identified as site-ID 3154X13492.

D002 is a single 20-inch diameter pipe with a flow control gate at a discharge elevation of 77.00 ft., and is located at latitude 29° 35' 20" N, longitude 81° 56' 51" W. D002 is identified as site-ID 3154X13494.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions as set forth in Part I through Part VIII on pages 3 through 15 of this permit.

FACILITY: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525

PERMITTEE: Edgar Minerals, Inc.

ISSUANCE DATE: January 16, 2007

EXPIRATION DATE: January 15, 2012

REVISION 1st DATE: October 16, 2008**I. Effluent Limitations and Monitoring Requirements****A. Surface Water Discharges**

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-001. Such discharge shall be limited and monitored by the permittee as specified below. If there is no discharge during the week or month, sampling is not required for that week or month.

Parameters (units)	Discharge Limitations			Monitoring Requirements		
	Monthly Average	Daily Maximum	Daily Minimum	Monitoring Frequency	Sample Type	Sample Point
Flow, Combined (D001 + D002) (MGD)	5.33	8.18	--	Continuous	Recorder	CAL-1
Flow (MGD)	Report	Report	--	Continuous	Recorder	FLW-1
pH (SU)	--	8.5	6.0	Monthly	Grab	EFF-1
Solids, Total Suspended (mg/L) ¹	--	45.0	--	Monthly	Grab	EFF-1
Turbidity (NTU)	32.5	Report	--	Weekly	Grab	EFF-1

2. Effluent samples shall be taken at the monitoring site locations listed in permit condition I.A.1 and as described below:

Sample Point	Description of Monitoring Location
CAL-1	Calculated Value. Combined flow from FLW-1 and FLW-2
FLW-1	At Flow Recorder for outfall D001
EFF-1	Effluent to outfall D001, prior to mixing with receiving waters at end of manmade ditch. Site ID 3154X13492.

3. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-002. Such discharge shall be limited and monitored by the permittee as specified below. If there is no discharge during the week or month, sampling is not required for that week or month.

Parameters (units)	Discharge Limitations			Monitoring Requirements		
	Monthly Average	Daily Maximum	Daily Minimum	Monitoring Frequency	Sample Type	Sample Point
Flow (MGD)	Report	Report	--	Continuous	Recorder	FLW-2

¹Effluent

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
 ISSUANCE DATE: January 16, 2007
 EXPIRATION DATE: January 15, 2012
 REVISION 1st DATE: October 16, 2008

Parameters (units)	Discharge Limitations			Monitoring Requirements		
	Monthly Average	Daily Maximum	Daily Minimum	Monitoring Frequency	Sample Type	Sample Point
pH (SU)	--	8.5	6.0	Monthly	Grab	EFF-2
Solids, Total Suspended (mg/L) ²	--	45.0	--	Monthly	Grab	EFF-2
Turbidity (NTU)	32.5	Report	--	Weekly	Grab	EFF-2

4. Effluent samples shall be taken at the monitoring site locations listed in permit condition I.A.3 and as described below:

Sample Point	Description of Monitoring Location
FLW-2	At Flow Recorder for outfall D002
EFF-2	Effluent to Outfall D002, prior to mixing with waters of Cabbage Creek. Site ID: 3154X13494

5. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee shall monitor Cabbage Creek as specified below:

Parameters (units)	Discharge Limitations			Monitoring Requirements		
	Monthly Average	Daily Maximum	Daily Minimum	Monitoring Frequency	Sample Type	Sample Point
pH (SU)	--	Report	Report	Monthly	Grab	SWD-1
Solids, Total Suspended (MG/L)	--	Report	--	Monthly	Grab	SWD-1
Turbidity (NTU)	--	Report	--	Monthly	Grab	SWD-1

6. Effluent samples shall be taken at the monitoring site locations listed in permit condition I.A.5 and as described below:

Sample Point	Description of Monitoring Location
SWD-1	In Cabbage Creek immediately downstream of the intersection with SR 20A. The samples shall be collected at just below the water depth.

7. There shall be no discharge of floating solids or visible foam in other than trace amounts.
8. The discharge shall not cause a visible sheen on the receiving water.

²Effluent

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

B. Underground Injection Control Systems

1. This section is not applicable to this facility.

C. Land Application Systems

1. There is no land application system other than percolation from the two settling ponds.

D. Other Methods of Disposal or Recycling

1. There shall be no discharge of industrial wastewater from this facility to ground or surface waters, except as authorized by this permit.

E. Other Limitations and Monitoring and Reporting Requirements

1. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantification limits), which is titled "Florida Department of Environmental Protection Table as Required By Rule 62-4.246(4) Testing Methods for Discharges to Surface Water" is available at <http://www.dep.state.fl.us/labs/guidance/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
 - a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
 - b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide a MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
 - c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantification limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs and PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is in accordance with 40 CFR 136.

2. Parameters which must be monitored as a result of a surface water discharge shall be analyzed using a sufficiently sensitive method to assure compliance with applicable water quality standards and effluent limitations in accordance with 40 CFR Part 136. All monitoring shall be representative of the monitored activity.
3. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Northeast District Office Discharge Monitoring Reports (DMRs) in accordance

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

with the frequencies specified by the REPORT type (i.e., monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. For those months that where there is no discharge, "No Discharge" shall be indicated on the DMR for reporting purposes.

REPORT Type on DMR	Monitoring Period	DMR Due Date
Monthly	first day of month – last day of month	28 th day of following month
Quarterly	January 1 - March 31 April 1 – June 30 July 1 – September 30 October 1 – December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 – June 30 July 1 – December 31	July 28 January 28
Annual	January 1 – December 31	January 28

DMRs shall be submitted for each required monitoring period including months of no discharge.

The permittee shall make copies of the attached DMR form(s) and shall submit the completed DMR form(s) to the Department at the address specified below:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

4. Unless specified otherwise in this permit, all reports and notifications required by this permit, including twenty-four hour notifications, shall be submitted to or reported to the Northeast District Office at the address specified below:

Florida Department of Environmental Protection
Attn.: Industrial Wastewater Section
Suite 200B, 7825 Baymeadows Way
Jacksonville, FL 32256-7590

Phone Number - (904) 807-3300

FAX Number - (904) 448-4366 (All FAX copies shall be followed by original copies.)

5. All reports and other information shall be signed in accordance with requirements of Rule 62-620.305, F.A.C.
6. The permittee shall provide safe access points for obtaining representative samples which are required by this permit.
7. If there is no discharge from the facility on a day scheduled for sampling, the sample shall be collected on the day of the next discharge.
8. Any bypass of the treatment facility which is not included in the monitoring specified in sections I.A, I.B, I.C, or I.D, is to be monitored for flow and all other required parameters. For parameters other than flow, at least one grab sample per day shall be monitored. Daily flow shall be monitored or estimated, as appropriate, to obtain reportable data. All monitoring results shall be reported on the appropriate DMR.

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525

ISSUANCE DATE: January 16, 2007

EXPIRATION DATE: January 15, 2012

REVISION 1st DATE: October 16, 2008

II. Industrial Sludge Management Requirements

A. Basic Management Requirements

1. Management of sludges generated by the treatment of industrial wastewater at this facility is Class I solid waste landfill.
2. The permittee shall be responsible for proper treatment, management, use or land application of its sludges.
3. Disposal of sludge in a solid waste management facility permitted by the Department shall be in accordance with the requirements of Chapter 62-701, F.A.C. Storage, transportation, and disposal of sludge/solids characterized as hazardous waste shall be in compliance with requirements of Chapter 62-730, F.A.C.
4. The permittee shall keep records of the amount of sludge disposed, transported, or incinerated in dry-tons/day. If a person other than the permittee is responsible for sludge transporting, disposal, or incineration, the permittee shall also keep the following records:
 - a. name, address and telephone number of any transporter, and any manifests or bill of lading used;
 - b. name and location of the site of disposal, treatment or incineration;
 - c. name, address, and telephone number of the entity responsible for the disposal, treatment, or incineration site.

III. Ground Water Monitoring Requirements

1. Ground water monitoring for this facility is exempted by the Department.

IV. Other Land Application Requirements

1. This section is not applicable to this facility.

V. Operation and Maintenance Requirements

A. Treatment and Disposal Facilities

1. The permittee shall ensure that the operation of this facility is as described in the application and supporting documents.
2. The operation of the pollution control facilities described in this permit shall be under the supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control.

B. Record keeping Requirements:

1. The permittee shall maintain the following records on the site of the permitted facility and make them available for inspection:
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports, other than those required in items a. and f. of this section, required by the permit for at least three years from the date the report was prepared, unless otherwise specified by Department rule;
 - c. Records of all data, including reports and documents used to complete the application for the permit for at least three years from the date the application was filed, unless otherwise specified by Department rule;

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525

ISSUANCE DATE: January 16, 2007

EXPIRATION DATE: January 15, 2012

REVISION 1st DATE: October 16, 2008

- d. A copy of the current permit;
- e. A copy of any required record drawings;
- f. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date on the logs or schedule.

VI. Schedules

1. A Best Management Practices (BMP) Plan shall be prepared and implemented in accordance with Part VII of this permit and the following schedule:

Action Item		Scheduled Completion Date
1	Continue Implementing Existing BMP Plan	Issuance Date of Permit

2. The permittee shall achieve compliance with the other conditions of this permit as follows:

Operational level attained Issuance Date of permit

3. No later than 14 calendar days following a date identified in the above schedule(s) of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by an identified date, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

VII. Other Specific Conditions

A. Specific Conditions Applicable to All Permits

- 1. Drawings, plans, documents or specifications submitted by the permittee, not attached hereto, but retained on file at the Northeast District Office, are made a part hereof.
- 2. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.) F.S., applicable portions of reports to be submitted under this permit, shall be signed and sealed by the professional(s) who prepared them.
- 3. This permit satisfies Industrial Wastewater program permitting requirements only and does not authorize operation of this facility prior to obtaining any other permits required by local, state or federal agencies.
- 4. The permittee shall provide verbal notice to the Department as soon as practical after discovery of a sinkhole within an area for the management or application of wastewater or sludge. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department in a written report within 7 days of the sinkhole discovery.

B. Specific Conditions Related to Construction

1. This section is not applicable to this facility.

C. Duty to Reapply

1. The permittee shall apply for renewal of this permit at least 180 days before the expiration date of the permit using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. The existing permit shall not expire until the Department has taken final action on the application renewal in accordance with the provisions of 62-620.335(3) and (4), F.A.C.

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

D. Specific Conditions Related to Best Management Practices

1. BMP Plan:

For purposes of this part, the terms "pollutant" or "pollutants" refer to any substance listed as toxic under Section 307(a)(1) of the Clean Water Act (the "Act"), oil, as defined in Section 311(a)(1) of the Act, and any substance listed as hazardous under Section 311 of the Act. The permittee shall develop and implement a Best Management Practices (BMP) plan which prevents, or minimizes, the potential for the release of pollutants from ancillary activities, including material storage areas; plant site runoff; in-plant transfer, process and material handling areas; loading and unloading operations; and sludge and waste disposal areas, to the waters of the State through plant site runoff; spillage or leaks; sludge or waste disposal; or drainage from raw material storage.

2. Implementation:

The BMP plan shall be developed and implemented in accordance with the schedule contained in Part VI of this permit.

3. General Requirements:

The BMP plan shall:

- a. Be documented in narrative form, and shall include any necessary plot plans, drawings or maps.
- b. Establish specific objectives for the control of pollutants.
 - (1) Each facility component or system shall be examined for its potential for causing a release of significant amounts of pollutants to waters of the State due to equipment failure, improper operation, natural phenomena such as rain or snowfall, etc.
 - (2) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural conditions (e.g., precipitation), or other circumstances to result in significant amounts of pollutants reaching surface waters, the plan should include a prediction of the direction, rate of flow, and total quantity of pollutants which could be discharged from the facility as a result of each condition or circumstance.
- c. Establish specific best management practices to meet the objectives identified under paragraph b. of this subsection, addressing each component or system capable of causing a release of significant amounts of pollutants to the waters of the State, and identifying specific preventative or remedial measures to be implemented.
- d. Be reviewed by plant engineering staff and plant manager.

4. Documentation:

The permittee shall maintain the BMP plan at the facility and shall make the plan available to the Department upon request.

5. BMP Plan Modification:

The permittee shall amend the BMP plan whenever there is a change in the facility or change in the operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of pollutants.

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

6. Modification for Ineffectiveness:

If the BMP plan proves to be ineffective in achieving the general objective of preventing the release of significant amounts of pollutants to surface waters and the specific objectives and requirements under paragraphs b. and c. of item 3, the permit shall be subject to modification pursuant to rule 62-620.325, F.A.C., to incorporate revised BMP requirements.

E. Specific Conditions Related to Existing Manufacturing, Commercial, Mining, and Silviculture Wastewater Facilities or Activities

1. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe:
 - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels
 - (1) One hundred micrograms per liter,
 - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter for antimony, or
 - (3) Five times the maximum concentration value reported for that pollutant in the permit application.
 - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels
 - (1) Five hundred micrograms per liter,
 - (2) One milligram per liter for antimony, or
 - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.

F. Reopener Clause

1. The permit shall be revised, or alternatively, revoked and reissued in accordance with the provisions contained in Rules 62-620.325 and 62-620.345, F.A.C., if applicable, or to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standards, limitations, or water quality standards so issued or approved:
 - a. Contains different conditions or is otherwise more stringent than any condition in the permit/or;
 - b. Controls any pollutant not addressed in the permit.

The permit as revised or reissued under this paragraph shall also contain any other requirements of the Act then applicable.
2. The permit may be reopened to adjust effluent limitations or monitoring requirements should future Water Quality Based Effluent Limitation determinations, water quality studies, DEP approved changes in water quality standards, or other information show a need for a different limitation or monitoring requirement.
3. The Department may develop a Total Maximum Daily Load (TMDL) during the life of the permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL.

VIII. General Conditions

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525

ISSUANCE DATE: January 16, 2007

EXPIRATION DATE: January 15, 2012

REVISION 1st DATE: October 16, 2008

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, F.S. Any permit noncompliance constitutes a violation of Chapter 403, F.S., and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1), F.A.C.]*
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 constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2), F.A.C.]*
3. As provided in subsection 403.087(7), 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 authorize any infringements of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3), F.A.C.]*
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. *[62-620.610(4), F.A.C.]*
5. This permit does not relieve the permittee from liability and penalties 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; 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. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5), F.A.C.]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6), F.A.C.]*
7. The permittee shall at all times 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. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7), F.A.C.]*
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8), F.A.C.]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.*[62-620.610(9), F.A.C.]*

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

10. 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 as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10), F.A.C.]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11), F.A.C.]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, 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. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12), F.A.C.]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13), F.A.C.]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the Department approves the transfer. *[62-620.610(14), F.A.C.]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15), F.A.C.]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rule 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Wastewater Permitting at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16), F.A.C.]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.*[62-620.610(17), F.A.C.]*
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

- b. If the permittee monitors any contaminate more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
 - e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
 - f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220 and 62-160.330, F.A.C.
[62-620.610(18), F.A.C.]
19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19), F.A.C.]*
20. The permittee shall report to the Department's Northeast District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- a. The following shall be included as information which must be reported within 24 hours under this condition:
 - (1) Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 - (4) Any unauthorized discharge to surface or ground waters.
 - b. Oral reports as required by this subsection shall be provided as follows:
 - (1) For unauthorized releases or spills of untreated or treated wastewater reported pursuant to subparagraph a.(4) that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Warning Point:
 - (a) Name, address, and telephone number of person reporting;
 - (b) Name, address, and telephone number of permittee or responsible person for the discharge;
 - (c) Date and time of the discharge and status of discharge (ongoing or ceased);
 - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - (e) Estimated amount of the discharge;
 - (f) Location or address of the discharge;

FACILITY: Edgar Minerals, Inc.

PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

- (g) Source and cause of the discharge;
- (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
- (i) Description of area affected by the discharge, including name of water body affected, if any; and
- (j) Other persons or agencies contacted.

(2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.(1) above, shall be provided to Department's Northeast District Office within 24 hours from the time the permittee becomes aware of the circumstances.

- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Northeast District Office shall waive the written report.

[62-620.610(20), F.A.C.]

- 21. The permittee shall report all instances of noncompliance not reported under Conditions VIII.17., 18. and 19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Condition VIII.20. of this permit. [62-620.610(21), F.A.C.]

22. Bypass Provisions.

- a. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:

- (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
- (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and
- (3) The permittee submitted notices as required under Condition VIII.22.b. of this permit.

- b. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Condition VIII.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.

- c. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Condition VIII.22 a.(1) through (3) of this permit.

- d. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provision of Condition VIII.22.a. through c. of this permit.

[62-620.610(22), F.A.C.]

23. Upset Provisions

- a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:

- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
- (2) The permitted facility was at the time being properly operated;
- (3) The permittee submitted notice of the upset as required in Condition VIII.20. of this permit; and

FACILITY: Edgar Minerals, Inc.

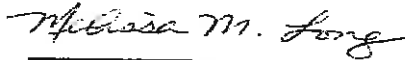
PERMITTEE: Edgar Minerals, Inc.

PERMIT NUMBER: FL0028525
ISSUANCE DATE: January 16, 2007
EXPIRATION DATE: January 15, 2012
REVISION 1st DATE: October 16, 2008

- (4) The permittee complied with any remedial measures required under Condition VIII.5. of this permit.
- b. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- c. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.
[62-620.610(23), F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Melissa M. Long, P.E.
Water Facilities Administrator

RECEIVED
DEC 16 1999

EPB DIV.

ENVIRONMENTAL RESOURCE PERMIT

PERMITTEE/AUTHORIZED ENTITY:

The Feldspar Corporation
EPK Clay Division
Post Office Box 8
Edgar, Florida 32149

Permit/Authorization No. 0137511-001

Date of Issue: December 14, 1999

Expiration Date: January 30, 2017

County: Putnam

Project: Edgar Mine

AGENT:

Richard Southerland
The Feldspar Corporation
Post Office Box 8
Edgar, Florida 32149

This permit is issued under the authority of Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, Florida Administrative Code (F.A.C.). The activity is not exempt from the requirement to obtain an Individual Environmental Resource Permit. Pursuant to Operating Agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing and taking final agency action on this activity.

This permit also constitutes certification compliance with water quality standards under Section 404 of the Clean Water Act, 33 U.S.C. 1344.

A copy of this authorization also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency. You are hereby advised that authorizations also may be required by other federal, state, and local entities. This authorization does not relieve you from the requirements to obtain all other required permits and authorizations.

The above named permittee is hereby authorized to construct the work 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. **This permit is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the attached General Conditions and Specific Conditions, which are a binding part of this permit.** You are advised to read and understand these drawings and conditions prior to commencing the

authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and with the general and specific conditions of this permit/certification, as specifically described below.

ACTIVITY DESCRIPTION:

The activity is for the continuation of clay (kaolin) and sand mining at a 2,560-acre mine until January 30, 2017. The total area served by the system is 2,560 acres. During that time, an additional 138 acres may be disturbed/mined by mining operations on the east and west side of Cabbage Creek. The kaolinitic sand will be mined via an electric hydraulic dredge to a depth of approximately 40 feet below the level of the floating dredge. Water from the sand plant is mostly recycled as process water. Water is released through either the North Pit or South Pit after polishing into the headwater of Cabbage Creek. The discharge into Cabbage Creek operates under National Pollutant Discharge Elimination System (NPDES) Permit Number FL0028525. There are approximately 65.08 acres of forested wetlands and 22.12 acres of herbaceous wetlands in the project area. Mitigation for two herbaceous wetlands (totaling 4.59 acres) labeled WL-1 (2.35 acres) and WL-2 (2.24 acres) is required. There will be offsite mitigation. The Feldspar Corporation will be providing funds for the Orange Creek Restoration Project operated by the St. John's River Water Management District. Buffers will be used to prevent impacts to wetlands WL-3 through WL-13. A hydrologic monitoring plan is required. The conclusion of this permit will not coincide with the closure of the sand mine. This permit is replacing the Management and Storage of Surface Waters (MSSW) Permit No. MS54-180490 which was issued by the Department on October 1, 1990, and expired October 1, 1995. Storm events of lesser magnitude than 25-year, 24-hour storm will be retained on site. The post reclamation land cover is 377.18 acres of pine flatwoods, 240.32 acres of lake, 65.08 acres of mixed wetland forest, 22.12 acres of herbaceous wetland, 1.65 acres of shrub and brushland, and 0.1 acres of mixed forest.

LOCATION:

The project is located adjacent to County Road 20A, in Sections 24, 25, 26, 35, and 36, in Township 10 South, Range 23 East, and in Sections 30, 31, and 32, Township 10 South, Range 24 East, in the community of Edgar, Putnam County.

GENERAL CONDITIONS:

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.
4. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988), which are incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
5. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.
6. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the Department on an annual basis utilizing an Annual

Status Report Form No. 62-343.900(4), F.A.C. These forms shall be submitted during December of each year.

7. For those systems which will be operated or maintained by an entity which will require an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters, must be submitted to the Department for approval. Documents meeting the requirements set forth in these subsections of the Applicant's Handbook will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or the Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the Department when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.
8. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.
9. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing "Environmental Resource Permit As Built Certification by a Registered Professional" (Form No. 62-343.900(5) supplied with this permit). When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the Department. Submittal of the completed form shall serve to notify the Department that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or

review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:

- a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;
 - b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;
 - c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;
 - d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;
 - e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;
 - f. Existing water elevation(s) and the date determined; and
 - g. Elevation and location of benchmark(s) for the survey.
10. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph (8) above, has submitted a "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form No. 62-343.900(7) F.A.C.), the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department in accordance with subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters, accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such an approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible approved operation and maintenance entity, if different from the permittee. Until the permit is transferred pursuant to section 7.1 of the Applicant's Handbook: Management and Storage of Surface Waters, the permittee shall be liable for compliance with the terms of the permit.

11. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the Department of the changes prior to implementation so that a determination can be made whether a permit modification is required.
12. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40C-4 or Chapter 40C-40, F.A.C.
13. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
14. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under Section 373.421(2), F.S., provides otherwise.
16. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Section 40C-1.612, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
17. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.

18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department.
19. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIFIC CONDITIONS:

1. The permittee is hereby advised that Florida law states: "No person shall commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Department of Environmental Protection under Chapter 253, F.S., until such person has received from the Board of Trustees of the Internal Improvement Trust Fund the required lease, license, easement, or other form of consent authorizing the proposed use." Pursuant to Chapter 18-14, F.A.C., if such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense.
2. The permittee shall submit all reports and notifications required by this permit to the Bureau of Mine Reclamation, 2051 East Dirac Drive, Tallahassee, Florida, 32310-3760.
3. Annual narrative reports shall be submitted to the Department by December 1, as part of the monitoring reports. The first annual report is due December 1, 2000, and shall identify work completed since the issuance of the permit. Each report shall include the following information:
 - a. The date permitted activity began;
 - b. A brief description of the extent of the work completed during the previous 12 months;
 - c. Copies of the permit drawings showing where work occurred during the previous 12 months;
 - d. A brief description of the work anticipated during the next 12 months; and
 - e. Copies of the permit drawings showing where work will occur during the next 12 months.
4. The permittee shall prevent hydrologic degradation to wetlands other than WL-1 and WL-2. Buffers will be used to prevent impacts to wetlands WL-3 through WL-13. The wetlands are shown on attached Exhibit MM. At a minimum, an upland to wetland acreage ratio of 1.5:1 will be used. This means that for each acre of wetland to be

protected, 1.5 adjacent acres of upland watershed needs to be provided. (This does not have a straightforward translation to linear distance, as the watershed needs to be connected only by a stable flowway.) If monitoring or other hydrologic data indicate hydrologic impacts to any adjacent wetlands, the permittee shall provide a plan for corrective action within 30 days to the Department.

5. Turbidity must be controlled to prevent violations of water quality in wetlands and surface waters, pursuant to paragraph 62-302.510(5)(r), F.A.C. Turbidity shall not exceed 29 Nephelometric Turbidity Units (N.T.U.) above natural background conditions. Turbidity barriers must be installed at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to proposed work. Turbidity barriers shall remain in place and be maintained at all locations until areas disturbed by mining operations and material piles are vegetated and stabilized. Until final completion of the project and reasonable assurance that the project is no longer a potential turbidity source, the permittee will be responsible for the removal of the barriers. This condition does not apply to the mine pit being constructed pursuant to this permit.
6. The following measures shall be taken immediately by the permittee whenever the water quality levels at a monitoring station exceeds state water quality standards established pursuant to Chapter 62-302, F.A.C.:
 - a. cease all work contributing to the water quality violation;
 - b. modify the work procedures that were responsible for the violation, and repair any non-functioning containment devices;
 - c. notify the Department of the time the violation is first detected, the extent of the violation, and the corrective measures that have been and will be implemented.
 - d. This notice shall be provided before the end of the next business day; and continue monitoring at 8-hour intervals until samples no longer exceed water quality standards.
 - e. If turbidity levels exceed water quality standards, the permittee shall install and maintain additional sediment and turbidity control devices within the water discharge swale. This shall include staked hay bale barriers, staked filter cloth barriers, and other turbidity control devices, as necessary, to prevent future violations of the state water quality standards.
7. As a minimum, the permittee shall comply with the Gopher Tortoise Policy as shown on Exhibit BB. Although an individual is named at the Fish and Wildlife Conservation Commission (formerly called the Florida Game and Fresh Water Fish Commission) on Exhibit BB, the person to be contacted at the Fish and Wildlife Conservation

Commission (FWCC) shall be the agency's staff responsible for gopher tortoise management. If FWCC guidelines change, the permittee shall use the guidelines that are in effect at the time when the gopher tortoise(s) survey, moving, relocation, etc. occur. If other listed species are observed within proposed mining areas during the tortoise surveys, the appropriate office within the FWCC shall be informed and consulted with.

8. The permittee shall submit to the Department within 30-days of September 26, 2002, a letter or other documentation from the U.S. Army Corp. of Engineers (USACOE) stating whether or not the project is exempt from needing the USACOE permit.
9. Upon cessation of mining operations, all wells will be plugged with concrete from the surface to 20 feet below the existing (at that time) groundwater table elevation.
10. Conditions found in Consumptive Use Permit (CUP) 7882 for this mine, issued May 11, 1999, and any subsequent modifications to that permit are part of the conditions for this permit.
11. No mining shall occur within 100 feet of either side of the high-pressure 2-inch Florida Gas Transmission line that is buried on the mine.
12. All temporary control structures listed on Exhibit LLL and depicted on Exhibit OOO (as received on February 19, 1998) will be removed when no longer required for operation of the mine. Removal plans shall be submitted to the Department six (6) months prior to planned removal of the pipes and structures. A request to leave any structures or pipes in place will be submitted along with the reason for leaving the structure(s) or pipe(s).
13. When mining operations cease, the shoreline shall be stabilized and vegetated with at least three (3) species of native wetland plants. Native wetland plants are species that are listed as aquatic, obligate, or facultative wet species in Chapter 62-340, F.A.C. These plants must be native to Putnam County but they shall not be nuisance species which have the potential to dominate disturbed or created plant communities and form large vegetative colonies.
14. Mining operations shall be conducted within the boundaries of the mining plan as shown on attached Exhibit MM, Mining Plan 1997-2017.
15. The permittee shall mitigate for impacts to isolated wetlands labeled WL-1 (2.35 acres) and WL-2 (2.24 acres). The wetlands are shown on attached Exhibit MM. This mitigation shall be primarily in the form of offsite mitigation that will occur at the Orange

Creek Restoration Project (OCRCP). The Feldspar Corporation is to provide \$184,500 for the preservation and restoration of this area being managed by the St. John's River Water Management District (SJRWMD). This project involves the complete removal of approximately 10,000' of the levee, restoring approximately 18 acres of wetland by removal of the spoil mound and filling the adjacent ditch system to natural grade, and the creation of 10-12 islands (totaling 2 acres) shaped from the levee to serve as roosting, loafing, and nesting habitat for wetland dependent wildlife. Upon issuance of this permit, the permittee will present within 30 days an initial payment of \$34,500 to SJRWMD to pay for land, administrative cost, and land management cost with the remaining funds (\$150,000) secured by an irrevocable letter of credit to SJRWMD. The funds shall be specifically used for the OCRCP.

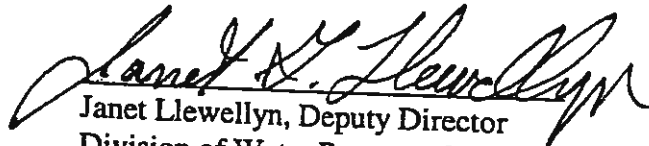
MONITORING CONDITIONS:

1. The hydrologic monitoring plan will consist of six piezometers in wetlands, six piezometers in buffer areas, and two staff gauges as shown on P.E. signed and sealed Exhibit TTT-2 as received on December 10, 1998. All water levels should be measured on the same day of each week and recorded weekly from piezometer/staff gauges. A tabular and graphical comparison of wetland water levels and minepit water levels with rainfall data should be provided in the annual report to the Department. On-site rainfall will be measured daily, if possible. A discussion of rainfall influences/trends and hydrologic/biologic indicators of positive or negative wetland impacts should be included in the report. Any indicator of significant detrimental impacts to nearby wetlands shall be reported to the Bureau of Mine Reclamation within 24 hours of the noticed impact.
2. If any federal, state, or local permit requires water quality monitoring, in addition to the above hydrologic monitoring required for this permit, the permittee shall provide copies of the monitoring reports to the Department. The permittee shall comply with all water quality monitoring requirements of these other permits. The permittee shall provide to the Department copies of applications for new or modified permits which will involve water quality monitoring. The content and schedule of the monitoring reports shall be as required by the agency approving the permit.

The Feldspar Corporation
EPK Clay Division
File No. 0137511-001
Page 11

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Janet Llewellyn, Deputy Director
Division of Water Resource Management

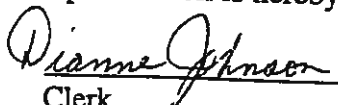
Copies furnished to:
DEP, Central District Office
U.S. Army Corps of Engineers, Jacksonville
St. John's River Water Management District
File

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this permit, including all copies, were mailed before the close of business on December 14, 1999 to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date pursuant to 120.52(9),
Florida Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.


Clerk 12-14-99
Date

Prepared by: Lou Neuman

Attached: 17 pages

PERMIT NO. 7882
PROJECT NAME: EPK Clay Division

DATE ISSUED: MARCH 13, 2001

A PERMIT AUTHORIZING:

This permit authorizes the following uses at a 2,487-acre clay and sand mine in Putnam County. Florida aquifer ground water: (a) 55.7 million gallons of ground water from the Floridan aquifer via one existing well from May 11, 1999 through December 31, 1999 for commercial/industrial and household use; (b) 86.4 million gallons per year of ground water from the Floridan aquifer via one existing well for commercial/industrial and household use for the years 2000 through 2019; and (c) maximum daily use of 0.720 million gallons of ground water from the Floridan aquifer for essential use. Surface water from the on-site dredge lake: (a) 434.8 million gallons of surface water from May 11, 1999 through December 31, 1999; (b) 337.7 million gallons of surface water in 2000; (c) 78.8 million gallons per year of surface water in 2001 through 2003, 2007, and 2009; (d) 0.0 million gallons per year of surface water in 2005-2006, 2008, and 2010-2018 for commercial/industrial use at the mine; and (e) 26 million gallons per year of surface water from 2000 through 2018 for emergency backup for commercial/industrial purposes only in the event of equipment failure.

LOCATION:

Site:	Feldspar	Putnam County	
Section(s):	24, 25, 26, 35, 36 30, 31	Township(s)	10S 10S
		Range(s):	23E 24E

ISSUED TO:

The Feldspar Corporation
P O Box 8
Interlachen, FL 32149

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims or liabilities, which may arise from permit issuance. Said application, including all maps and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to permittee any property rights nor any rights of privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes and 40C-1, Florida Administrative Code.

PERMIT IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated March 13, 2001

AUTHORIZED BY: St. Johns River Water Management District
Department of Resource Management

BY:

Hal Wilkening
Director

By:

Henry Dean
Assistant Secretary

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 7882
THE FELDSPAR CORPORATION
DATED MARCH 13, 2001

1. District Authorized staff, upon proper identification, will have permission to enter, inspect and observe permitted and related facilities in order to determine compliance with the approved plans, specifications and conditions of this permit.
2. Nothing in this permit should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Section 373.175, Florida Statutes, or to formulate a plan for implementation during periods of water shortage, pursuant to Section 373.246, Florida Statutes. In the event a water shortage, is declared by the District Governing Board, the permittee must adhere to the water shortage restriction as specified by the District, even though the specified water shortage restrictions may be inconsistent with the terms and conditions of this permit.
3. Prior to the construction, modification, or abandonment of a well, the permittee must obtain a Water Well Construction Permit from the St. Johns River Water Management District, or the appropriate local government pursuant to Chapter 40C-3, Florida Administrative Code. Construction, modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification or abandonment is other than that specified and described on the consumptive use permit application form.
4. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.
5. Legal uses of water existing at the time of the permit application may not be interfered with by the consumptive use. If unanticipated interference occurs, the District may revoke the permit in whole or in part to curtail or abate the interference unless the permittee mitigates for the interference. In those cases where other permit holders are identified by the District as also contributing to the interference, the permittee may choose to mitigate in a cooperative effort with these other permittees. The permittee must submit a mitigation plan to the District for approval prior to implementing such mitigation.
6. Off-site land uses existing at the time of permit application may not be significantly adversely impacted as a result of the consumptive use. If unanticipated significant adverse impacts occur, the District shall revoke the permit in whole or in part to curtail or abate the adverse impacts, unless the impacts can be mitigated by the

permittee.

7. The District must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a well or facility from which the permitted consumptive use is made or within 30 days of any transfer of ownership or control of the real property at which the permitted consumptive use is located. All transfers of ownership or transfers of permits are subject to the provisions of section 40C-1.612, Florida Administrative Code.
8. A District-issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve or other withdrawal facility as provided by Section 40C-2.401, Florida Administrative Code. Permittee shall notify the District in the event that a replacement tag is needed.
9. Permittee must mitigate any adverse impact caused by withdrawals permitted herein on legal uses of water existing at the time of permit application. The District has the right to curtail permitted withdrawal rates, permitted dewatering, or permitted allocations if the withdrawals of water cause an adverse impact on legal uses of water which existed at the time of permit application. Adverse impacts are exemplified by but not limited to:
 - (a) reduction of well water levels resulting in a reduction of 10% in the ability of an adjacent well to produce water;
 - (b) reduction of water levels in an adjacent surface water body resulting in a significant impairment of the use of water in that water body;
 - (c) saline water intrusion or introduction of pollutants into the water supply of an adjacent water use resulting in a significant reduction of water quality; and
 - (d) change in water quality resulting in either impairment or loss of use of a well or water body.
10. Permittee must mitigate any adverse impact caused by withdrawals permitted herein on adjacent land use which existed at the time of permit application. The District has the right to curtail permitted withdrawal rates, permitted dewatering, or permitted water allocations if the withdrawals of water cause an adverse impact on adjacent land use which existed at the time of permit application. Adverse impacts are exemplified by but not limited to:
 - (a) significant reduction in water levels in an adjacent surface water body;

(b) land collapse or subsidence caused by a reduction in water levels; and

(c) damage to crops and other types of vegetation.

11. All submittals made to demonstrate compliance with this permit must include the CUP number 7882 plainly labeled on the submittal.
12. This permit will expire May 11, 2019.
13. Maximum ground water withdrawals from the Floridan aquifer for commercial/industrial use from May 11, 1999 through December 31, 1999 must not exceed 55.6 million gallons.
14. Maximum annual ground water withdrawals from the Floridan aquifer in 2000 through 2019 for commercial/industrial use must not exceed 86.3 million gallons.
15. Maximum annual ground water withdrawals from the Floridan aquifer for household use must not exceed 0.1 million gallons.
16. Maximum daily ground water withdrawals from the Floridan aquifer for fire protection must not exceed 0.720 million gallons.
17. Maximum annual surface water withdrawals from Joberta Pit (dredge lake) for commercial/industrial use must not exceed:
434.8 million gallons in 1999;
337.7 million gallons in 2000;
78.8 million gallons in 2001-2004;
0.0 million gallons in 2005-2006;
78.8 million gallons in 2007;
0.0 million gallons in 2008; and
78.8 million gallons in 2009.
18. Maximum annual backup surface water withdrawals from Joberta Pit (dredge lake) for commercial/ industrial use from 2000 through 2018 must not exceed 26.0 million gallons. Backup surface water is hereby designated to be surface water withdrawal using pump E during times when off-site discharge into Cabbage Creek is necessary due to equipment failure.
19. The applicant must maintain a record of the use of surface water as a backup source. This record must include the date and time of the occurrence, a complete explanation of why backup surface water was needed, and the amount of

surface water used. This information must be submitted with the semi-annual EN-50 submittals.

20. Well B and surface pump E as listed on the application are equipped with totalizing flow meters. Such meters must maintain 95% accuracy, be verifiable and be installed according to the manufacturer's specifications. Documentation (i.e. manufacturer's specifications and photo) of the proper installation of these meters must be submitted within 30 days of meter placement.
21. Prior to beginning water use, wells A (GRS # 13504), B (GRS # 13505), C (GRS # 13506), and D (GRS # 33074) as listed on the application must be equipped with totalizing flow meters. These flow meter must maintain 95% accuracy, be verifiable and installed according to the manufacturer's specifications. Documentation (i.e. manufacturers specifications and photo) of proper installation of this meter must be submitted within 30 days of meter placement.
22. Total withdrawals from wells A (GRS # 13504), B (GRS # 13505), C (GRS # 13506), D (GRS # 33074) and pump E (GRS # 2424), as listed on the applica-tion, must be recorded continuously, totaled monthly, and reported to the District at least every six months from the initiation of the monitoring using District Form No. EN-50. The reporting dates each year will be as follows:

Reporting Period	Report Due Date
January - June	July 31
July - December	January 31
23. The permittee must maintain all meters. In case of failure or breakdown of any meter, the District must be notified in writing within 5 days of its discovery. A defective meter must be repaired or replaced within 30 days of its discovery.
24. The permittee must have all flow meters checked for accuracy at least once every 3 years within 30 days of the anniversary date of permit issuance, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. District Form No. EN-51 must be submitted to the District within 10 days of the inspection/calibration.
25. The permittee must maintain staff gauges 1C, 2C, and 5C as listed on the application. Lake level data must be taken weekly and submitted to the District every 6 months with the EN-50 forms during the life of this permit.
26. By December 31, 1999, piezometers 1A, 2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, and 7B, as listed on the application, must be installed as specified in the application received February 9, 1999.
27. Proposed piezometers 1A, 2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, and 7B, as

listed on the application, must be used as ground water monitoring wells. Water level data obtained from these wells along with cumulative rainfall data must be taken weekly and submitted to the District every 6 months with the EN-50 forms during the life of this permit.

28. The report required as a condition of the ERP permit that will include tabular and graphical comparisons of hydrologic data and a discussion on hydrologic/biologic indicators must be submitted annually during the life of this permit.
29. The permittee shall submit, to the District, a compliance report pursuant to subsection 373.236(3), F.S., 5, 10, and 15 years from the date of issuance of this permit. Specifically, the permittee shall submit the report by March 31 of 2004, 2009, and 2014. The report shall contain sufficient information to demonstrate that the permittee's use of water will continue, for the remaining duration of the permit, to meet the conditions for permit issuance set forth in the District rules that existed at the time the permit was issued for 20 years by the District. At a minimum, the compliance report must:
 - (a) meet the submittal requirements of section 4.2 of the Applicant's Handbook: Consumptive Uses of Water, January 7, 1999;
 - (b) include an environmental impact analysis using the project's ground water monitoring well and staff gauge information that demonstrates that the use of water authorized herein is not causing unacceptable impacts;
 - (c) provide assurance that the mine progression conforms to the proposed schedule indicated in the RAI response dated February 9, 1999; and
 - (d) provide assurance that the permittee is complying with the proposed mining method as outlined in the RAI response dated February 9, 1999.
30. The lowest quality water source, such as reclaimed water and/or surface/storm water, must be used as commercial/industrial water when deemed feasible pursuant to District rules and applicable state law.



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STORAGE TANK REGULATION PROGRAM

2008-2009

FACILITY ID: 8625914
EDGAR MINERALS INC
651 KEUKA RD
INTERLACHEN FL 32148 PUTNAM COUNTY

****2008-2009 Storage Tank Registration Placard Enclosed ****

EDGAR MINERALS INC

PO BOX 8

EDGAR FL 32149 -

STCM ACCOUNT: 63393

PLACARD NO: 309753

PLACARD ISSUED: 08/08/2008

REGISTRATION PAID: \$ 50

TANK SYSTEMS REGISTERED: 2

STORAGE TANK FACILITY ACCOUNT OWNER: PLEASE RETAIN THE TOP STUB FOR YOUR RECORDS
STORAGE TANK REGISTRATION

This placard certifies that the owner & facility named has complied with the registration requirements for petroleum &/or hazardous substance storage tanks regulated by the FL Department of Environmental Protection. The placard must be placed out of the weather and in plain view of storage tank compliance inspectors entering the facility.

SECONDARY CONTAINMENT INSTALLATION DEADLINES

12-31-2009: Single-wall USTs & UST small diameter piping in contact with the soil must have secondary containment.

01-01-2010: Single-wall field erected ASTs & AST single-wall bulk product piping in contact with the soil must have secondary containment unless deferred by an API 570 Integrity Assessment.

The Department has never issued an extension to an upgrade deadline since the storage tank rules were adopted in 1984. If you have questions about these or other deadlines - or need general technical assistance - consult Rule 62-761, F.A.C., or contact a storage tank inspector from the DEP district office, or from the local storage tank program office for your county.

DEPARTMENT OF ENVIRONMENTAL PROTECTION IS ON THE INTERNET

Web address for DEP is <http://www.dep.state.fl.us>.

You can access the site for Storage Tank Regulation directly by using: <http://www.dep.state.fl.us/waste/categories/tanks>.

Look under the HIGHLIGHTS section to find links to storage tank rules, forms, database reports and other program information.

EMAIL registration-related questions and comments to: TankRegistration@dep.state.fl.us - or telephone (850) 245-8839.
Registration staff members will assist you with your questions and will respond to you by phone or reply to your email address.

The Storage Tank Registration placard below must be posted at the facility.
It must be placed out of the weather and in plain view of inspectors entering the facility.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STORAGE TANK REGISTRATION PLACARD

2008-2009

FACILITY ID: 8625914

PLACARD NO: 309753

FACILITY: EDGAR MINERALS INC
651 KEUKA RD
INTERLACHEN FL 32148 -
PUTNAM COUNTY

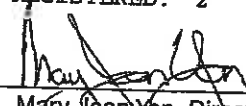
PLACARD ISSUED: 08/08/2008
PLACARD EXPIRES: 06/30/2009

FACILITY TYPE: Fuel user/Non-retail

TANK SYSTEMS REGISTERED: 2

STCM ACCOUNT: 63393

ACCOUNT OWNER: EDGAR MINERALS INC


Mary Jean von, Director
Division of Waste Management
Department of Environmental Protection

**STATE OF FLORIDA
DEPARTMENT OF HEALTH
BUREAU OF RADIATION CONTROL**

RADIOACTIVE MATERIALS LICENSE

Pursuant to Chapter 404, Florida Statutes, and Chapter 64E-5, Florida Administrative Code (F.A.C.), and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to receive, acquire, possess and transfer the radioactive material(s) designated below and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the state of Florida, Department of Health now or hereafter in effect and to any conditions specified below.

Licensee 1. Name: THE FELDSPAR CORPORATION	3. License Number: 1185-1 is hereby renewed in its entirety with reference to application dated December 8, 2006, and Attestation dated December 8, 2006.
2. Address: EPK Clay Division Post Office Box 8 Edgar, FL 32149	4. Expiration Date: 12/31/2011 5. Category: 3L(I)

6. Radioactive Material element and mass number)	7. Chemical And/Or Physical Form	8. Maximum Quantity Licensee May Possess At Any One Time
A. Cesium 137	A. Sealed source (Texas Nuclear Model 570-57157C)	A. 2 sources; not to exceed 200 millicuries each
B. Cesium 137	B. Sealed source (Texas Nuclear Model 696894)	B. 1 source, not to exceed 100 millicuries
C. Cesium 137	C. Sealed source (Texas Nuclear Model 57157C)	C. 2 sources; not to exceed 100 millicuries each

9. Authorized Use
- A. One source to be used in a Texas Nuclear Model 5190 density gauging system to measure sand slurry density at the #2 wet plant and one source used in a Texas Nuclear Model 5034 belt weigh scale gauge to weigh dried clay.
 - B. To be used in a Texas Nuclear Model 5200 or 5201 density gauge to measure sand slurry density.
 - C. To be used in a Texas Nuclear Model 5034 belt weigh scale gauge to weigh sand.

License Number: 1185-1
 Amendment No.: 14
 Control Number: 20061211-1980

LICENSEE COPY

Page 1 of 4 Page(s)

Category: [3L(I)]
 Expiration Date: 12/31/2011a

STATE OF FLORIDA
DEPARTMENT OF HEALTH
BUREAU OF RADIATION CONTROL

CONDITIONS

10. The authorized place of use is the licensee's facility located County Road 20A, Edgar, Florida 32149.
11. Failure to comply with the provisions of this license is a felony of the third degree pursuant to section 404.161, Florida Statutes. Also, violations may warrant an administrative fine of up to \$1,000.00 per violation per day, pursuant to section 404.162, Florida Statutes.
12. A. Licensed materials shall be used by, or under the supervision of Bruce E. Shelar, Mickey R. Matchett, Donald R. McSweeney, or Phillip E. Labert.
B. The radiation safety officer is Phillip E. Labert.
13. The licensee shall comply with the provisions of Chapter 64E-5, F.A.C., Part IX, "Notices, Instructions and Reports to Workers; Inspections" and Part III, "Standards for Protection Against Radiation."
14. The licensee shall not transfer possession or control of radioactive material, or products containing radioactive material as a contaminant except:
A. By transfer to a specifically licensed recipient; or
B. As provided otherwise by specific provision of this license pursuant to the requirements of Chapter 64E-5, F.A.C.
15. Radioactive material transported on public thoroughfares shall be packaged, prepared for shipment and transported in accordance with Title 49, Code of Federal Regulations and Chapter 64E-5, F.A.C.
16. The licensee shall assure that each sealed source is tested for leakage or contamination and follow the appropriate actions as required by section 64E-5.1303, F.A.C. Licensed material shall be tested at least every 6 months. The test sample (smear) shall be taken by the licensee using an approved leak test kit. Analysis of the test sample shall be performed by individuals who are licensed by the department, NRC, agreement state, or licensing state to provide these services. The licensee is required to retain leak test records containing the manufacturer's name, model and serial number of each sealed source tested, identity of each sealed source radionuclide and its estimated activity, the measured activity of each test sample expressed in microcuries, the date of the test and signature of the radiation safety officer or designee. The records shall be maintained for 3 years for inspection by the department.

License Number: 1185-1
Amendment No.: 14
Control Number: 20061211-1980

LICENSEE COPY
Page 2 of 4 Page(s)

Category: [3L(1)]
Expiration Date: 12/31/2011a

STATE OF FLORIDA
DEPARTMENT OF HEALTH
BUREAU OF RADIATION CONTROL

17. The licensee shall conduct a physical inventory and inspection at least every 12 months to account for all sealed sources received and possessed under this license as required by section 64E-5.1304, F.A.C. Inventory records shall be maintained for 3 years from the date of the inventory for inspection by the department, and shall include the manufacturer's name, model and serial numbers of each sealed source, the identity of each sealed source radionuclide and its estimated activity, the location of each sealed source, the date of the inventory and the signature of the radiation safety officer or designee.
18. The source holder shall be locked in the "off" or closed position:
- A. During any manipulation of a gauge, including the source holder or the detector, which involves physical movement of the device or separation from a pipe or vessel including installation, relocation or storage;
 - B. When individuals are working on or adjacent to a gauge during periods of shutdown;
 - C. Whenever an individual enters a vessel in which such a gauge is located; and
 - D. Whenever a vessel with such a gauge is empty and an individual is working around the exterior of the vessel.
19. A. Installation, relocation, maintenance, repair, removal from service, and initial radiation survey of devices containing radioactive materials shall only be performed by, or under the supervision of and in the physical presence of Phillip E. Labert, or other persons specifically licensed by the NRC, a licensing state, or an agreement state to provide these services.
- B. Installation, replacement and disposal of sealed sources containing radioactive materials used in devices shall be performed only by other persons specifically licensed by the NRC, a licensing state, or an agreement state to provide these services.

License Number: 1185-1
Amendment No.: 14
Control Number: 20061211-1980

LICENSEE COPY

Page 3 of 4 Page(s)

Category: [3L(1)]

Expiration Date: 12/31/2011a

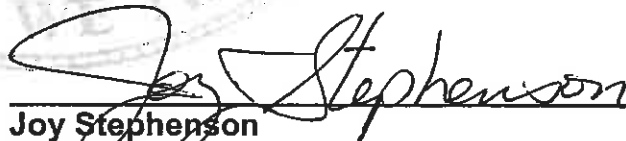
STATE OF FLORIDA
DEPARTMENT OF HEALTH
BUREAU OF RADIATION CONTROL

20. A. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, 8, and 9 of this license in accordance with statements, representations and procedures contained in the licensee's application and Attestation dated December 8, 2006, signed by Phillip E. Labert, Plant Superintendent.
- B. The licensee shall comply with all applicable requirements of Chapter 64E-5, Florida Administrative Code, and these regulations shall supersede the licensee's statements in applications or correspondence, unless the statements are more restrictive than the regulations.

For the Bureau of Radiation Control:

DEC 20 2006

Issuance Date: _____



Joy Stephenson
Environmental Specialist
4052 Bald Cypress Way – Bin C21
Tallahassee, FL 32399-1741
(850) 245-4545

A party whose substantial interest is affected by this order may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. Such proceedings are governed by Rule 28-106, Florida Administrative Code. A petition for administrative hearing must be in writing and must be received by the Agency Clerk for the Department, within twenty-one (21) days from the receipt of this order. The address of the Agency Clerk is: Agency Clerk, 4052 Bald Cypress Way, BIN # A02, Tallahassee, Florida 32399-1703. The Agency Clerk's facsimile number is 850-410-1448. A copy of the petition should also be sent to: Bureau Chief, Bureau of Radiation Control, 4052 Bald Cypress Way, BIN # C21, Tallahassee, FL 32399-1741. The Bureau Chief's facsimile number is 850-487-0435. Mediation is not available as an alternative remedy. Your failure to submit a petition for hearing within 21 days from receipt of this order will constitute a waiver of your right to an administrative hearing, and this order shall become a "final order." Should this order become a final order, a party who is adversely affected by it is entitled to judicial review pursuant to Section 120.68, Florida Statutes. Review proceedings are governed by the Florida Rules of Appellate Procedure. Such proceedings may be commenced by filing one copy of a Notice of Appeal with the Agency Clerk of the Department of Health and a second copy, accompanied by the filing fees required by law, with the Court of Appeal in the appropriate District Court. The notice must be filed within 30 days of rendition of the final order.

License Number: 1185-1
Amendment No.: 14
Control Number: 20061211-1980

LICENSEE COPY
Page 4 of 4 Page(s)

Category: [3L(I)]
Expiration Date: 12/31/2011a



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

August 8, 2008

Regulatory Division
North Permits Branch
Jacksonville Permits Section
SAJ-1997-6420 (NPR-MRE)

Mr. Bruce Shelar
Edgar Minerals
Post Office Box 1059
Davenport, Florida 33836

Dear Mr. Shelar:

Reference your notifying the U.S. Army Corps of Engineers (Corps) of your purchase of property associated with the Department of the Army file number SAJ-1997-6420 (NPR-MRE). The property is located in Sections 24-26, 35, and 36, Township 10 South, Range 23 East; and, Section 30-32, Township 10 South, Range 24 East, Edgar, Putnam County, Florida

We have updated our database records with your contact information. Please be advised, our previous correspondence regarding the referenced property did not authorize work within waters of the United States, as we were advised that all work would be conducted within uplands. A copy of the original correspondence is enclosed.

This letter does not obviate the requirement to obtain any other Federal, State, or local permits that may be necessary for your project. If you have any questions concerning this action, you may contact me in writing at the letterhead address, by electronic mail at mark.r.evans@usace.army.mil, or by telephone at 904-232-2028.

Thank you for your cooperation with our permit program.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark R. Evans", is written over a horizontal line.

Mark R. Evans
Senior Project Manager



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
POST OFFICE BOX 4970
JACKSONVILLE, FLORIDA 32232

REPLY TO
ATTENTION OF

June 6, 2008

Regulatory Division
North Permits Branch
Jacksonville Permits Section
SAJ-1997-6420 (NPR-MRE)

Mr. Bruce Shelar
Imerys Ceramics
Post Office Box 8
Edgar, Florida 32149

Dear Mr. Shelar:

Reference is made to information received on June 5, 2008 (copy enclosed), regarding work proposed at the Feldspar Corporation Edgar Kaolin Sand Mine. The project site is located in Sections 24-26, 35, and 36, Township 10 South, Range 23 East; and, Section 30-32, Township 10 South, Range 24 East, Edgar, Putnam County, Florida.

On September 26, 1997, the U.S. Army Corps of Engineers (Corps) issued correspondence concerning work at this site. The Corps will utilize a file number associated with the previous action, modified to our current nomenclature. This file number is SAJ-1997-6420 (NPR-MRE). Please reference this file number in any future correspondence related to this property.

In your recent submittal, you indicate that work would only occur within uplands; and, that the waters of the United States, including wetlands, encompassed by the property would not be affected in any manner. In consideration of your description of the work proposed, the project will not require a Department of the Army permit in accordance with Section 10 of the Rivers and Harbors Act of 1899 as it will not affect navigable waters of the United States. Furthermore, a permit will not be required in accordance with Section 404 of the Clean Water Act as the project does not incorporate the discharge of dredged or fill material into waters of the United States, including wetlands. Provided the work is done in accordance with the information received, Department of the Army authorization will not be required.

The documents submitted to our office did not include any information associated with a delineation of waters of the United States, including wetlands, at the project site. Therefore, this correspondence does not address the extent of waters of the United States, including wetlands, encompassed by the project site. The Corps conducted a jurisdictional review of the property in 1997. However, that jurisdictional delineation was only valid for 5 years

and, as such, has expired. The Corps encourages you to retain the services of a professional ecologist/biologist with experience delineating Federal jurisdiction to determine the extent of Federal jurisdiction at the project site. Such an action could prevent accidental encroachment into waters of the United States, including wetlands, and any subsequent enforcement action that the Corps would implement.

Your project site may contain species protected by the Endangered Species Act (ESA) of 1972, as amended. You should contact your local U.S. Fish and Wildlife Service (FWS) office to determine if federally listed species or their habitat is present on your project site. If it is determined that federally listed species may be affected by the proposed project, authorization for "incidental take" may be required. The Jacksonville FWS office can be contacted at 904-232-2580.

This letter does not obviate the requirement to obtain any other Federal, State, or local permits that may be necessary for your project. Should you have any questions, please contact me at the letterhead address, by telephone at 904-232-2028, or by electronic mail at mark.r.evans@usace.army.mil.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit the following link and complete our automated Customer Service Survey:

<http://regulatory.usacesurvey.com>

Your input is appreciated - favorable or otherwise.

Sincerely,

Mark R. Evans
Project Manager

Enclosure

**PUTNAM COUNTY
PLANNING & DEVELOPMENT SERVICES**

P. O. Box 1486
Palatka, FL 32178-1486
Email: pzb@putnam-fl.com



Planning / Zoning: 386-329-0316
Building: 386-329-0307
Code Enforcement: 386-329-0463

In FL Toll Free: 1-800-432-0364 (X0310)

March 23, 2007

Mr. Dennis Dzvonik, CSP & CMSP
Zemex
P.O. Box 1960
Greer, SC 29652

RE: Final Development Order - Mining Master Plan Permit Approval -- Feldspar Property

Dear Mr. Dzvonik:

This communication is to provide formal documentation as the Final Development Order for the mining operation requested for the Feldspar property located in the Keuka/ Hawthorne area of Putnam County. The County has received and approved the letter of credit necessary for reclamation of your mining operation. That was the final item necessary from the County perspective to initiate the mining activity as formally approved by the Board of County Commissioners at the public hearing held on March 13, 2007.

Attached please find copies of the Resolution 2007-20, the Preliminary Development Order for the Master Mining Permit (MMP-06-001), and Letter of Credit #849882 for your records.

If the County may be of further assistance, please contact this office at your earliest convenience.

Respectfully;

A handwritten signature in black ink, appearing to read "Lanny Harker", with a long horizontal flourish extending to the right.

Lanny Harker, AICP
Planning Manager

cc: Russ Castleberry, County Attorney
Bruce Shelar, Zemex/ Edgar Operations
File(s)

RESOLUTION NO. 2007- 20
MINING MASTER PLAN PERMIT

WHEREAS, a quasi-judicial hearing was held on March 13, 2007, to consider Application MMP-06-001 for Development Review Including A Mining Master Plan Permit Application; and

WHEREAS, Application MMP-06-001 requested authorization for the Applicant to extend mining operations to two properties totaling 71 +/- acres located southeast of the Edgar area; and

WHEREAS, the County Commission finds the Application to be consistent with applicable regulations of Putnam County, subject to limitations and conditions agreed upon at the hearing and to be set forth in a Preliminary Development Order.

NOW THEREFORE, BE IT RESOLVED by the Putnam County Board of County Commissioners, Putnam County, Florida, in a meeting assembled on the 13th day of March 2007, that the Chairman is authorized to sign a Preliminary Development Order approving Application MMP-06-01 upon the Chairman's determination that the Order accurately reflects the findings, conclusions, and decision of the County Commission on this date.

DONE, ORDERED AND ADOPTED this 13th day of March 2007.

BOARD OF COUNTY
COMMISSIONERS
PUTNAM COUNTY FLORIDA

By: Brad Purcell
Brad Purcell, Chairman

ATTEST:

Tim Smith
Tim Smith, Clerk of Court

BEFORE THE COUNTY COMMISSION**PUTNAM COUNTY, FLORIDA**

IN RE: Application for Development Review Including Mining Master Plan Permit Application

APPLICANT: The Feldspar Corporation

LOCATION: See Application Exhibit A2, Project Boundary

APPLICATION: MMP-06-001

PRELIMINARY DEVELOPMENT ORDER

Applicant and property owner, The Feldspar Corporation, came before the County Commission for Putnam County, Florida, on March 13, 2007, requesting Development Review of a Mining Master Plan Permit Application. After required notice having been given, the County Commission conducted a quasi-judicial hearing with competent substantial testimony and evidence proffered by the Applicant. At the conclusion of the hearing, the County Commission made the following findings and conclusions.

FINDINGS and CONCLUSIONS

1. Section 3.02.31 of the Putnam County Land Development Code requires that a Mining Master Plan Permit be obtained prior to the commencement of mining operations within Putnam County. Pursuant to that section, the County Commission is responsible for conducting the hearing on the application and is to approve, approve with conditions, or deny the Mining Master Plan Permit.
2. The applicant submitted a complete application and supporting documentation for a Mining Master Plan Permit (Permit Application attached hereto as Exhibit A and incorporated herein by reference.)
3. The application for the Mining Master Plan Permit was reviewed by the Development Review Committee on September 27, 2006, and the Committee discussed and forwarded the application to the Board of County Commissioners as required by adopted Code.
4. A staff report was prepared by the Putnam County Planning and Development Services Department which analyzed whether the requirements of the Putnam County Land Development Code would be met by the proposed mining operation. (Staff Report attached hereto as Exhibit B and incorporated herein by reference.)

5. The standards for approval of a Mining Master Plan are in Section 3.02.31 of the Putnam County Land Development Code. Each of these standards has been considered by the County Commission in light of the substantial competent evidence present at the quasi-judicial hearing, including the following:
 - a. The Master Mining Permit Application attached hereto as Exhibit A.
 - b. The Staff Report attached hereto as Exhibit B.
 - c. The factual and expert testimony provided at the quasi-judicial hearing, as well as the public input provided at the hearing.
 - d. The exhibits and other documentary evidence presented at the hearing and made a part of the record herein.
6. The proposed Master Mining Permit, as conditioned herein, promotes the public health, safety, and general welfare of Putnam County, and meets the standards set forth in Section 3.02.31 of the Putnam County Land Development Code. The findings and conclusions contained in the Staff Report, attached hereto as Exhibit B, are incorporated herein by reference and shall be considered as findings and conclusions of the County Commission in this matter.

IT IS THEREFORE ORDERED AND ADJUDGED THAT:

This Preliminary Development Order for the Master Mining Permit Application, MMP-06-01, submitted by The Feldspar Corporation is hereby GRANTED subject to the following conditions:

1. The Applicant shall obtain appropriate permits and approvals from the FDEP, FDOT and any other appropriate State or Federal regulatory agencies, including but not limited to approval of a reclamation plan consistent with the materials submitted as part of the Application.
2. The Applicant shall provide a surety bond, an irrevocable letter of credit, or cash deposit in a form approved by the County Attorney, to insure completion of the approved reclamation plan:
3. The Applicant shall comply with the foregoing conditions and submit a Final Development Plan to the Director or his designee for review and approval within 120 Days of the rendering of this Preliminary Development Order. If this deadline is not met, this Preliminary Development Order shall expire and be of no effect.

4. Except as otherwise specifically set forth herein, the mining operation shall take place in a manner consistent with all site and reclamation plans, and with all descriptions of the proposed mining operation, contained within the Application attached hereto as Exhibit A.
5. A 200-foot "no mineral extraction" buffer will exist between the Williams Tract excavation area and those residences located along the Western boundary.
6. TFC will not conduct overburden removal or land clearing activities during nighttime (between 30-minutes after Sunset to 30-minutes before Sunrise).
7. TFC will not conduct overburden removal or land clearing activities on Saturdays & Sundays.
8. TFC will not conduct overburden removal or land clearing activities on the following Holidays: New Years Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day (Thursday & Friday), Christmas Eve, Christmas Day, or New Years Eve.
9. TFC will increase efforts to insure that loaded railcars and trucks transporting clay and sand products are cleaned off of excess materials before leaving TFC property.
10. TFC will erect appropriate signage in an attempt to improve traffic control for truck drivers and local traffic on-site and along Keuka Road. Local approval and ordinances may apply.
11. TFC will install appropriate silt fencing and/or BMP's (Best Management Practices) for improving erosion and sedimentation control along Keuka Road on TFC's land holdings.

Dated this 13th day of March, 2007.

Board of County Commissioners
Putnam County, Florida

BY: Brad Purcell
Brad Purcell, Chairman

ATTEST:

Tim Smith
Tim Smith, Clerk of Court

**PUTNAM COUNTY
PLANNING & DEVELOPMENT SERVICES**

P. O. Box 1486
Palatka, FL 32178-1486
Fax - 386-329-1213
Email: pzb@putnam-fl.com



Planning: 386-329-0491
Zoning: 386-329-0316
Building: 386-329-0307
Codes Enforcement: 386-329-0317
In FL Toll Free: 1-800-432-0364

FACSIMILE

To: Bruce E. Shelar From: Lanny Harker

Fax No. 352-481-2334 Pages (including cover): 11

Phone: _____ Date: 3/23/2007

Re: Mining Master Plan Permit Approval -- Feldspar Property

☐ Urgent

☐ For Review

☐ Please Comment

☐ Please Reply

Comments: Attached you will find a copy of the letter confirming the approval of the Mining Master Plan

Permit for the Feldspar Property in Putnam County



LETTER OF CREDIT NUMBER F849882

MARCH 22, 2007

BENEFICIARY:
PUTNAM COUNTY
PLANNING AND DEV. SERVICES
P.O. BOX 1486
PALATKA, FL 32178

DEAR SIR OR MADAM:

PLEASE FIND ATTACHED THE ORIGINAL LETTER OF CREDIT.
IN YOUR FAVOR.

PLEASE DIRECT ALL INQUIRIES TO:

SUNTRUST BANK
ATTN: STANDBY LETTER OF CREDIT DEPARTMENT
25 PARK PLACE, 16TH FLOOR, MC 3706
ATLANTA, GEORGIA 30303
PHONE: 800-951-7847 OPTION 3.

SINCERELY,

SUNTRUST BANK
116



LETTER OF CREDIT NUMBER FB49882

ISSUANCE DATE: MARCH 22, 2007

APPLICANT:
THE FELDSPAR CORPORATION
651 KEUKA ROAD
EDGAR, FL 32149

BENEFICIARY:
PUTNAM COUNTY
PLANNING AND DEV. SERVICES
P.O. BOX 1486
PALATKA, FL 32178

FOR USD 168,700.00
(ONE HUNDRED SIXTY EIGHT THOUSAND SEVEN HUNDRED 00/100 U.S.
DOLLARS)

DATE OF EXPIRATION: MARCH 31, 2008
PLACE OF EXPIRATION: AT OUR COUNTERS

FOR INFORMATION PURPOSES ONLY APPLICANT ADVISES US THAT:

1. THE APPLICANT/OPERATOR DESIRES TO ENGAGE IN MINING OPERATIONS WITHIN THE CITY OF PALATKA, STATE OF FLORIDA, UNDER THE PROVISIONS OF PUTNAM COUNTY LAND DEVELOPMENT CODE SECTION 3.02.31

2. PUTNAM COUNTY REQUIRES THAT OPERATORS ENGAGED IN MINING SHALL FIRST OBTAIN A MINING MASTER PLAN PERMIT FROM THE COUNTY WHICH COVERS THE AFFECTED LAND. PUTNAM COUNTY REQUIRES ASSURANCES IN A FORM APPROVED BY THE BOARD OF COUNTY COMMISSIONERS THAT THE APPLICANT WILL BE FINANCIALLY ABLE TO COMPLETE THE APPROVED RECLAMATION PLAN. SUCH ASSURANCES MAY BE IN THE FORM OF A PERFORMANCE BOND OR OTHER SURETY OR BY THE ANNUAL FILLING OF A CERTIFIED FINANCIAL STATEMENT DEMONSTRATING THE FINANCIAL ABILITY TO ACHIEVE THE APPROVED RECLAMATION PLAN, AS DETERMINED BY THE BOARD. SUCH FINANCIAL GUARANTEES SHALL BE IN AN AMOUNT NOT LESS THAN 100% OF THE COST OF RECLAMATION, AS SHALL BE DECIDED BY THE BOARD BASED ON THE RECOMMENDATION OF THE COUNTY

CONTINUED ON NEXT PAGE



LETTER OF CREDIT NUMBER F849882

PAGE NO. 2

ADMINISTRATOR AND THE ADVICE OF THE COUNTY ATTORNEY.

3. THIS IRREVOCABLE STANDBY LETTER OF CREDIT IS ISSUED TO PUTNAM COUNTY IN LIEU OF THE SURETY BOND REQUIRED TO BE FILED BY THE APPLICANT/OPERATOR, AS PROVIDED BY PUTNAM COUNTY LAND DEVELOPMENT CODE SECTION 3.02.314

SUNTRUST HEREBY ESTABLISHES ITS IRREVOCABLE STANDBY LETTER OF CREDIT F849882 IN FAVOR OF PUTNAM COUNTY FOR ACCOUNT OF THE FELDSPAR CORPORATION FOR THE AMOUNT OF ONE HUNDRED SIXTY EIGHT THOUSAND SEVEN HUNDRED AND 00/100 U.S. DOLLARS (U.S DOLLARS \$168,700.00) AVAILABLE BY PUTNAM COUNTY'S DRAFTS DRAWN ON US PAYABLE AT SIGHT.

THIS IRREVOCABLE STANDBY LETTER OF CREDIT SHALL EXPIRE ON MARCH 31, 2008. THE EXPIRATION DATE SHALL BE EXTENDED AUTOMATICALLY FOR A PERIOD OF ONE (1) YEAR ON MARCH 31, 2008 AND ON EACH SUCCESSIVE EXPIRATION DATE, UNLESS, AT LEAST SIXTY (60) DAYS PRIOR TO THE EXPIRATION DATE, THE UNDERSIGNED NOTIFIES PUTNAM COUNTY AND THE FELDSPAR CORPORATION BY CERTIFIED MAIL RETURN RECEIPT REQUESTED OR OVERNIGHT COURIER THAT THE UNDERSIGNED WILL NOT EXTEND THIS LETTER OF CREDIT BEYOND THE CURRENT EXPIRATION DATE. IF THE UNDERSIGNED NOTIFIES PUTNAM COUNTY THAT THIS LETTER OF CREDIT WILL NOT BE EXTENDED, ANY UNUSED PORTION OF THE CREDIT SHALL BE AVAILABLE UPON PRESENTATION OF PUTNAM COUNTY SIGHT DRAFT WITHIN SIXTY (60) DAYS AFTER PUTNAM COUNTY OR THE FELDSPAR CORPORATION RECEIPT OF SUCH NOTIFICATION, WHICHEVER IS LATER.

THIS IRREVOCABLE STANDBY LETTER OF CREDIT IS NON-TRANSFERABLE.

DRAFT(S) SHALL BE MARKED "DRAWN UNDER SUNTRUST BANK LETTER OF CREDIT NO. F849882" AND SHOULD INCLUDE THE FOLLOWING DOCUMENTATION:

- (A) A SIGNED CERTIFICATE BY PUTNAM COUNTY, REFERRING TO THE EFFECTIVE DATE AND LETTER OF CREDIT NUMBER F849882 OF THIS IRREVOCABLE STANDBY LETTER OF CREDIT AND STATING THAT:

"IN ACCORDANCE WITH PUTNAM COUNTY LAND DEVELOPMENT SECTION 3.02.31, WE HAVE RECEIVED A NOTICE OF FORFEITURE OF PART OR ALL OF THE LETTER OF CREDIT. THE AMOUNT OF OUR DRAWING DOES NOT EXCEED THE AMOUNT OF THE FORFEITURE AS SET FORTH IN SUCH NOTICE"

CONTINUED ON NEXT PAGE



LETTER OF CREDIT NUMBER F849882

PAGE NO. 3

OR

(B) A SIGNED CERTIFICATE BY PUTNAM COUNTY, REFERRING TO THE EFFECTIVE DATE AND LETTER OF CREDIT NUMBER F849882 OF THIS IRREVOCABLE STANDBY LETTER OF CREDIT AND STATING THAT:

"WE HAVE RECEIVED FROM SUNTRUST BANK WRITTEN NOTICE STATING THAT (1) THIS IRREVOCABLE STANDBY LETTER OF CREDIT HAS NOT BEEN EXTENDED; AND, (2) THAT THE AMOUNT OF OUR DRAWING DOES NOT EXCEED THE LETTER OF CREDIT AMOUNT, LESS ANY PREVIOUS DRAWINGS THEREUNDER, PURSUANT TO NOTICES RECEIVED IN ACCORDANCE WITH PUTNAM COUNTY LAND DEVELOPMENT SECTION 3.02.31."

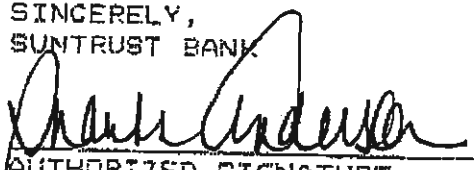
THIS IRREVOCABLE STANDBY LETTER OF CREDIT IS SUBJECT TO THE UNIFORM CUSTOMS AND PRACTICE FOR DOCUMENTARY CREDITS (1993 REVISION), INTERNATIONAL CHAMBER OF COMMERCE PUBLICATION 500 AND THE LAWS OF THE STATE OF FLORIDA. IN THE EVENT OF ANY CONFLICT, THE LAWS OF THE STATE OF FLORIDA WILL CONTROL.

WE HEREBY AGREE WITH YOU THAT ALL DRAFTS DRAWN IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT WILL BE DULY HONORED UPON PRESENTATION AND DELIVERY OF THE DOCUMENTS SPECIFIED ABOVE TO THE BELOW ADDRESS ON OR BEFORE MARCH 31, 2008 OR ANY AUTOMATICALLY EXTENDED DATE.

ALL DOCUMENTS ARE TO BE REMITTED TO:
SUNTRUST BANK, INTERNATIONAL DIVISION
ATTN: LETTER OF CREDIT DEPARTMENT
25 PARK PLACE, 16TH FLOOR, MC 3706
ATLANTA, GEORGIA 30303

PLEASE DIRECT ALL INQUIRIES TO:
PHONE: 800-951-7847 OPTION 3.

SINCERELY,
SUNTRUST BANK


AUTHORIZED SIGNATURE
SHARON ANDERSON, AVP
MANAGER, STANDBY LETTERS OF CREDIT

116

CONTINUED ON NEXT PAGE



LETTER OF CREDIT NUMBER F849882

PAGE NO. 4

SWORN AND SUBSCRIBED TO BEFORE ME THIS
THIS 22ST DAY OF MARCH 2007

NOTARY PUBLIC

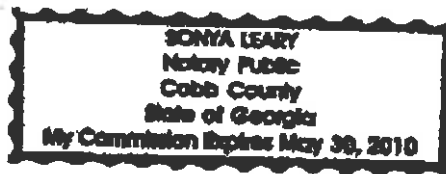
MY COMMISSION EXPIRES

DATE

Sonya Leary
May 30, 2010

(SEAL)

116





INDUSTRIAL MINERALS

March 13, 2007

WPLRA (West Putnam Lake Region Association)
Attn: Philip Cathlino (Delivered In-Person)

Re: The Feldspar Corporation-WPLRA Joint Agreement

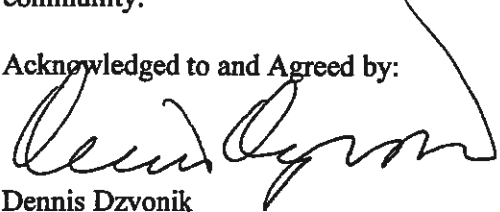
Mr. Cathlino:

On behalf of The Feldspar Corporation-EPK Clay Division (a subsidiary of Zemex Industrial Minerals), I offer the below in response to the WPLRA's concerns associated with TFC's (The Feldspar Corporation's) mining activities. In consideration for the following undertakings by TFC, WPLRA will support and will not oppose other future mining excavations (including required permits and approvals) within TFC's existing 2,500-acre (owned or leased) land holdings as long as the items in paragraphs 1 through 4 are being implemented where abutting residential uses. As agreed, the WPLRA will support The Feldspar Corporation's Mining Master Plan Permit (Case No. MMP-06-001).

1. A 200-foot "no mineral extraction" buffer will exist between the Williams Tract excavation area and those residences located along the Western boundary.
2. TFC will not conduct overburden removal or land clearing activities during nighttime (between 30-minutes after Sunset to 30-minutes before Sunrise).
3. TFC will not conduct overburden removal or land clearing activities on Saturdays & Sundays.
4. TFC will not conduct overburden removal or land clearing activities on the following Holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Days (Thursday & Friday), Christmas Eve, Christmas Day, or New Year's Eve.
5. TFC will increase efforts to insure that loaded railcars and trucks transporting clay and sand products are cleaned off of excess material before leaving TFC property.
6. TFC will erect appropriate signage in an attempt to improve traffic control for truck drivers and local traffic on-site and along Keuka Road. Local approval and ordinances may apply.
7. TFC will install appropriate silt fencing and/or BMPs (Best Management Practices) for improving erosion and sedimentation control along Keuka Road on TFC's land holdings.
8. TFC has agreed to donate \$10K for a joint "Water Study" with the WPLRA to study potential water quality impacts of water bodies that are downgradient and/or apart of TFC's land holdings. Although, TFC must approve of expenditures for accountability of money spent.
9. TFC has agreed to make a donation of \$10K to a single entity. Although, TFC reserves the right to carefully consider which organization or whom will benefit.

TFC looks forward to a continued positive relationship between WPLRA and the surrounding community.

Acknowledged to and Agreed by:



Dennis Dzvonik
CDSHE, Zemex Industrial Minerals



Phillip Cathlino
President, WPLRA