

**FLORIDA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**DIVISION OF WATER RESOURCE MANAGEMENT**  
**BUREAU OF MINING AND MINERALS REGULATION**  
 2051 EAST PAUL DIRAC DRIVE  
 TALLAHASSEE, FLORIDA 32310-3760

DEP Use Only
File No. _____
BMR Code _____

**NOTICE OF INTENT TO MINE OR MINING OTHER RESOURCES**

**INSTRUCTIONS:** Complete the following and submit to the Bureau of Mining and Minerals Regulation at the above address.

I, \_\_\_\_\_, the undersigned authorized agent for the operator, \_\_\_\_\_, hereby notify the Secretary of the Department of Environmental Protection that said operator will continue mining operations at an existing (old) mine after January 1, 1989, began mining operations at a new mine after October 1, 1986, or intends to begin mining operations at a new mine, as follows (Check only one box for each mine.):

New Old	Mine Name	
1.		_____
2.		_____
3.		_____
4.		_____
5.		_____
6.		_____
7.		_____
8.		_____
9.		_____
10.		_____
11.		_____
12.		_____
13.		_____
14.		_____

NOTE: Continue this list on another sheet, if needed.

In support of this notification, I offer the attached general information and a signed acknowledgement of the reclamation performance standards in section 378.803, Florida Statutes, as set forth in chapter 62C-39, Florida Administrative Code.

\_\_\_\_\_

Date
Authorized Agent

**PART I.**

1. Operator:
  - a. Street Address: \_\_\_\_\_
  - b. Mailing Address: \_\_\_\_\_
  - c. City, State & ZIP: \_\_\_\_\_
  - d. Telephone Number: \_\_\_\_\_ / \_\_\_\_\_ - \_\_\_\_\_
  
2. Parent Company, Corporation, etc.:
  - a. Name: \_\_\_\_\_
  - b. Street Address: \_\_\_\_\_
  - c. Mailing Address: \_\_\_\_\_
  - d. City, State & ZIP: \_\_\_\_\_
  - e. Telephone Number: \_\_\_\_\_ / \_\_\_\_\_ - \_\_\_\_\_
  
3. Authorized Agent:
  - a. Title/Position: \_\_\_\_\_
  - b. Street Address: \_\_\_\_\_
  - c. Mailing Address: \_\_\_\_\_
  - d. City, State & ZIP: \_\_\_\_\_
  - e. Telephone Number: \_\_\_\_\_ / \_\_\_\_\_ - \_\_\_\_\_

**PART II.** Complete page 5 of this form for each mine. Page 5 may be copied, as needed, or additional copies may be requested from the bureau.

**PART III.** Provide one or more recent aerial photographs that clearly indicate the location of each existing or future mine. Aerial photographs obtained from the county Property Appraiser's office, a commercial source, or through the Department of Transportation, Surveying and Mapping Office, are acceptable.

**PART IV.** Read and sign the following Acknowledgment of Reclamation Performance Standards:

#### RECLAMATION PERFORMANCE STANDARDS

The following standards shall apply to all surface areas disturbed by mining operations in new mines and in existing mines after January 1, 1989:

(1) Completion Dates for Reclamation Activities. All reclamation activities shall, to the extent possible, be coordinated with resource extraction and in any event shall be initiated at the earliest practicable time.

(a) Contouring shall be initiated and completed no later than one year after the calendar year in which mining operations cease for any given area. The department shall waive this requirement for any reasonable length of time when necessary to prevent the unacceptable contamination of the resource being extracted.

(b) Revegetation activities shall be initiated as soon as practical and completed no later than one year after the calendar year in which the final contours are established in an area and revegetation activities would not interfere with mining operations.

## PART IV. (cont'd)

(c) Reclamation activities through revegetation shall be completed within three years of the cessation of mining operations at the mine.

(d) If mining operations temporarily cease at a mine for more than 12 months:

1. The operator shall elect one of the following options:
  - a. The requirements of subsections (4)-(7) below shall begin immediately and be completed at a rate of at least 1000 feet of shoreline or dry pit wall per three-month period; or
  - b. The operator shall post a bond or other surety in an amount reasonably related to the cost of completing reclamation and for the period of time the initiation of reclamation will be delayed, both of which shall be acceptable to the department; or
  - c. The operator shall begin reclaiming an equivalent amount of nonmandatory land at the rate specified in sub subparagraph a. above.
2. Compliance with the requirements of subparagraph 1. above shall be tolled by the length of time that a temporary cessation results from attempts to obtain necessary permits for operations.
3. The department shall waive the commencement of the requirements in subparagraph 1. above for good cause for the length of time necessary, up to a maximum of one year.

(e) If mining operations cease, for whatever reason, for more than two years at a mine, then all of the requirements of this section shall be met. This period shall be extended for a maximum of five years when the cessation of mining is caused by governmental action during the review of environmental permit applications. However, the department shall direct the operator to complete those reclamation activities necessary to protect the public health and safety.

(f) The requirements of paragraphs (d) and (e) above shall be suspended upon the resumption of mining.

(2) Consistency with Local Ordinances. Reclamation activities shall be consistent with all applicable local government ordinances at least as stringent as the criteria and standards contained in this section.

(3) Surface Drainage and Groundwater Requirements. Reclamation shall achieve the stormwater drainage, wetlands, and other surface and groundwater management requirements of the Department of Environmental Protection and the appropriate water management district.

(4) Safety. Provisions for safety to persons, wildlife, and adjoining property must be provided.

(a) Site cleanup.

1. All lands shall be reclaimed to a neat, clean condition by removing or adequately burying, where allowed by law, all visible debris, litter, junk, worn-out or unuseable equipment or materials, as well as all poles, pilings, and cables.

2. Large rocks and boulders shall be placed at the base of pit walls to the extent practical to provide fill for establishing acceptable slopes; otherwise, they shall be placed in common locations at the surface or buried to a minimum depth of four feet.

(b) Structures. All temporary buildings, pipelines, and other man-made structures shall be removed with the exception of those that are of sound construction with potential uses that are

compatible with the reclamation goals.

(5) Final Slopes. The final slopes shall be at such an angle as to minimize the possibility of slides and shall not exceed the natural angle of repose of the material being mined

(a) The reclaimed slope shall be no steeper than two horizontal feet to one vertical foot, unless the operator chooses to calculate the slope by one of the following acceptable methods:

1. If the material being mined is sand, the maximum reclaimed slope shall be calculated using the angle of repose of the product stockpile. The angle of repose is defined as the slope angle of the product stockpile measured along an undisturbed portion of the pile. Given a vertical component of one unit, the corresponding minimum horizontal component of the reclaimed slope shall be calculated by dividing 1.5, the minimum acceptable factor of safety, by the tangent of the angle of repose of the sand stockpile.

2. For all other resources, the steepest reclaimed slope shall be calculated by determining the angle of repose of the actual material being mined and applying a minimum factor of safety of 1.5. The angle of repose and the factor of safety shall be determined using standard geotechnical engineering practices.

(b) In mines resulting in lakes the reclaimed slope shall extend from the top of the mine wall to a depth of five feet below the water surface and shall not exceed the steepest slope allowed by (a) above.

(6) Contouring and Erosion Prevention. Any overburden and spoil shall be left in a configuration which is in accordance with accepted soil conservation practices and which is suitable for the proposed future use of the land.

(a) All upland areas disturbed by mining operations must be revegetated in quantities and densities necessary to prevent and control erosion and to provide stability to the slope. Erosional areas shall be repaired until vegetative cover is fully established and the land is released.

(b) The zone of fluctuation of reclaimed lakes should be vegetated with native wetland species. Acceptable methods recommended to establish vegetation include spreading muck obtained from areas containing desirable, native, littoral zone plant communities, planting of native wetland vegetation, or natural regeneration of wetland plant species. At least 50 percent of the zone should have established vegetation for a period of not less than one year after the initial appearance or planting of the vegetation.

(7) Water Quality. Reclamation shall be designed to avoid the collection of water in pools which are, or are likely to become, noxious, odious, or foul. Where water bodies result from reclamation, the department encourages designs that will allow both a variety of emergent habitats and naturally fluctuating water levels.

I have read and acknowledge the above reclamation performance standards.

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Date

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Operator or Authorized Agent

GENERAL INFORMATION FOR THE \_\_\_\_\_ MINE

1. Resource to Be Extracted: \_\_\_\_\_
2. Date Mining Began/Will Begin: \_\_\_\_\_ (Month, Day, & Year)
3. Estimated Life of Mine: \_\_\_\_\_ years \_\_\_\_\_ months  
 NOTE: For new mines this will be from the beginning to the end of mining operations. For existing mines this will be from January 1, 1989, through the end of mining operations. Enter months only if the life is less than two years.

4. Estimated Size of Mine: \_\_\_\_\_ acres

5. Mine Location:

<u>County</u>	<u>Township</u>	<u>Range</u>	<u>Section(s)</u>
_____	_____ N S	_____ E W	_____
_____	_____ N S	_____ E W	_____
_____	_____ N S	_____ E W	_____
_____	_____ N S	_____ E W	_____

Note: Mark N or S and E or W.

6. Directions to Mine:

7. Required Permits. This notice should NOT be listed below. Check Yes/No, fill in the blanks, and circle the appropriate letter, if a permit is required. "N" means not filed, "P" means pending, and "A" means approved. Provide the name of the county or city, if mining/reclamation permits are required.

Required

<u>Yes</u>	<u>No</u>	<u>Type of Permit</u>	<u>Permitting Agency</u>	<u>Status</u>
		<u>Dredge and Fill</u>	<u>State Dept. of Envir. Protect.</u>	N P A
		<u>Mining/Reclamation</u>	<u>County ( )</u>	N P A
		<u>Mining/Reclamation</u>	<u>City ( )</u>	N P A
		<u>Works of District</u>	<u>Water Management District</u>	N P A
		<u>Devel. Of Regional Impact</u>	<u>Dept. of Community Affairs</u>	N P A
[X]		_____	_____	N P A
[X]		_____	_____	N P A
[X]		_____	_____	N P A
[X]		_____	_____	N P A
[X]		_____	_____	N P A