



Mining  
Form  
MR-400

S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
BUREAU OF LAND AND WASTE MANAGEMENT  
DIVISION OF MINING AND SOLID WASTE PERMITTING  
2600 Bull Street, Columbia, SC 29201  
Telephone Number: (803) 896-4261 Fax Number: (803) 896-4001

APPLICATION FOR A MINE OPERATING PERMIT  
DHEC FORM MR-400 DATE VERSION ADOPTED 7/1/94

.....  
"The South Carolina Mining Act," Sections 48-20-10 through 48-20-310, Code of Laws of South Carolina, 1976, as amended provides in part: "No operator may engage in mining without having first obtained from the Department an operating permit which covers the affected land and which has not been terminated, been revoked, suspended for the period in question, or otherwise become invalid." (Section 48-20-60)  
.....

RECEIVED

I. APPLICANT INFORMATION

SEP 19 2019

1. Name of Company: Sandridge Road Holdings LLC

Check form of business entity:  Corporation

Partnership

Limited Partnership

Sole Proprietorship

DIVISION OF MINING  
SOLID WASTE MANAGEMENT  
BLWM

2. Name of Proposed Mine: Pineland Mine

County: Dorchester

3. Home Office Address: 1015 East Westinghouse BLVD

980-225-9944

(Street and P.O. Box)

(Telephone No.)

Charlotte

NC

28273

(City)

(State)

(Zip Code)

(Fax No.)

4. Local Office Address: 255 Farmington Road

980-225-9944

(Street and P.O. Box)

(Telephone No.)

Summerville

SC

29483

(City)

(State)

(Zip Code)

(Fax No.)

5. Designate to which office Official Mail is to be sent (check one):

Home Office

Local Office

6. Name of company personnel and their title to be the contact for official business and correspondence: \_\_\_\_\_

Chris Bauer, ~~CEO~~ Member/Manager

7. Location of Mine: Sandridge Road (County Rd S-18-247)

Dorchester, SC

(State or County Hwy No.)

(Nearest Town or City)

8. Locate accurately on a county map, USGS 7.5' Topographic Map, or draw a detailed map to scale of: (1) how to get to your local office and (2) how to get to the mine (attach to this application).

9. If land is leased, complete the following: \_\_\_\_\_

A. Name of landowner: \_\_\_\_\_

Landowner's Address: \_\_\_\_\_

(Street and PO Box)

(City)

(State)

(Zip Code)

(Telephone Number)

B. Date lease became effective: \_\_\_\_\_

Date of lease termination: \_\_\_\_\_

Name of lessee: \_\_\_\_\_

**II. GENERAL CHARACTERISTICS OF MINE:**

1. Material(s) to be mined: Sand, Fill Dirt

2. Mining Method:

A. List equipment to be used for mining and provide a brief description as to how the mine will be operated.

Equipment: Trackhoe, bull dozer and front-end loader

Method: Overburden will be stripped from the surface and will be relocated on site to be used for reclamation practices.

Sand and top soil will be removed using a trackhoe or loader.

B. Will there be a process plant located at the mine site within the boundary of the permitted area?

Yes  No If no, please provide a brief description of the plant equipment and function of the plant.

The site will be excavated and hauled as necessary. No plant site is anticipated.

3. Do you anticipate blasting as part of the mining operation?  Yes  No If yes, provide the distance to the nearest inhabited structure not owned or leased by the applicant. Also, provide as an attachment to this application the names and addresses of all the owners of all structures within one-half mile from the nearest point of blasting during the life of the proposed mine. How will flyrock be prevented from being projected from the permitted area?

4. Has this site been mined in the past? If so, please indicate the present condition of the land.

No mining has taken place on the subject property. Present condition of the land is considered unimproved, there are access roads throughout the property that will be utilized to the greatest extent possible. The timber is managed via a forest management plan by Sabine & Waters and the fields are leased to a farmer. An adjacent property is currently being mined by Sanders Brothers Construction.

5. What is the expected maximum depth of this mine? Provide any additional information about the final depth of the mine that would be useful to the Department. (Example: Final depth of pit will be level to adjacent road, elevation above Mean Sea Level (MSL)).

Current elevation 95 ft MSL

Overburden -1 ft

Maximum depth of sand/fill 30 ft

Final minimum elevation of site 65 ft MSL

**III. DETERMINATION OF PERMITTED ACREAGE, AFFECTED ACREAGE AND RECLAMATION BOND**

1. Total acres for which permit is being requested:

318 Permitted acres owned by the operator

\_\_\_\_\_ Permitted acres leased by the operator

Note: Permitted acreage should include the following: 1) acres of land to be affected (excavation, processing plant, stockpiles, etc.); 2) future area(s) to be mined and 3) land to be used for buffer zones around the affected land. The permitted area should be the property described in the LAND ENTRY AGREEMENT(S) (FORMS MR-600 OR MR-700).

2. Total affected acreage:

Acres

A) Area used for sediment control ponds 0

B) Area used for stockpiles of unprocessed minerals 0

C) Area used for spoil (overburden) banks, topsoil and disposal refuse (exclusive of tailings impoundments) 0

D) Areas used for on-site processing facilities and stockpiles of processed minerals 0

E) Areas used for tailings pond (waste material from mineral processing) 0

F) Area for access or haul roads 0

G) Area for excavation during the period of this permit

OR

If mining and reclamation are to be done in segments, state the size of each segment (acres) \_\_\_\_\_. Multiply the size of the segments by 3 and enter the resulting number. ----->

62.3

H) TOTAL OF 2A THROUGH 2G 62.3

3. Check acreage to be bonded: total affected acreage calculated from Section 2.

\_\_\_\_\_ 0.00 - 9.99 acres (bond amount - \$10,000)

\_\_\_\_\_ 10.00 - 14.99 acres (bond amount - \$15,000)

\_\_\_\_\_ 15.00 - 24.99 acres (bond amount - \$25,000)

X 25.00 + acres (bond amount - \$25,000 or greater)

Applicant may submit a reclamation cost estimate for mines that will affect greater than 25 acres. Estimate should be based upon requirements in Regulation 89-200 B.

4. Will this operation be covered by a blanket bond? \_\_\_ Yes X No If yes, please list your company's other permitted mining operations in South Carolina giving mine names, permit numbers and state the present reclamation bond amount on file with this Department.

5. Number of years for which this permit is requested. The requested number of years the permit is requested should coincide with the Schedule of Reclamation as proposed by the applicant in the RECLAMATION PLAN, (Form MR-500). 10 years

#### IV. PROTECTION OF NATURAL RESOURCES

1. Will there be a waste water treatment system at your mine site?  Yes  No
2. Will there be a point source discharge from your plant or mine requiring an NPDES Permit?  Yes  No  
If yes, provide information as to how stormwater and groundwater will be managed?  
Water will settle within the mine footprint before being pumped to adjacent wetland per NOI.
3. Will there be air contaminant emissions from your plant or mine requiring an Air Quality Permit?  Yes  No
4. Do you anticipate pumping of groundwater?  Yes  No If yes, describe.  
Groundwater will be pumped into a settling area within the footprint of the mine before being discharged into adjacent wetland.
5. Will jurisdictional wetlands be affected, filled or altered in any fashion that will require a Section 404 Dredge and Fill Permit?  Yes  No
6. Are there any known cultural or historic sites located within the proposed area to be permitted?  Yes  No
7. Will any part of the permitted area be used as a solid waste describe how waste, trash, scrap metal material, garbage will be handled.  Yes  No

\*NOTE: For questions 1-7 that need additional space for explanations, please provide additional information on an attached sheet to this application.

8. Describe the wildlife or freshwater, estuarine or marine fisheries in the area of the mining operation. Also provide information about any ponds and/or streams that may be located in the proposed permitted area.

Wildlife in the area are typical indigenous species including both terrestrial game and non-game species including deer, turkey, songbirds and small mammals. There are no ponds or streams located within the proposed mine site. There are jurisdictional freshwater wetlands adjacent to the mine site that will be protected by leaving a buffer between the mine site and any wetland areas. Due to fluctuations in the water levels and natural barriers, it is unlikely a fishery exists in adjacent freshwater wetlands.

9. State the land cover and land uses on the permitted land area and contiguous tracts of land to the permitted land area.

The proposed mine sites are currently agricultural fields that are planted in Cotton. Adjacent forest is composed of a mix of longleaf pine (*Pinus palustris*), loblolly pine (*Pinus taeda*), live oak (*Quercus virginiana*), and southern red oak (*Quercus falcata*). Past land use included recreation and hunting. Adjacent land use is mostly recreational, forestry and agricultural, as well as additional mining areas.

10. Describe measures to be taken to insure against (1) substantial deposits of sediment in neighboring streams, rivers lakes or ponds; (2) landslides; (3) acid water formation and discharge. Attach any supporting documents (engineering designs, calculations, sediment & erosion control plan, setbacks, geotechnical information, acid prediction test etc.) to this application.

1. A sediment pond will be used to prevent deposits into neighboring streams or water systems.
3. Acid water formation will be monitored. If pH is low, samples will be taken upstream of outfall and lime will be added to outfall to buffer pH.
2. Reclamation of mine slopes will begin as soon as possible. A 3:1 slope will be established and a mix of grasses will be planted along the mine banks to prevent runoff and erosion.  
This has proven to be an effective method in to address the risk of landslide within mine areas.

## V. SAFETY

1. Describe methods to be used during the time the mine operating permit is active to prevent physical hazards to persons and to any neighboring dwelling, house, school, church, hospital, commercial or industrial building or public road. If applicable, provide the zoning designation for the property to be permitted.

The proposed site has a few residential structures nearby that will all be buffered. No schools, churches, hospitals, commercial or industrial buildings are located nearby. The proposed sites are bounded by forest and agricultural lands on all sides with a few residential properties nearby. To restrict access, the property will be gated and the gate will be maintained during and after the mining activity. No trespassing signs will be visible along the property boundary and the gate will be locked when not in use. The property to be permitted is currently zoned as Absence of Control.

2. Describe methods to be used to prevent an adverse effect on the purposes of a publicly-owned park, publicly-owned forest, or publicly-owned recreation area. If any of these facilities are within one (1) mile of the proposed affected property, please locate on mine location map and the submitted U.S.G.S topographic map for this application.

The property is surrounded by privately owned properties with no publicly-owned parks, forests, or recreation areas within a one mile radius.

3. Describe measures to be taken for screening the operation from view from public highways, public parks or residential areas.

An earthen berm will be constructed and where necessary fencing will be installed to screen the operation from public view and residential areas. Vegetation can be planted if needed or will be allowed to vegetate on the berm for additional screening. This will be maintained through the life of the mine.

## VI. MINE MAP

1. Provide the U.S.G.S. topographic map(s) that contains the proposed mine site. The proposed permitted area should be outlined on this submitted topographic map.
2. Attach two (2) copies of a map of the site (referred to as the MINE MAP) that shows the following:
  - A. Outline of the area to be affected by mining during the number of years for which the permit is requested. See Section III, Question 1 on page 3 of this application form.
  - B. Outline of the permitted area that shows the buffers zones, future mine areas and areas to be affected by mining.
  - C. Outline of the planned pits or excavations for which your company has detailed plans. If your company has reason to believe that additional land may be mined in the future within the permitted area but is not feasible to show as planned excavations; indicate these areas as FUTURE RESERVES on this site map.
  - D. Outline of areas for the storage of naturally occurring soil that will be suitable for the establishment of vegetation in final reclamation.
  - E. Outline of planned areas for disposal of refuse, exclusive of tailings ponds.
  - F. Outline of planned spoil, overburden or other similar waste material disposal areas.
  - G. Locations of planned access and haul roads on the area to be affected.

- H. Outline of planned tailings ponds.
- I. Locations of sediment control pond(s) and other sediment control structures within the affected area. Outline of areas on which temporary or permanent vegetation will be established to control erosion during the mine operation.
- J. Location and name (if appropriate) of streams, lakes, wetlands and existing drainage ditches within the area to be permitted. Use arrows to indicate direction of water flow in such streams and drainage ditches.
- K. Boundary for the 100 year floodplain, where appropriate.
- L. Outline of areas for stockpiles of unprocessed minerals.
- M. Outline of area of previously mined land that will not be affected.
- N. Outline of the area to be occupied by processing facilities including stockpiles of processed minerals if such facilities are to be an integral on-site part of the mining operation.
- O. Show location of the two permanent survey control points.
- P. A legend showing the name of applicant, name of the proposed mine, north arrow, county, scale, date of preparation and name and title of person who prepared the site map.

THE REQUIRED SITE MAP SHALL HAVE A NEAT, LEGIBLE APPEARANCE AND BE OF SUFFICIENT SCALE TO CLEARLY SHOW THE REQUIRED INFORMATION LISTED ABOVE. THE BASE FOR THE MAP SHALL BE EITHER A SPECIALLY PREPARED LINE DRAWING, AERIAL PHOTOGRAPH, ENLARGED USGS TOPOGRAPHIC MAP OR A RECENTLY PREPARED PLAT.

- 3. Provide the most recent county tax map that shows all contiguous land owners of the permitted mine site. Provide name and addresses of all land owners contiguous to the proposed permitted mine site.
- 4. Provide letter from an attorney attesting to (1) the ownership if the property, (2) ownership of the mineral rights and (3) that the applicant has the legal right to mine the proposed mineral resource on the property as described in this application.

We hereby certify that all information and details contained hereinabove, within any supporting documents and on the map are true and correct to the best of our knowledge. We fully understand that any willful misrepresentation of facts will be cause for permit revocation.

The applicant acknowledges that Section 48-20-130, Code of Laws of South Carolina, provides in part:

*"Upon receipt of the operator's annual report or report of completion of reclamation and at any other reasonable time the department may elect, the department shall inspect the permit area to determine if the operator has complied with the reclamation plan, the requirements of this chapter, regulations promulgated by its authority, and the terms and conditions of this permit. Accredited representatives of the department at all reasonable times may enter upon the land subject to the certificate of exploration or operating permit for the purpose of making the inspection."*

Chris Bayer, Member/Manager

Signature of Applicant/Operator or his Authorized Representative

Chris Bayer, Member/Manager

Printed Name of Applicant/Operator or his Authorized Representative

Member/Manager

Title

8/23/2019

Date

**Department Use Only**

Application No.: \_\_\_\_\_ Date Application Approved: \_\_\_\_\_ Date Bond Rec'd: \_\_\_\_\_

Bond Amount: \_\_\_\_\_ Blanket or Single Bond Permit Issuance Date: \_\_\_\_\_

**ACTION TAKEN ON THIS APPLICATION**

\_\_\_\_\_ Approved \_\_\_\_\_ Denied \_\_\_\_\_ Approve with additional Terms and Conditions

By: \_\_\_\_\_  
DIVISION DIRECTOR

Date: \_\_\_\_\_