

Scott Weeks

From: Blake Alford <balford@benchmarkms.net>
Sent: Wednesday, June 3, 2020 3:50 PM
To: Scott Weeks
Subject: Pocahontas Mine
Attachments: Pocahontas Mine Reclamation Plan.pdf; MDEQ Surface Mining Permit Application.pdf

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Scott,

Attached is the updated Grading/Reclamation plan along with the MDEQ Mining Permit Application for Brad Pepper's Pocahontas Mine. Would you mind taking a look at this and letting me know if this is what you are looking for and contains everything you need? Below is what I added per our conversation earlier today:

- Traffic Signs – two “Trucks Entering Highway” signs were added at the beginning of the property on either side along Pocahontas Road.
- Construction Entrance/Haul Road – two construction entrances were added as shown along with a detail. The haul roads were also added.
- Dust Control – see note #3
- Operation Hours – see note #2
- I also added a note (Note #1) stating that all mining operations shall comply with the requirements of Madison County & MDEQ.

Please let me know if you need any further information added.

thanks

Blake Alford, P.E.
Benchmark Engineering & Surveying, LLC
601-940-9169

Permit No. _____

STATE OF MISSISSIPPI

Application No. _____

SURFACE MINING PERMIT APPLICATION

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY / MINING & RECLAMATION DIVISION

Other permits required: Y/N	Date
NPDES	_____
State Operating Permit	_____
Corps of Engineers	_____
_____	_____
_____	_____

P. O. Box 2279
Jackson, Mississippi 39225-2279
(601) 961-5515
Fax (601) 961-5521

City/County approval	Required	Yes	No
Received Date:	_____	_____	_____
County	_____		
City	_____		

For Office use only

A. GENERAL INFORMATION

- Name of Applicant: Magnolia Mining, LLC
Mailing Address: 1331 Livingston Vernon Rd, Flora, MS 39071
E-mail Address: turfscapeland@icloud.com
Phone No. 601-573-7858 Fax No. _____
Authorized Representative Brad Pepper
- Engineering Firm, Consultant, etc.: Benchmark Engineering + Surveying, LLC
Mailing Address: 660 Katherine Dr., Suite 302, Flowood, MS 39232
E-mail Address: balford@benchmark.ms.net
Phone No. 601-940-9169 Fax No. _____
- Name of Mine: Pocahontas Mine Mine Supervisor: Brad Pepper
Phone No. 601-573-7858 Fax No. _____
- Location of Operation (to nearest quarter-quarter section):
NW 1/4 Section 22 Township 8N Range 1W County Madison
- Physical address of mine or nearest named road Pocahontas Road
- Method of Operation Open Pit Strip Dredge Wash Operation, if so Water Source _____
Wash System Type Closed system Open system
- Number of Acres to be Permitted:
Excavation _____
Haul roads, plant site, ponds, storage piles, etc. _____
TOTAL PERMITTED AREA 37 ac
- Is the Permit Area located: Yes No
a. within 100 feet of a public road? _____
b. within 100 feet of a cemetery? _____
c. within 300 feet of an occupied building? _____
If YES to a, b, or c, a letter must be filed with the Office giving permission from the owner or maintaining authority to mine within these distances to the subject property.
C. If permission is not received, a Buffer will be provided.
- Materials to be Mined: Dirt

10. Has the applicant applied for, or have, any other permits or licenses that pertain to this or any other mining operation? Yes X No

If "YES," list them in the space provided on page 5, or attach separate pages, and give the current status of each, including any violations or penalties.

B. MINING PROCEDURE AND ENVIRONMENTAL ANALYSIS

- | | |
|--|--|
| 1. Description of materials: | 2. Anticipated Schedule (month/year) |
| Thickness of overburden <u> 1 </u> ft.
(Topsoil MUST be stockpiled for use during reclamation) | Begin clearing <u> 8 / <u>20</u></u> |
| Thickness of useable material <u> ± 20 </u> ft. | Begin mining <u> 8 / <u>20</u></u> |
| Total depth of excavation <u> ± 20 </u> ft. | Complete mining <u> 1 / <u>24</u></u> |
| Estimated annual production <u> ± 100,000 </u> tons <u> CY </u> | Begin reclamation <u> 7 / <u>24</u></u> |
| | Complete reclamation <u> 8 / <u>24</u></u> |
3. Depth to ground water: ft.
4. How will dust be controlled?
- Water on haul roads
- _____
5. Types of erosion control structures that will be utilized.
- Settling ponds Drainage ditches
- Diversion berms Terraced slopes
- Silt Fence _____
6. Describe the land to be affected by mining as it presently exists:
- a. Land use Pasture Land b. Predominant vegetation Grass
7. Will explosives be used? Yes X No
8. Is test-boring data available? Yes No
9. Are toxic materials likely to be encountered at any time? Yes X No
10. Will there be any discharge to local streams or other bodies of water? X Yes No

If any of questions 7-10 are answered "YES," provide additional information on page 5, or attach separate pages.

C. RECLAMATION PLAN

NOTE: It is suggested that the county NRCS office be consulted for specific recommendations on the following items.

1. Describe the soil handling technique for the reclamation phase of the operation:
- Topsoil segregated Mixed strata _____
2. Describe the protection method for the stockpiled topsoil.
- berm around the storage pile
- grass cover on the pile (recommended)
- stored under a cover
- _____
3. How will highwalls, standing faces, and banks be reduced to minimize erosion? (All highwalls must be sloped, minimum 3 horizontal to 1 vertical.)
- slopes will be terraced
- sloped to a gradient of 4 to 1
- blended with surrounding contours
- _____

4. What is the general plan for reclamation?
 reforestation
 establish grass cover
 pond or lake

5. What planting method will be used?
 broadcast seed mechanical seeding
 seeding by manual labor

6. How will fertilizer and lime be applied and incorporated?
 harrowing broadcasting disking

7. Quantity of lime and fertilizer to be applied?
 a. For initial planting
 lime: 1 tons per acre
 fertilizer: 13 - 13 - 13 (type) 300 pounds per acre
 b. For successive years prior to 100% release
 fertilizer: 13 - 13 - 13 (type) 100 pounds per acre
 when: _____ (month)

8. Describe the planting schedule:

Tree or Seed Species	Tree spacing or lbs./acre	Planting Season
<u>Bermuda</u>	<u>10 lbs</u>	<u>March 1 - July 15, Sept. 1 - Nov. 30</u>
<u>Fescue</u>	<u>30 lbs</u>	<u>Sept. 1 - Nov. 30</u>
_____	_____	_____
_____	_____	_____

9. Will the area be mulched? Yes No ^{only if needed} If yes, rate per acre _____
 Method of holding in place: crimped _____

10. How will the vegetation be maintained until the final bond release?
 watering
 mowing
 times per year 2
 approximate month(s) As Needed, _____, _____
 repairing gullies
 replanting eroded areas

11. How will debris be disposed of when the mine is finally closed?
 burying burning hauling away

12. Will a soil analysis be submitted for this site? Yes No
 NOTE: available from the Cooperative Extension Service through the applicant's County Agent

13. Estimated cost per acre for reclamation of this site: \$ 1,000 (minimum of \$1,000 per acre)

D. NAMES AND ADDRESSES OF PERSONS AFFECTED BY THIS OPERATION

1. Landowner(s) of area to be mined/leased

Name: Turfscope Landscaping + Management, LLC Name: _____
Address: 1331 Livingston Vernon Road Address: _____
Flora, MS 39071 _____
Phone: 601-573-7858 Phone: _____

2. Landowner(s) within 500 feet of the area List attached to this application

Name: _____ Name: _____
Address: _____ Address: _____

Phone: _____ Phone: _____

Name: _____ Name: _____
Address: _____ Address: _____

Phone: _____ Phone: _____

3. Person(s) living on permit area

Name: N/A Name: _____
Address: _____ Address: _____

Phone: _____ Phone: _____

I declare that I have knowledge of the facts presented in the preceding pages and in all of the items attached to this application; furthermore, I certify that they are true to the best of my knowledge.

date

William B. Pepper
signature

William B. Pepper
printed name

title

