

MAJOR MODIFICATION FORM FOR MINING GENERAL PERMIT

Coverage No. MSR 322 858 County Desoto



INSTRUCTIONS

Coverage recipients shall notify the Mississippi Department of Environmental Quality of plans to expand the acreage or "footprint" of an existing mining activity or modify the existing mining operation. This form must be submitted when (check all that apply):

- ☐ SWPPP details have been developed and are ready for MDEQ review for subsequent phases of an existing, covered mining activity
- ☒ "Footprint" identified in the original MNOI is proposed to be enlarged (a modified SWPPP and an updated USGS topographic map must be submitted)
- ☐ Mine dewatering is proposed ☐ Mine dewatering has been discontinued
- ☐ Closed loop wash operations are proposed ☐ Closed loop wash operations have been discontinued

This form must be signed by the original coverage recipient under Mississippi's Mining General Permit. A different operator must have general permit coverage transferred prior to coverage being modified. Coverage recipients are authorized to discharge storm water associated with proposed expansions of dewater pits or operate a recirculation system with no discharge, under the conditions of the General Permit, only upon receipt of written notification of approval by the MDEQ. If mining activities change which will incorporate a hydraulic dredging operation or a discharge of process wastewaters to State waters additional permitting actions shall be required.

COVERAGE RECIPIENT INFORMATION

COVERAGE RECIPIENT CONTACT PERSON: James C. Sullivan, Jr.

COMPANY NAME: Talbot Bros. Grading Co., Inc.

STREET OR P.O. BOX: PO Box 364

CITY: Nesbit STATE: MS ZIP: 38651

PHONE NUMBER: 662-429-7291 EMAIL ADDRESS: jamie.talbotbrothers@gmail.com

PROJECT INFORMATION

FORMER ACREAGE: 4 ADDITIONAL ACREAGE TO BE DISTURBED: 11

TOTAL ACREAGE: 15 MINE NAME: Hawks HSR Mine

GEOLOGY APPLICATION/PERMIT NO. TBD CITY: Hernando COUNTY: Desoto

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

James C. Sullivan, Jr.
Signature (must be signed by coverage recipient)

3/17/21
Date

James C Sullivan, Jr
Printed Name

Vice President
Title

Please submit this form to:

Chief, Environmental Permits Division
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

Permit No. _____
A.I. No. _____

STATE OF MISSISSIPPI

Application No. _____

APPLICATION TO AMEND AN EXISTING PERMIT

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

For Office use only

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

A. GENERAL INFORMATION

- Existing Permit No. MSR 322858 Current Acreage 4
1. Name of Applicant: Talbot Bros. Grading Co., Inc.
Mailing Address: PO Box 364 Nesbit, MS 38651
E-mail Address: jamie.talbotbrothers@gmail.com
Phone No. 662-429-7291 Fax No. 662-429-7250
Authorized Representative James C. Sullivan, Jr.
2. Engineering Firm, Consultant, etc.: N/A
Mailing Address: _____
E-mail Address: _____
Phone No. _____ Fax No. _____
3. Name of Mine: Hawks ASR Mine Mine Supervisor: James C. Sullivan, Jr.
Phone No. 662-429-7291 Fax No. 662-429-7250
4. Location of Operation (to nearest quarter-quarter section):
NW/4 of SW/4 29 35 6W Desoto
Section Township Range County
5. Physical address or nearest named road Approx. 7005 Holly Springs Road
6. Type of Amendment
☒ Amendment to Expand Operation ☐ Amendment not involving an acreage change
7. Method of Operation
☒ Open Pit ☐ Strip ☐ Dredge ☐ Wash Operation, if so Water Source _____
Wash System Type ☐ Closed system ☐ Open system
8. Acres of new excavation → 11
New haul roads, plant site, storage piles, etc. → 0
Total new acreage → 11
Number of acres already permitted → 4
Total acres for amended permit → 15
Materials to be mined Borrow Dirt
9. 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.

10. Has the applicant applied for, or have, any other permits or licenses that pertain to this or any other mining operation? Yes ☒ 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>4 / 21</u> |
| Thickness of useable material <u>25</u> ft. | Begin mining <u>5 / 21</u> |
| Total depth of excavation <u>15</u> ft. | Complete mining <u>10 / 23</u> |
| Estimated annual production <u>75,000</u> ^{cy} tons | Begin reclamation <u>11 / 23</u> |
| | Complete reclamation <u>4 / 24</u> |
3. Depth to ground water: 32 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
- ☐ _____
6. Describe the land to be affected by mining as it presently exists:
- a. Land use Hay Field
- b. Predominant vegetation Grass
7. Will explosives be used? ☐ Yes ☒ No
8. Is test-boring data available? ☐ Yes ☒ No
9. Are toxic materials likely to be encountered at any time? ☐ Yes ☒ No
10. Will there be any discharge to local streams or other bodies of water? ☐ 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 3 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: 2 tons per acre

fertilizer: 13 - 13 - 13 (type) 2,000 pounds per acre

b. For successive years prior to 100% release

fertilizer: 13 - 13 - 13 (type) 600 pounds per acre

when: March (month)

8. Describe the planting schedule:

Tree or Seed Species	Tree spacing or lbs./acre	Planting Season
<u>Bermuda</u>	<u>25</u>	<u>Spring / Summer</u>
<u>Fescue</u>	<u>50</u>	<u>Fall / Winter</u>
<u>Clover</u>	<u>50</u>	<u>Fall / Winter</u>
_____	_____	_____

9. Will the area be mulched? ☒ Yes ☐ No If yes, rate per acre 2 tons

Method of holding in place: ☒ crimped ☐ _____

10. How will the vegetation be maintained until the final bond release?

☐ watering

☒ mowing

times per year As needed

approximate month(s) _____, _____, _____

☒ 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: Michael Hawks
Address: 7005 Holly Springs Rd
Hernando, MS 38632
Phone: 901-486-3446

Name: _____
Address: _____
Phone: _____

2. Landowner(s) within 500 feet of the area

Name: _____
Address: _____
Phone: _____

Name: _____
Address: _____
Phone: _____

Name: _____
Address: _____
Phone: _____

Name: _____
Address: _____
Phone: _____

3. Person(s) living on permit area

Name: _____
Address: _____
Phone: _____

Name: _____
Address: _____
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.

6/10/21
date

Will Heidelberg
signature

Will Heidelberg
printed name

Project Manager
title

E. ADDITIONAL COMMENTS

[illegible]

If more space is required, use full sheets of paper the same size as this page. Attach all sheets to this application.