

**CRIMSON OAK GROVE RESOURCES, LLC.**

**OAK GROVE MINE, P-3232, R-63**

**ALABAMA SURFACE MINING COMMISSION**

**SURFACE MINING PERMIT APPLICATION**

**P A R T   I I I**

Prepared by:

**MCGEHEE ENGINEERING CORP.**

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**PART III - OPERATION PLAN**

**A. General Operation Information**

1. Describe the type and method of coal mining procedures and major equipment to be used. (780.11)

See the response in the original mining procedures and major equipment to be used.

2. Describe the sequence and timing of increments to be mined (as shown on permit map) over the total life of the permit. (780.11)

See Permit Map

The timing increments are as follows:

| <u>Increment No.</u> | <u>Acres</u> | <u>Dates</u>     |              |
|----------------------|--------------|------------------|--------------|
|                      |              | <b>From</b>      | <b>To</b>    |
| 1                    | 1,019        | Effective Date * | Life of Mine |
| 2                    | 8            | Effective Date * | Life of Mine |
| 3                    | 2            | Effective Date * | Life of Mine |
| 4                    | 5            | Effective Date * | Life of Mine |
| 5                    | 56           | Effective Date * | Life of Mine |

\* The Effective Date depends on the date of issuance of permit.

3. Attach a narrative explaining the construction modification, use, maintenance, and removal of the following facilities: (780.11)

(a) Coal removal, handling, storage, cleaning and transportation structures and facilities;

Not applicable

(b) Spoil, coal mine waste and non-coal mine waste removal, handling, storage, transportation and disposal structures and facilities;

Not applicable

(c) Mine facilities; and

See Attachment III-A-3

(d) Water pollution control facilities.

Not applicable

### **Mine facilities**

Revision No. 63 is for the addition of seven degasification wells. The proposed sites will be cleared and grubbed. Then a pad will be graded so the wells can be constructed.

Runoff from this small site will be controlled by installing Best Management Practices (BMP), such as silt fences, hay bale dams and rip rap check dams.

When these facilities are no longer needed, all structures will be removed from the site. The holes will be eliminated as shown in Part III-A-6. The entire area will be graded to AOC, seeded with an appropriate mixture of annual and perennial grasses and mulched.

6. Give a description, including appropriate cross-sections and maps, of measures to be used to seal or manage mine openings, bore holes, wells and other openings within the proposed permit area.

Openings within the permit area will be eliminated in the following manner:

- a) Exploration Holes - N/A
- b) Monitoring Wells - N/A
- c) Deep Well Pump Holes/Power Boreholes/Boreholes - [Attachment III-A-6-3\(c\)](#)
- d) Mine Openings Air Shafts - N/A

**B. Engineering Plans.**

All cross sections, maps and plans related to the operations, reclamation and structures must comply with Section 780.10. Plans, appropriate calculations and conclusions shall be presented in a clear and logical sequence and shall take into account all applicable factors necessary to evaluate the proposed plan or design.

1. Existing Structures. (780.12, 786.21)

(a) Describe each existing structure to be used, its location, current condition, approximate dates of construction and evidence (including relevant monitoring data) showing whether or not the structure meets the performance standards of Subchapter K or Subchapter B, whichever is more stringent and demonstrate whether or not the use of existing structures will pose a significant harm to the environment or public health or safety.

Not Applicable

(b) If an existing structure requires modification or reconstruction to meet the performance standards, attach a compliance plan that includes design specifications, construction schedule, monitoring procedures, and evidence that the risk of harm to the environment or public health or safety is not significant during modification or reconstruction.

Not Applicable

2. Ponds, impoundments, banks, dams and embankments.

- a) Submit a general plan which complies with Section 780.25(a)(1) for each proposed sedimentation pond, water impoundment, and coal processing waste bank, dam or embankment to be located within the proposed permit area.

See [Attachment III-B-2\(a\), Addendum to the General Plan.](#)

- b) Submit detailed plans which comply with Section 780.25(a)(2&3) and 816.91-816.93 for each coal mine waste dam and embankment to be constructed on the increment which you currently propose to mine.

N/A

- c) Submit detailed design plans which comply with Sections 780.25(a) (2&3) and 816.49, for each temporary or permanent water impoundment to be constructed on the increment you currently propose to mine.

N/A

- d) Submit detailed design plans, which comply with Sections 780.25(a) (2&3) and 816.81-816.85, for coal mine waste bank to be constructed on the increment you currently propose to mine.

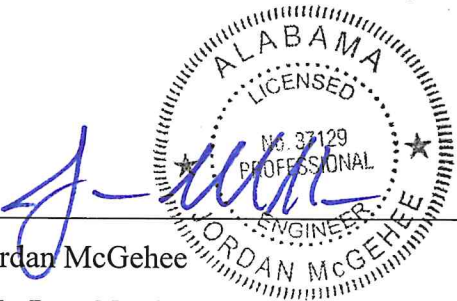
N/A

- e) Submit detailed plans which comply with Sections 780.25(a)(2&3) and 816.91-816.93 for each coal mine waste dam and embankment to be constructed on the increment which you currently propose to mine.

N/A

**GENERAL ENGINEERING PLAN CERTIFICATION STATEMENT**

I, Jordan McGehee, a registered professional engineer, hereby certify that the information, cross sections, data, maps, etc. contained in this addendum to the General Plan in Attachment III-B-2-(a) is true and correct to the best of my knowledge and belief.

  
Jordan McGehee  
AL. Reg. No. 37129

7/24/26

Date

### ADDENDUM TO THE GENERAL PLAN

The addendum to the General Plan consists of adding seven degasification wells. The proposed sites will be cleared and grubbed. Then a pad will be graded so the wells can be constructed. Runoff from this site will be controlled using silt fences. An exemption is requested in accordance with ASMC Regulation 880-X-10D-.13(3) for these sites. Silt fences will be used to control any disturbed runoff while the sites are disturbed. See [Exemption Map](#)

Attached is a [request to Kathy Love](#) for approval to disturb within the 100' offset of Mud Creek.

The permit will remain in place during the site grading and construction activities. Best management practices will be used as required by that permit and placed in strategic locations as approved by the permit. These structures will consist of but not limited to silt fences, hay bale dams, rock check dams, sumps and sediment traps. The type of structure will depend on the size of the drainage area. For small areas and sheet flow silt fences and/or hay bale dams will be used. For larger drainage areas rock check dams and/or sumps and sediment traps will be used. Inspections will be performed on all the structures during the life of the permit to ensure they are functioning as required by the permit. See typical BMP drawings [sumps](#) [silt fences](#), [hay bales](#), and/or [rock dams](#).

**Silt Fence Design and Construction Specifications**

1. Fence height – 3' including 6" trench flap.
2. Silt fencing will be secured into place with prefabricated wood or metal posts spaced as necessary.
3. The silt fence will have an equivalent opening size of 30-50 mesh by U.S. Standard Sieve.
4. The maximum particle size passing the silt fence will be .59 millimeter.
5. The flow rate of the silt fence will be 20 gallons per minute per square foot.
6. The silt fence will have a burst strength of 210 pounds per square inch.
7. The grab tensile elongation of the silt fence will be 15%.
8. The grab tensile strength of the silt fence will be 100 pounds.
9. The silt fence will be installed by initially excavating a trench approximately 6" wide by 6" deep along the contour for the entire length of the silt fence. Upon completion of the trench, the silt fence will be stretched along the trench with the treated hardwood stakes being driven into the ground approximately 1.5' deep against the upper wall of the trench. The 6" trench flap will then be placed into the trench and covered with compacted fill material.
10. Inspections of the silt fence will be made bi-monthly and repair or replacement will be made promptly as required.
11. Monitoring for effluent limitations will be done a minimum of bi-monthly and during all measurable rainfall events.
12. Prior to the removal of the silt fence, any silt or sediment retained by the silt fence will be seeded with a mixture of both annual and perennial grasses, fertilized, and mulched to establish a permanent and diverse vegetative cover.

5. Transportation Facilities (780.33, 780.37)

- (a) Describe the measures to be taken to ensure the interest of the public and landowners affected are protected if disturbance within 100 feet of the right-of-way or relocation of a public road is proposed.
- (b) Describe any unique design, feature, or structure which is necessary for the road to meet the performance standards of Subchapter K using any necessary maps, plans, or cross-sections.

See Permit Map for ancillary roads added by Revision No. 63. See Attachment III-B-5.

- (c) Describe, in detail, the measures to be taken during construction, maintenance and use of the transportation facilities to prevent damage to fish and wildlife and their habitat; public and private property; and erosion, siltation, and pollution of water.

Silt fences, hay filter dams, dust control on roads, vegetation, diversion ditches and other prudent practices will be utilized in controlling runoff. Cut and fill slopes created by road construction shall be grassed to insure stabilization and prevent erosion.

**SPECIFICATION FOR THE CONSTRUCTION, MAINTENANCE AND  
RECLAMATION OF ANCILLARY ROADS**

1. To the extent possible, roads will be located on ridges or on the most stable available slopes to prevent or minimize erosion, downstream sedimentation and flooding in an effort to prevent adverse effects to fish, wildlife and related environmental values.
2. To the extent possible, roads will be located above sediment basins to be constructed for the mining operation in an effort to control or prevent additional contributions of suspended solids to stream flow or runoff outside the permit area and to comply with State and Federal water quality standards applicable to receiving waters and avoid the alteration of the normal flow of water in streambeds of drainage channels while preventing or controlling damage to public or private property. Where it is not possible or is impractical to locate roads in this manner, sediment control devices such as silt fencing, hay bale check dams and rock filter check dams will be used as necessary to maintain water quality.
3. Prior to construction, the roadway will be cleared, grubbed and will have the topsoil removed. The clearing limits will be kept to the minimum necessary to accommodate the roadbed and associated ditch construction.
4. Roads will be constructed of suitable compacted subgrade material and will have a minimum width of ten feet and a maximum width necessary to accommodate the largest equipment traveling the road.
5. No sustained grades will exceed ten percent unless deemed necessary, in which case appropriate sediment control facilities will be constructed. If grades in excess of fifteen percent are required, cross drains, ditch relief drains and road drainways will be located at a minimum distance of three hundred feet.
6. Roads will be constructed so as to have adequate drainage utilizing ditches, cross drains and ditch relief drains. Roads will not be located in the channel of an intermittent or perennial stream unless specifically approved by the Alabama Surface Mining Commission.
7. Routine maintenance will be required to assure that the road continually meets performance standards and will consist of periodic grading, resurfacing, dust suppression and maintenance of sediment control facilities. Dust suppression will consist of the application of water, chemical binders and/or other dust suppressants. No oil will be utilized in this process. Spot seeding, fertilizing and mulching will be performed as necessary to improve vegetative cover on roadway slopes. A road damaged by a catastrophic event shall be repaired as soon as practicable after the damage has occurred.
8. Roads not to be retained as part of the post mine land use shall be reclaimed in accordance with the approved reclamation plan for this permit as soon as practicable after they are no longer needed as part of the mining and reclamation operation, using the following procedures:

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- A. The road will be closed to traffic.
  - B. All bridges, culverts and other drainage structures not approved as part of the post mine land use will be removed.
  - C. All road surfacing materials that are not compatible with the post mine land use or revegetation requirements will be properly disposed of on-site or removed from the site for reuse.
  - D. Roadway cut and fill slopes shall be regraded and reshaped to be compatible with the post mine land use and to compliment the natural drainage pattern of the surrounding terrain.
  - E. The natural drainage patterns shall be protected from surface runoff and erosion utilizing the installation of dikes and/or cross drains as necessary.
  - F. The roadbed shall be ripped or scarified as necessary, the topsoil or substitute or approved growing medium shall be replaced and revegetated in accordance with the approved reclamation plan for this permit.
9. The following drawings illustrate [typical roadbed configurations for ancillary roads.](#)