

CANE CREEK, LLC

PRATT NO. 1 MINE, P-3972, R-5

ALABAMA SURFACE MINING COMMISSION

PERMIT REVISION APPLICATION

PART III

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 Attachment III-A-1

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)

Increment No.	Acres	Date From	To
4	12	Date of Issuance	60 Months
1	18	Date of Issuance	60 Months
3	40	Date of Issuance	60 Months

The sequence of mining operations will be generally as follows:

- 1) Construction of sediment control structures
- 2) Site Preparation
- 3) Development
- 4) Mining
- 5) Site Reclamation and Revegetation

Originally Pratt No. 1 Mine was operated as an underground coal mine with coal preparation. The underground operation has been abandoned at this time. In the future it may be re-opened and operations may resume.

At this time the preparation plant is processing coals from other mines. Coarse refuse is being produced and used to construct Coarse Refuse Area No. 1.

A belt press was installed within the last year in the preparation plant. This presses the excess moisture from the thickener underflow (fine coal waste, slurry) and forms a cake. This cake is then transferred to the belt containing the coarse coal refuse and transported to the Coarse Refuse Area No. 1.

1. Attach a narrative explaining the construction, modification, use, maintenance, and removal of the following facilities:

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

See Attachment III-A-3(a)

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

See Attachment III-A-3(b)

(c) Mine facilities. None added in Revision R-5

III-A-3(a) Coal removal, handling, storage, cleaning and transportation structures and facilities

Revision No. 5 proposes the processing of coal mined by other companies. Cane Creek, LLC proposes to accept coal from other mines, process the coal for shipment. The coal will be trucked to the raw coal pile and processed at the existing preparation plant. Once the coal is processed it will be loaded into trucks and shipped to the end user.

III-A-3(b) Spoil, coal processing waste and non-coal waste removal, handling, storage, transportation and disposal structures and facilities

Revision No. 5 submits modification plans for Coarse Refuse Area No. 1. This modification to the Coarse Refuse Area No. 1 addresses using a co-mingled material (coarse and fine refuse) as fill material on the dump. A belt press is used to press the moisture out of the slurry from the washer on site, forming slurry cakes. These cakes are transported by a belt system to the refuse, where it is mixed and transported by a belt system to the coarse refuse area.

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.

See Attached Modification Plans for [Coarse Refuse Area No. 1](#).

- 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, Robert W. Usher, a registered professional engineer, hereby certify that the information, cross-sections, data, maps, etc., contained in this general plan in Attachment III-B-2-A is true and correct to the best of my knowledge and belief.

McGehee Engineering Corp.

**Robert W. Usher
Professional Engineer
Alabama License Number 15917**

Date

ADDENDUM TO THE GENERAL PLAN

This addendum proposes to modify the Coarse Refuse Area No. 1. The modification addresses the use of co-mingled coarse refuse (fines and coarse) to be used in the construction of the fill. It also addresses the final geometry, drainage structures and slope stabilization.. See attached modification plans for Coarse Refuse Area No. 1.

This revision also addresses the processing of offsite coals from other mining companies. The refuse from these coals will be monitored for moisture and proctor densities. Placement and compaction will be the same as listed above. Field density testing will be performed as required by the approved plan.

DISPOSAL OF COAL MINE WASTE CONSTRUCTION SPECIFICATIONS AND REQUIREMENTS

1. The proposed fill site will be cleared of all vegetative organic material and topsoil. All topsoil shall be stockpiled and revegetated within the permit boundary for redistribution unless a topsoil waiver is approved. Soils and non-competent material will be excavated down to competent material prior to the placement of the fill material.
2. The placement of coal mine waste will commence at the lowest elevation of the immediate fill area. The fill material (coarse refuse) will be placed in maximum two (2) foot horizontal lifts and compacted to a minimum of 90% of the standard proctor density across the fill area to ensure mass stability and to prevent mass movement of the structure during and after construction. Compaction will be accomplished using rubber tired or track equipment that is available at the site.
3. Material will be placed and compacted as outlined above and along lines and grades as shown in the detail design plans. Benches and slopes will conform to the detail design plans.
4. Upon final placement of the fill material, the sites will have been graded to conform with the slope requirements of these plans. The final slopes of the fill will be graded so as no portion will exceed that which is required to attain a minimum static safety factor of 1.5 to assure stability.
5. Upon completion of rough grading, all diversions, terraces and down drains will be graded and constructed to their final configuration.

**CANE CREEK, LLC.
PRATT NO. 1 MINE, P-3972, R-5
ATTACHMENT III-B-2(a)**

6. Prior to placement of final cover material the refuse will be sampled to determine liming requirements necessary. Placement of lime will be performed at this time. These procedures are outlined in the detail design plans.
7. Upon completion of the placement of cover material, riprap with concrete overlay will be placed in the down drains in accordance with the approved plan.
8. Upon completion of riprap placement in the down drains, all disturbed area will be fertilized, seeded, limed, and mulched, in accordance with the approved reclamation plan in the original permit application, to stabilize the area and prevent erosion. Soil amendments will be added as necessary to improve growth and coverage of vegetation.
9. The final configuration of the fill will blend with the adjacent areas and will be suitable for the post mining land use of undeveloped land.
10. No plans for removal of this structure is necessary, due to the fact all excess spoil fills are permanent structures.