

**KODIAK MINING COMPANY, LLC
COKE MINE NO. 1, P-3887, R-5**

KODIAK MINING COMPANY, LLC.

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REVISION R-5

ALABAMA SURFACE MINING COMMISSION

SURFACE MINING PERMIT APPLICATION

P A R T I I

Prepared by:

MCGEHEE ENGINEERING CORP.

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LANDUSE & VEGETATION:

McGehee Engineering Corp.
P. O. Box 3431
Jasper, Alabama 35502-3431

FISH & WILDLIFE:

U. S. Department of Interior Fish and Wildlife Service
Larry E. Goldman, Field Survey
P. O. Box 1190
Daphne, Alabama 36526

SOILS:

U. S. Department of Agriculture
Walker County Soil Conservation Service
Walker County, Alabama

**GEOLOGY, WATER QUANTITY,
WATER QUALITY:**

McGehee Engineering Corp.
P. O. Box 3431
Jasper, Alabama 35502-3431

**ARCHAEOLOGICAL, CULTURAL,
AND HISTORICAL RESOURCES:**

University of Alabama Museums
Office of Archaeological Research
13075 Moundville Archaeological Park
Moundville, AL 35474

WETLAND DESIGNATION:

U. S. Department of Interior Army Corps of Engineers
P. O. Box 2288
Mobile, Alabama 36628-0001

**NATURAL RESOURCES,
AND CONSERVATION:**

Alabama Department of Conservation
and Natural Resources
John Hornsby
64 North Union Street
Montgomery, Alabama 36130

PART II - Environmental Resources Information

A. Fish, Wildlife and Environmental Values

- (1) Describe the measures to be taken, using the best technology currently available to minimize disturbances and adverse impacts to fish and wildlife and achieve enhancement of this resource where practicable within the proposed permit area. [780.18(b), 816.97(a)]

SEE ATTACHED FISH AND WILDLIFE ENHANCEMENT AND PROTECTION PLAN

- (2) Describe in detail the measures to be taken to restore or enhance, or steps to be taken to avoid disturbance of, habitats of unusually high value for fish and wildlife located within the proposed permit area.[780.18(b)(6), 816.97(d)(2)]

SEE ATTACHED FISH AND WILDLIFE ENHANCEMENT AND PROTECTION PLAN

- (3) Are there any wetland areas such as streams, lakes, marshes, etc. located in or adjacent to the proposed permit area which will be disturbed by the mining activities? [780.18(b)(6), 816.97(d)(3&4)] () Yes. (XX) No.

If yes, briefly describe the feature(s), its location and the extent of the proposed disturbance. Describe in detail measures to be taken to restore the area.

SEE ATTACHED FISH AND WILDLIFE ENHANCEMENT AND PROTECTION PLAN

If a stream channel diversion is proposed, describe in detail (including maps, diagrams or cross sections, if necessary) how the provisions of 816.44(d) will be met. Include a copy of all other necessary State or Federal approvals.

Not Applicable - None Proposed

- (4) Is fish and wildlife habitat to be primary or secondary post-mining land use? [780.18(b)(5)]
() Yes (XX) No

If yes, describe in detail the post-mining measures to be taken to attain this land use including the target specie(s) of wildlife, plant species to be used and a map delineating the proposed arrangement of plant groupings and water sources on the permit area following reclamation.

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- (5) If the pre-mining land use is fish and wildlife habitat and the proposed post-mining land use is cropland, describe the post-mining provisions to be made for wildlife. Attach a map showing the location of trees, hedges, or fence rows to be used to diversify habitat types if appropriate. [780.18(b)(5)]

Not Applicable.

- (6) If the post-mining land use is to be residential, commercial or industrial, describe the post-mining provisions to be made for wildlife such as greenbelts, trees, or hedgerows composed of plant species useful for wildlife. [780.18(b)(5)]

SEE ATTACHED FISH AND WILDLIFE ENHANCEMENT AND PROTECTION PLAN

- (7) If any exceptions to Section 816.117(c)(1-3) are proposed, describe in detail the proposed practice including target species of wildlife, plant species to be used, planting rate and/or stocking density, planting pattern with appropriate map and anticipated results of the proposed practice.

Not Applicable.

B. Cultural, Historical and Archaeological Resources

- (1) Describe and identify any cultural or historical resources located in or adjacent to the proposed permit area which are listed on the National Register of Historic Places. Delineate the location of the resources on the permit map. Describe in detail the measures to be taken to minimize or prevent adverse impacts on the resources(s). (779.12, 780.14, 780.31)

Comments from the Alabama Historical Commission are forthcoming.

- (2) Describe and identify any known significant archaeological sites located in or adjacent to the proposed permit area. The description shall be based on all available information including, but not limited to, data of State and local archaeological agencies. Delineate the site(s) on the permit map. (779.12, 780.14)

Comments from the Alabama Historical Commission are forthcoming.

C. Threatened and Endangered Species

Identify any threatened or endangered species of plants or animals or critical habitats of such species located in or adjacent to the proposed permit area. Delineate the location of the specie(s) or habitat(s) on the permit map. (780.14)

[SEE ATTACHED FISH AND WILDLIFE ENHANCEMENT AND PROTECTION PLAN](#)

Comments from the U. S. Department of Interior Fish and Wildlife Service and Alabama Department of Conservation are forthcoming.

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I. Land Use Information

- (1) Describe in detail the land use(s) existing at the time of the application. Give the number of acres and describe sufficiently so that areas can be identified on a map. If necessary, include a map showing land use units. (779.22)

<u>Increment</u>	<u>Area</u>	<u>Land Use</u>
1	159.0 Acres	Undeveloped/No Current Use
2	59.0 Acres	Undeveloped/No Current Use
3	437.0 Acres	Undeveloped/No Current Use
4	15.0 Acres	Undeveloped/ No Current Use
5	40.0 Acres	Undeveloped/ No Current Use

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(2) Give the applicable land use classification under local law, if any. (779.22)

Not Applicable

(3) Is any of the area prime farmland? (779.27, 785.17)

Yes No

If yes, submit the information required in Section 785.17.

If no, show or state how the determination was made.

See Attachment II-I-(3), [Soils Map](#)

(4) Has the land use of any area on the proposed permit changed within the last 5 years?
(779.22) Yes. No.

If yes, identify those areas and describe their historic use.

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- (5) Has any area within the proposed permit been previously mined? (779.22)
 Yes No

If yes, complete the following:

- (a) Describe the area or show on a map.

See [Permit Map](#)

- (b) Was the area reclaimed? Yes No

If yes, under what law? 1969, 1975, Interim Law.

- (c) Describe the land use of the area prior to any mining, or if this cannot be determined, describe the land use(s) of surrounding unmined land. (779.22)

The area adjacent to the permit area is made of unmanaged timberland and previously mined area.

- (6) Describe in detail, land uses of areas adjacent to the proposed permit area. (779.22)

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(7) Discuss the capability of the lands within the permit area to support a variety of land uses other than the current use. (779.22)

SOIL TYPE	MAP SYMBOL	PASTURE	GRASS-HAY	TALL FESCUE
Brilliant Very Channery Loam 6 - 45% Slopes	BrF	--	--	--
Nauvoo-Sunlight Complex	NcE	--	--	--

Data obtained from the Shelby County Soil Conservation Services.

(8) Give the premining productivity of the proposed permit area based on actual yield data or estimates based on data from similar sites. (If estimates, give sources of data used.) (779.22)

See Attachment II-I-(3), Soils Map

SOIL TYPE	MAP SYMBOL	SITE INDEX	SPECIES
Brilliant Very Channery Loam 6 - 45% Slopes	BrF	80	Loblolly Pine
Nauvoo-Sunlight Complex	NcE	89	Loblolly Pine

Data obtained from the Shelby County Soil Conservation Services.