

NOTICE OF INTENT – GENERAL PERMIT NUMBER ALG850000

NPDES PERMIT NUMBER ALG850000 IS A GENERAL PERMIT AUTHORIZING DISCHARGES FROM THE MINING AND PROCESSING (WET AND DRY) OF NON-COAL, NON-METALLIC CONSTRUCTION AGGREGATE, CONSTRUCTION SAND AND GRAVEL, CHERT OR DIRT, AND AREAS ASSOCIATED WITH THESE ACTIVITIES.

**Mail to: Alabama Department of Environmental Management
Water Division
Post Office Box 301463
Montgomery, Alabama 36130-1463**

FOR OFFICE USE ONLY

NPDES PERMIT NUMBER _____

RECEIPT NUMBER _____

PLEASE COMPLETE ALL QUESTIONS. RESPOND WITH "N/A" AS APPROPRIATE. INCOMPLETE OR INCORRECT ANSWERS, OR MISSING SIGNATURES WILL DELAY PROCESSING. IF SPACE IS INSUFFICIENT, CONTINUE ON AN ATTACHED SHEET(S) AS NECESSARY. ATTACH OTHER INFORMATION AS NEEDED. COMMENCEMENT OF ACTIVITIES APPLIED FOR AS DETAILED IN THIS APPLICATION ARE NOT AUTHORIZED UNTIL PERMIT COVERAGE HAS BEEN ISSUED BY THE DEPARTMENT. PLEASE TYPE OR PRINT LEGIBLY IN BLUE OR BLACK INK.

DISCHARGES NOT COVERED BY GENERAL PERMIT ALG850000

If the facility will have any of the following discharges please contact the Mining and Natural Resources Section of ADEM before proceeding:

- A. Discharges to a waterbody designated as Outstanding National Resource Water (ONRW) or Outstanding Alabama Water (OAW)
- B. Discharges to a waterbody that is included on Alabama's current §303(d) list for a pollutant of concern
- C. Discharges to a waterbody included in an EPA approved or EPA established Total Maximum Daily Load (TMDL) for a pollutant of concern if the discharges are not consistent with the EPA approved or EPA established TMDL

PURPOSE OF THIS APPLICATION

- | | |
|---|---|
| <input type="checkbox"/> Initial NOI for New Facility | <input type="checkbox"/> Initial NOI for Existing Facility (Previous NPDES Permit AL _____) |
| <input type="checkbox"/> Modification of General Permit No. ALG _____ | <input type="checkbox"/> Reissuance of General Permit No. ALG _____ |
| <input type="checkbox"/> Transfer of General Permit No. ALG _____ | <input type="checkbox"/> Other _____ |

I. PERMITTEE INFORMATION

Permittee Name	Responsible Official Phone Number
Responsible Official and Title	Responsible Official E-Mail Address
Responsible Official (RO) Street/Physical Address	City, State, and Zip Code
Responsible Official (RO) Mailing Address	City, State, and Zip Code

II. FACILITY INFORMATION

Facility/Site Name	Facility/Site Contact and Title	
Facility/Site Street Address or Location Description	City, State, and Zip Code	
Facility Front Gate Latitude and Longitude	Facility/Site Contact Phone Number	Facility/Site Contact Email Address
County(s) _____		
Township(s), Range(s), Section(s) _____		
Detailed Directions to Site _____		

III. ACTIVITY DESCRIPTION

List relative percentages of the mineral(s) or mineral product(s) that are proposed to be and/or are currently mined, prepared, processed, handled, transloaded, or disposed at the facility. **If more than one mineral is to be mined, list the relative percentages of each mineral by tonnage for the life of the mine.**

_____ Dirt and/or Chert _____ Sand and/or Gravel _____ Common Clay
 _____ Other: _____ _____ Other: _____
 _____ Other: _____ _____ Other: _____

Area of the permitted site: Total site area in acres: _____ Total disturbed area in acres: _____

Primary SIC Code: _____ Description: _____

Secondary SIC Code(s): _____ Description: _____

Narrative Description of Activity: _____

IV. MINING ACTIVITY TO BE CONDUCTED

Type(s) of activity presently conducted at applicant's existing facility or proposed to be conducted at facility (check all that apply):

- Surface mining Auger mining Hydraulic mining Mineral storing
- Mineral dry processing (crushing & screening) Mineral wet preparation Mineral loading
- Construction related temporary borrow pits/areas Mineral transportation ___rail ___barge ___truck
- Grading, clearing, grubbing, etc. Excavation
- Pre-mining logging or land clearing Waterbody relocation or other alteration Creek/stream crossings
- Onsite construction debris or equipment storage/disposal Onsite mining debris or equipment storage/disposal
- Reclamation of disturbed areas Chemicals used in process or wastewater treatment (coagulant, biocide, etc.)
- Mining a portion of a larger unreclaimed area
- Other: _____
- Other: _____

VI. FUEL- CHEMICAL HANDLING, STORAGE & SPILL PREVENTION CONTROL & COUNTERMEASURES (SPCC) PLAN

A. Will fuels, chemicals, compounds, or liquid waste be used or stored onsite? Yes No

B. If "Yes," identify the fuel, chemicals, compounds, or liquid waste and indicate the volume of each:

<i>Volume</i>	<i>Contents</i>	<i>Volume</i>	<i>Contents</i>	<i>Volume</i>	<i>Contents</i>
_____ gallons	_____	_____ gallons	_____	_____ gallons	_____
_____ gallons	_____	_____ gallons	_____	_____ gallons	_____

C. If "Yes," a detailed SPCC Plan with acceptable format and content, including diagrams, must be attached to application in accordance with ADEM Admin. Code R. 335-6-6-.12(r).

VII. TOPOGRAPHIC MAP SUBMITTAL

Attach to this application a 7.5 minute series USGS topographic map(s) no larger than 11 by 17 inches (several pages may be necessary), of the area extending to at least one mile beyond property boundaries. The topographic map(s) must include a caption indicating the name of the topographic map, name of the applicant, facility name, county, and township, range, & section(s) where the facility is located. The topographic map(s), at a minimum, must show:

- (a) An outline of legal boundary of entire property (property lines and lease boundaries)
- (b) An outline of the facility
- (c) Proposed and existing discharge points
- (d) Perennial, intermittent, and ephemeral streams

VIII. RECEIVING WATERS

List the requested permit action for each outfall (issue, reissue, delete, move, etc), outfall point number and designation denoting “E” for existing and “P” for proposed outfalls (ex. 001E or 002P), name of receiving water(s), latitude and longitude of location(s) of each discharge point, distance of receiving water from outfall in feet, and the waterbody use classification. If this application is for a modification to an existing permit do not change the numbering sequence of the permitted outfalls.

Action	Outfall E/P	Receiving Water(s)	Latitude	Longitude	Distance to Rec. Water	Waterbody Use Classification

IX. DISCHARGE STRUCTURE DESCRIPTION & ORIGIN

List the outfall point number and designation denoting “E” for existing and “P” for proposed outfalls (ex. 001E or 002P), as it appears on the map(s) required by this application, describe each discharge structure (e.g., pipe, spillway, channel, tunnel, conduit, well, discrete fissure, or container), and identify the method of discharge.

Outfall E/P	Discharge Structure Description	Surface Discharge	Groundwater Discharge	Wet Prep -Other Production Plant	Pumped or Controlled Discharge	Other

X. POLLUTION ABATEMENT & PREVENTION (PAP) PLAN

A PAP Plan in accordance with Part III.C of the general permit, and ADEM Admin. Code r. 335-6-9-.03, including Appendices A & B, must be completed and attached as part of this application.

XI. GENERAL INFORMATION

Please This application and the appropriate application fee must be submitted concurrently. The application fee for Mineral/Resource Extraction Mining, Storage, Transloading, and/or Dry Processing facilities and Wet Preparation, Processing, and/or Beneficiation facilities are in Fee Schedule D of ADEM Admin. Code div.335-1. An additional \$895 Greenfield Site fee must be submitted for the initial operation of a new facility or a facility or operation not previously permitted.

XII. POLLUTION ABATEMENT PLAN (PAP) SUMMARY (a separate page should be used for each different outfall design)

Y	N	N/A	Outfall(s):
			Runoff from all areas of disturbance is controlled
			Drainage from pit area, stockpiles, and spoil areas directed to a sedimentation pond
			Drainage from haul roads and other minor disturbed areas treated before discharge
			Sedimentation basin at least 0.25 acre/feet for every acre of disturbed drainage
			Sedimentation basin cleaned out when sediment accumulation is 60% of design capacity
			Trees, boulders, and other obstructions removed from pond during initial construction
			Width of top of dam greater than 12'
			Side slopes of dam no steeper than 3:1
			Cutoff trench at least 8' wide
			Side slopes of cutoff trench no less than 1:1
			Cutoff trench located along the centerline of the dam
			Cutoff trench extends at least 2' into bedrock or impervious soil
			Cutoff trench filled with impervious material
			Embankments and cutoff trench 95% compaction standard proctor ASTM
			Embankment free of roots, tree debris, stones >6" diameter, etc.
			Embankment constructed in lifts no greater than 12"
			Spillpipe sized to carry peak flow from a one year storm event
			Spillpipe will not chemically react with effluent
			Subsurface withdrawal used
			Anti-seep collars extend radially at least 2' from each joint in spillpipe
			Splashpad at the end of the spillpipe
			Emergency Spillway sized for peak flow from 25-yr 24-hr event if discharge not into PWS classified stream
			Emergency spillway sized for peak flow from 50-yr 24-hr event if discharge is into PWS classified stream
			Emergency overflow at least 20' long
			Side slopes of emergency spillway no steeper than 2:1
			Emergency spillway lined with riprap or concrete
			Minimum of 1.5' of freeboard between normal overflow and emergency overflow
			Minimum of 1.5' of freeboard between max. design flow of emergency spillway and top of dam
			All emergency overflows are sized to handle entire drainage area for ponds in series
			Dam stabilized with permanent vegetation
			Sustained grade of haul road <10%
			Maximum grade of haul road <15% for no more than 300'
			Outer slopes of haul road no steeper than 2:1
			Outer slopes of haul road vegetated or otherwise stabilized
			Detail drawings supplied for all stream crossings
			Short-Term Stabilization/Grading and Temporary Vegetative Cover Plans
			Long-Term Stabilization/Grading and Permanent Reclamation or Water Quality Remediation Plans

IDENTIFY AND PROVIDE DETAILED EXPLANATION FOR ANY "N" OR "N/A" RESPONSE(s):

XIII. POLLUTION ABATEMENT PLAN (PAP) REVIEW CHECKLIST

Y	N	N/A

PE Seal with License #
 Name and Address of Operator
 Legal Description of Facility

General Information:

Name of Company
 Products to be Mined
 Hours of Operation
 Water Supply and Disposition

Topographic Map:

Mine Location
 Location of Prep Plant
 Location of Treatment Basins
 Location of Discharge Points
 Location of Adjacent Streams

1" - 500' or Equivalent Facility Map:

Drainage Patterns
 Mining Details
 All Roads, Structures Detailed
 All Treatment Structures Detailed

Detailed Design Diagrams:

Plan Views
 Cross-section Views
 Method of Diverting Runoff to Treatment Basins

Narrative of Operations:

Raw Materials Defined
 Processes Defined
 Products Defined

Schematic Diagram:

Points of Waste Origin
 Collection System
 Disposal System

Post Treatment Quantity and Quality of Effluent:

Flow
 Suspended Solids
 pH

Description of Waste Treatment Facility:

Pre-Treatment Measures
 Recovery System
 Expected Life of Treatment Basin
 Schedule of Cleaning and/or abandonment

Other:

Precipitation/Volume Calculations/Diagram Attached
 BMP Plan for Haul Roads
 Measures for Minimizing Impacts to Adjacent Stream i.e., Buffer Strips, Berms, etc.
 Methods for Minimizing Nonpoint Source Discharges
 Facility Closure Plans
 PE Rationale(s) For Alternate Standards, Designs or Plans

IDENTIFY AND PROVIDE DETAILED EXPLANATION FOR ANY "N" OR "N/A" RESPONSE(s):

XIV. PROFESSIONAL ENGINEER (PE) CERTIFICATION

A detailed, comprehensive Pollution Abatement/Prevention Plan (PAP) must be prepared, signed, and certified by a professional engineer (PE), registered in the State of Alabama as follows: "I certify under penalty of law that technical information and data contained in this application, and a comprehensive Pollution Abatement Plan (PAP Plan), including any attached SPCC plan, maps, engineering designs, etc. acceptable to ADEM, for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff has been prepared under my supervision for this facility utilizing effective, good engineering and pollution control practices and in accordance with the provisions of ADEM Admin. Code Division 335-6, including Chapter 335-6-9 and Appendices A & B. If the PAP Plan is properly implemented and maintained by the Permittee, discharges of pollutants can reasonably be expected to be effectively minimized to the maximum extent practicable and according to permit discharge limitations and other permit requirements. The applicant has been advised that appropriate pollution abatement/prevention facilities and structural & nonstructural management practices or Department approved equivalent management practices as detailed in the PAP Plan must be fully implemented and regularly maintained as needed at the facility in accordance with good sediment, erosion, and other pollution control practices, permit requirements, and other ADEM requirements to ensure protection of groundwater and surface water quality."

Address _____ PE Registration # _____
Name & Title (type or print) _____ Phone Number _____
Signature _____ Date Signed _____

XV. OPERATOR - RESPONSIBLE OFFICIAL SIGNATURE

This application must be signed by a Responsible Official of the applicant pursuant to ADEM Admin. Code Rule 335-6-6-.09 who has overall responsibility for the operation of the facility. "I certify under penalty of law that this document, including technical information and data, the PAP Plan, including any SPCC plan, maps, engineering designs, and all other 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 PE and other 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 or imprisonment for knowing violations. A comprehensive PAP Plan to prevent and minimize discharges of pollution to the maximum extent practicable has been prepared at my direction by a PE for this facility utilizing effective, good engineering and pollution control practices and in accordance with the provisions of ADEM Admin. Code Division 335-6, including Chapter 335-6-9 and Appendices A & B, and information contained in this application, including any attachments. I understand that regular inspections must be performed by, or under the direct supervision of, a PE and all appropriate pollution abatement/prevention facilities and structural & nonstructural management practices or Department approved equivalent management practices identified by the PE must be fully implemented prior to and concurrent with commencement of regulated activities and regularly maintained as needed at the facility in accordance with good sediment, erosion, and other pollution control practices and ADEM requirements. I understand that the PAP Plan must be fully implemented and regularly maintained so that discharges of pollutants can reasonably be expected to be effectively minimized to the maximum extent practicable and according to permit discharge limitations and other requirements to ensure protection of groundwater and surface water quality. I understand that failure to fully implement and regularly maintain required management practices for the protection of groundwater and surface water quality may subject the Permittee to appropriate enforcement action. I certify that this form has not been altered, and if copied or reproduced, is consistent in format and identical in content to the ADEM approved form. I further certify that the discharges described in this application have been tested or evaluated for the presence of non-stormwater discharges and any non-mining associated beneficiation/process pollutants and wastewaters have been fully identified."

Name (type or print) _____ Official Title _____
Signature _____ Date Signed _____