



Sand and Gravel Seminar November 4 & 5, 2019 Montgomery, Alabama

Small Mining General Permit

Blake Pruitt, Chief
Special Services Unit
Stormwater Management Branch
Water Division

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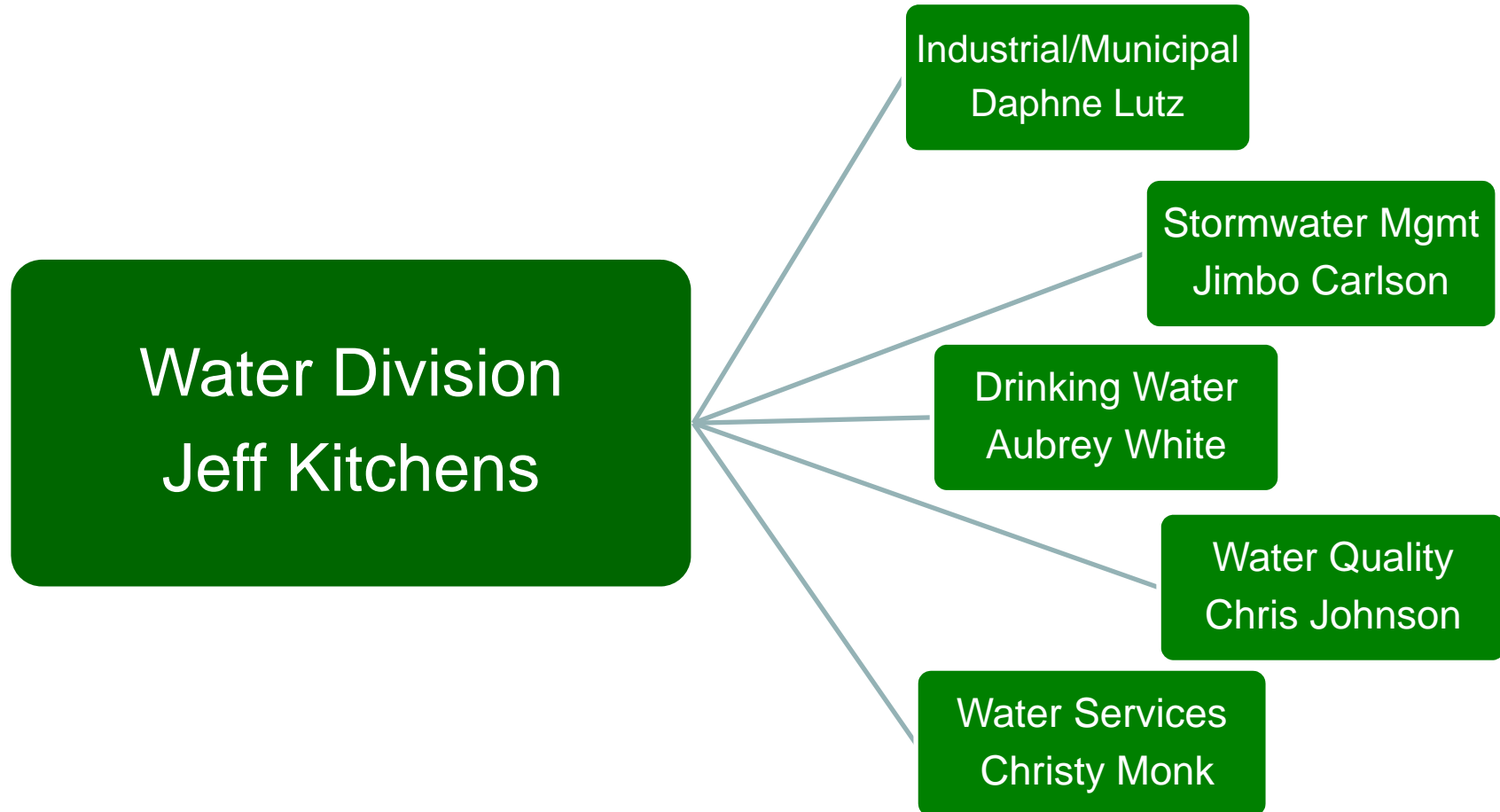


Topics

- Organizational Structure
- Mining Permitting Options
- Small Mining General Permit
- Common Compliance Issues

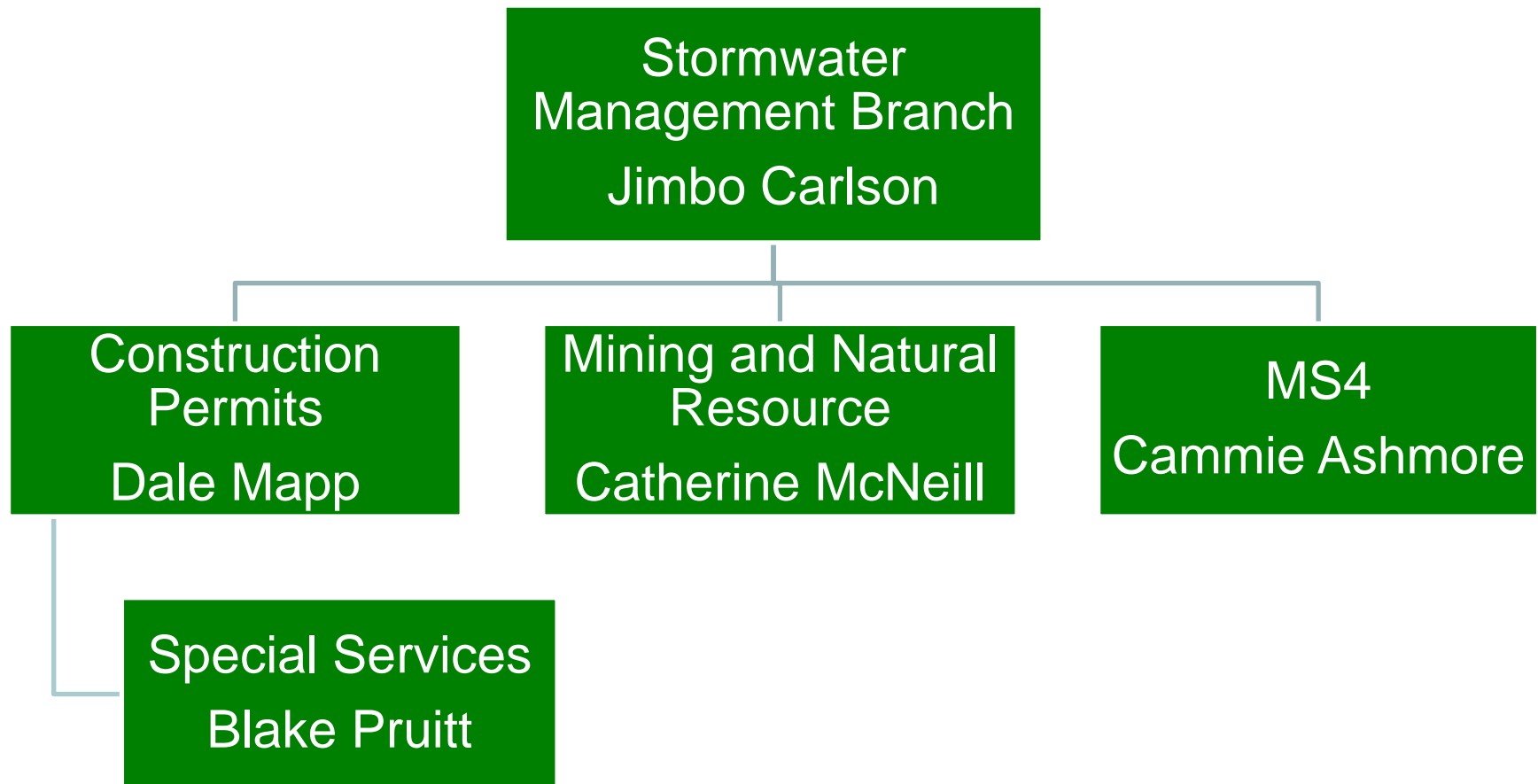


Organizational Chart





Organizational Chart





Mining Permitting Options

- Three Options
 - Small Mining General Permit – ALG890000
 - Sand and Gravel General Permit – ALG850000
 - Individual Sand and Gravel Permit



Permit Coverage

Part I.A

- Authorizes discharges associated with noncoal/nonmetallic mining (as defined in Part IV.EE.23) and dry processing, and areas associated with these activities, where such activities will result in a cumulative land disturbance **of less than 5 acres** of land at any one time over the life of the mining activity.
 - Noncoal/nonmetallic mining
 - Dry Processing
 - <5 acres of disturbed land

Part II.D.1. – Authorization to Discharge:

- Any person wishing to be permitted to discharge under this general permit shall submit a Notice of Intent to be covered by this general permit at least thirty (30) days prior to the date of desired coverage. No discharge authorized under this permit may commence until the discharger receives the Director's acknowledgement of the NOI and approval of the coverage of the discharge by this permit. The Director's acknowledgement shall include a copy of this permit.

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ALG890000



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT GENERAL PERMIT

DISCHARGE AUTHORIZED: DISCHARGES FROM SMALL NONCOAL/NONMETALLIC MINING AND DRY PROCESSING
AND AREAS ASSOCIATED WITH THESE ACTIVITIES

AREA OF COVERAGE: THE STATE OF ALABAMA

PERMIT NUMBER: ALG890000

RECEIVING WATERS: ALL WATERS OF THE STATE OF ALABAMA

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1388 (the "FWPCA"), the Alabama Water Pollution Control Act, as amended, Code of Alabama 1975, §§ 22-22-1 to 22-22-14 (the "AWPCA"), the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-17, and rules and regulations adopted thereunder, and subject further to the terms and conditions set forth in this permit, the Permittee is hereby authorized to discharge into the above-named receiving waters.

ISSUANCE DATE: JANUARY 3, 2018

EFFECTIVE DATE: FEBRUARY 1, 2018

EXPIRATION DATE: JANUARY 31, 2023

Glenn L. Bean

Alabama Department of Environmental Management

Submittal Requirements:

- Submittal of Notice of Intent (NOI) –
 - ADEM Form 498
<http://www.adem.state.al.us/DeptForms/Form498.pdf>
- Correct Fee (Currently \$1385)
- Submittal of USGS topo map
- BMP Plan-for impaired waters only

- Submittal Requirements (cont'd):
 - Best Management Practices Plan, or BMP Plan, for discharges to:
 - waters listed on the most recently EPA approved 303(d) list
 - a waterbody for which a TMDL has been approved or established by EPA
 - waters assigned the OAW, ONRW and TAL use classifications



Electronic Submittal

- Part II.D.1.
 - The permittee must complete and submit the NOI electronically, using the Department's e-NOI system, unless the permittee submits in writing valid justification as to why the electronic submittal process cannot be utilized and the Department approves in writing



Electronic Submittal

The screenshot shows the ADEM website homepage. On the left is a vertical navigation menu with links such as "ADEM Forms", "ADEM Programs", "Alabama Environmental Regulations and Laws", "Compliance Information", "Environmental Management Commission", "Inside ADEM", "More Information", "Notices and Events", and "Contact Us". Below the menu is a "Submit" button and a search bar. The main content area has a green header with "Alabama Department of Environmental Management" and a "Home" link. Below this is a large image of a waterfall with the caption "Lower High Falls, Talladega Forest - Bill Wilson". The text "Welcome to ADEM" is followed by a paragraph about Alabama's natural resources. Below that is a section for "Upcoming Events and Latest News" with a date "January 15, 2015" and the event "26th Annual Nonpoint Source Conference". On the right side of the page is a vertical column of service links: "eGov Portal" (circled in red), "Complaints", "Calendar", "What's Happening In Your County", "Permit Wizard", "eFile", "E-Verify", and "UST Delivery Prohibition List". A red arrow points from the "eGov Portal" link to the "Upcoming Events" section.

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Electronic Submittal

ADEM Alabama Department of Environmental Management

ADEM Forms
ADEM Programs
Alabama Environmental Regulations and Laws
Compliance Information
Environmental Management Commission
Inside ADEM
More Information
Notices and Events
Contact Us

Enter your email address to sign up for ADEM Email Notifications!

Search the ADEM Website:

☐

e-Government Portal

eDMR (electronic Discharge Monitoring Reports)/eSSO (electronic Sanitary Sewer Overflow)
The E2 DMR and SSO system provides wastewater facilities with an alternative way to submit DMR and SSO data and allow the ADEM to electronically validate the data, acknowledge receipt, and upload data to state's central wastewater database.

eDWRS (electronic Drinking Water Reporting System)
The eDWRS provides drinking water facilities with a way to submit MOR, CCR, and DWR data and allow the ADEM to electronically validate the data, acknowledge receipt, and upload data to state's central drinking water database.

eNOI (electronic Notice of Intent)
The eNOI system is an electronic method for submitting a Notice of Intent (NOI) for coverage under a General NPDES Permit. This electronic system allows for the submittal of the NOI and other required documents as well as required payment.

ePay
ePay allows for the electronic payment of various fees to the ADEM. Click the link below that corresponds to the fee you wish to pay.
[Bacteriological Sample Analysis](#)
[Water/Wastewater Operator Certification](#)
[Smoke School](#)
[Underground Storage Tanks](#)
[General Invoice \(payments not applicable to above\)](#)

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Notice of Intent

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT NOTICE OF INTENT – NPDES GENERAL PERMIT NUMBER ALG890000

NPDES Permit Number ALG890000 is a general permit authorizing discharges from small noncoal/nonmetallic mining and dry processing and areas associated with these activities. Please complete all questions. Incomplete or incorrect answers, or missing signatures will delay processing. Attach BMP plan and/or other information as needed. Commencement of activities applied for in this Notice of Intent (NOI) are not authorized until permit coverage has been issued by the Department.

DISCHARGES NOT COVERED BY GENERAL PERMIT ALG890000

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

1. Discharges from wet processing of mined materials;
2. Discharge(s) from any mining operation that at any time has a total area of land disturbance that equals or exceeds five (5) acres in size; or
3. Discharge(s) from any mining operations where the planned or proposed area of total land disturbance currently equals or exceeds, or will equal or exceed five (5) acres in size.

PURPOSE OF THIS NOI

- | | |
|---|---|
| <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. ALG89 _____ | <input type="checkbox"/> Reissuance of General Permit ALG89 _____ |
| <input type="checkbox"/> Transfer of General Permit No. ALG89 _____ | <input type="checkbox"/> Other _____ |

I. PERMITTEE INFORMATION

Permittee Name	Responsible Official Phone Number
Responsible Owner/Operator or Official, and Title	Responsible Official E-Mail Address
Responsible Official (RO) Mailing Address	City, State, and Zip Code
Responsible Official (RO) Street/Physical Address	City, State, and Zip Code
<input type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> LLC <input type="checkbox"/> LLP <input type="checkbox"/> Government Agency <input type="checkbox"/> Other _____	

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 (decimal or deg,min,sec)	Facility/Site Contact Phone Number
County(s)	Facility/Site Contact e-Mail Address
Detailed Directions to Facility/Site	

III. ACTIVITY DESCRIPTION

Please Specify Material to be Mined: <input type="checkbox"/> Dirt and/or Chert <input type="checkbox"/> Sand and/or Gravel <input type="checkbox"/> Shale <input type="checkbox"/> Common Clay <input type="checkbox"/> Other _____	
Narrative Description of Activity	
Primary SIC Code:	Primary NAICS Code:



Notice of Intent

IV. PROPOSED SCHEDULE

Anticipated Activity Schedule	Commencement Date:	Completion Date:
Area of Permitted Facility/Site	Total Site Area in Acres:	Total Disturbed Area in Acres:

V. TOPOGRAPHIC MAP SUBMITTAL

Attach a recent 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) must show the location of the facility including the site boundaries.

VI. RECEIVING WATERS

List discharge point number, name of receiving water(s), latitude & longitude (decimal or deg,min,sec) of location(s) that run-off enters the receiving water, and the waterbody use classification.

Discharge Point No.	Receiving Water	Latitude	Longitude	Waterbody Use Classification

VII. IMPAIRED, TOTAL MAXIMUM DAILY LOAD (TMDL), AND HIGH QUALITY WATERS

Does the mining site discharge to a waterbody which is listed on the most recently EPA approved 303(d) list of impaired waters for a pollutant of concern, a waterbody for which a TMDL has been approved or established by EPA for a pollutant of concern, a waterbody assigned the Outstanding Alabama Water use classification in accordance with ADEM Admin. Code r. 335-6-10-.09, or a waterbody assigned a special designation in accordance with ADEM Admin. Code r. 335-6-10-.10?

Yes ☐ No ☐ If yes, attach/submit a copy of the BMP Plan that meets the requirements of Part III.D of the permit.

VIII. QUALIFIED CREDENTIALLED PROFESSIONAL (QCP) CERTIFICATION

"I certify under penalty of law that the technical information and data contained in this NOI, and a comprehensive Best Management Practices Plan (BMP Plan) 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 and associated regulated areas/activities. The BMP Plan meets the requirements of this permit and if properly implemented and maintained by the permittee, discharges of pollutants in stormwater runoff can reasonably be expected to be effectively minimized to the maximum extent practicable according to the requirements of ADEM Administrative Code Chapter 335-6-6-.23 and this Permit. The permittee has been advised that appropriate best management practices, pollution abatement/prevention facilities and structural & nonstructural management practices or Department approved equivalent management practices as detailed in the BMP Plan must be fully implemented and regularly maintained as needed at the facility in accordance with sound sediment, erosion, and other pollution control practices, permit requirements, and other ADEM requirements to ensure protection of groundwater and surface water quality."

QCP Designation Description: _____
Address _____ Registration/Certification # _____
Name and Title (type or print) _____ Phone Number _____
Signature _____ Date Signed _____

IX. OPERATOR/RESPONSIBLE OFFICIAL SIGNATURE

Pursuant to ADEM Administrative Code Rule 335-6-6-.09, this NOI must be signed by a Responsible Official of the permittee who is the operator, owner, the sole proprietor of a sole proprietorship, a general controlling member or partner, a ranking elected official or other duly authorized representative for a unit of government; or an executive officer of at least the level of vice-president for a corporation, having overall responsibility and decision making for the site activity. "I certify under penalty of law that this form, the BMP Plan, 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 qualified credentialled professional (QCP) 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, correct, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations. 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 proposed discharges described in this NOI have been evaluated for the presence of any non-stormwater discharges and/or coal/mineral stormwater, or process wastewaters have been fully identified."

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

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Part III.D - BMP Plan

- Mining activity may not commence until a BMP Plan has been prepared and certified by a QCP as adequate to meet the requirements of the permit.
- The BMPs must be designed and implemented to be effective for specific site conditions.
- The Permittee shall properly implement and regularly maintain the controls, practices, devices, and measures specified in the BMP Plan.



Part III.H. – Inspections

- Pre-Mining Inspection
 - This should be done prior to placement of any BMPs or land disturbing activities
- Weekly Observations
 - At least once per week when there is activity
 - Visually observe the portion of the site where disturbance or work is occurring
 - Can be performed by site personnel
 - Maintain a log of observations to include BMP deficiencies and rainfall measurements



Part III.H. – Inspections

- Site Inspections
 - Complete and comprehensive observation of the entire mining site
 - Performed by a QCI, QCP, or qualified person under the direct supervision of the QCP
 - Frequency
 - Once Per Month and after qualifying precipitation event
 - Once every 6 months by a QCP
 - As often as necessary until deficiencies observed during prior inspections are corrected



Part III.H. – Inspections

- Incised Pits

- Inspections may be conducted once per quarter (at least 2 months apart) if the QCP submits to the Department once every 3 months that the pit is being operated with significant freeboard to handle a 50-year, 24-hour precipitation event.
- If a precipitation event exceeds this design storm, the QCP must conduct a comprehensive inspection within 72 hours of the event and submit a detailed report to the Department within 7 days of the inspection if deficiencies or noncompliance noted.



Part III.I. – Corrective Action

- Deficiencies/issues noted during inspections must be corrected as soon as possible, but not to exceed 5 days from the inspection unless prevented by unsafe weather conditions.
- In case of a breach of a sediment basin/pond or other containment structure, measures must be taken within 24 hours and permanent measures must be taken within 5 days of the inspection.
- The permittee must promptly take steps to remove pollutants deposited offsite or in a waterbody or stormwater conveyance structure.



Part IV.R. – Termination of Coverage

- The permittee must notify the Department in writing when all discharges authorized by the permit have ceased.
 - Form 499
 - ADOL Bond Release Paperwork, if applicable
 - Certification by the Permittee and the QCP that final stabilization has been achieved (Part III.EE.16.)
 - Loss of operational control of the site



Common Compliance Issues

- Operating without permit coverage, or not re-applying prior to expiration
- BMPs either not being used or not being maintained
- Sign not posted
- Precipitation not be measured
- Offsite sedimentation
- Offsite tracking
- Exceeding the maximum allowed disturbed area
- Solid Waste/Burning on site

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Total area outlined
= 6.4 acres and
doesn't include
entrance/haul
roads

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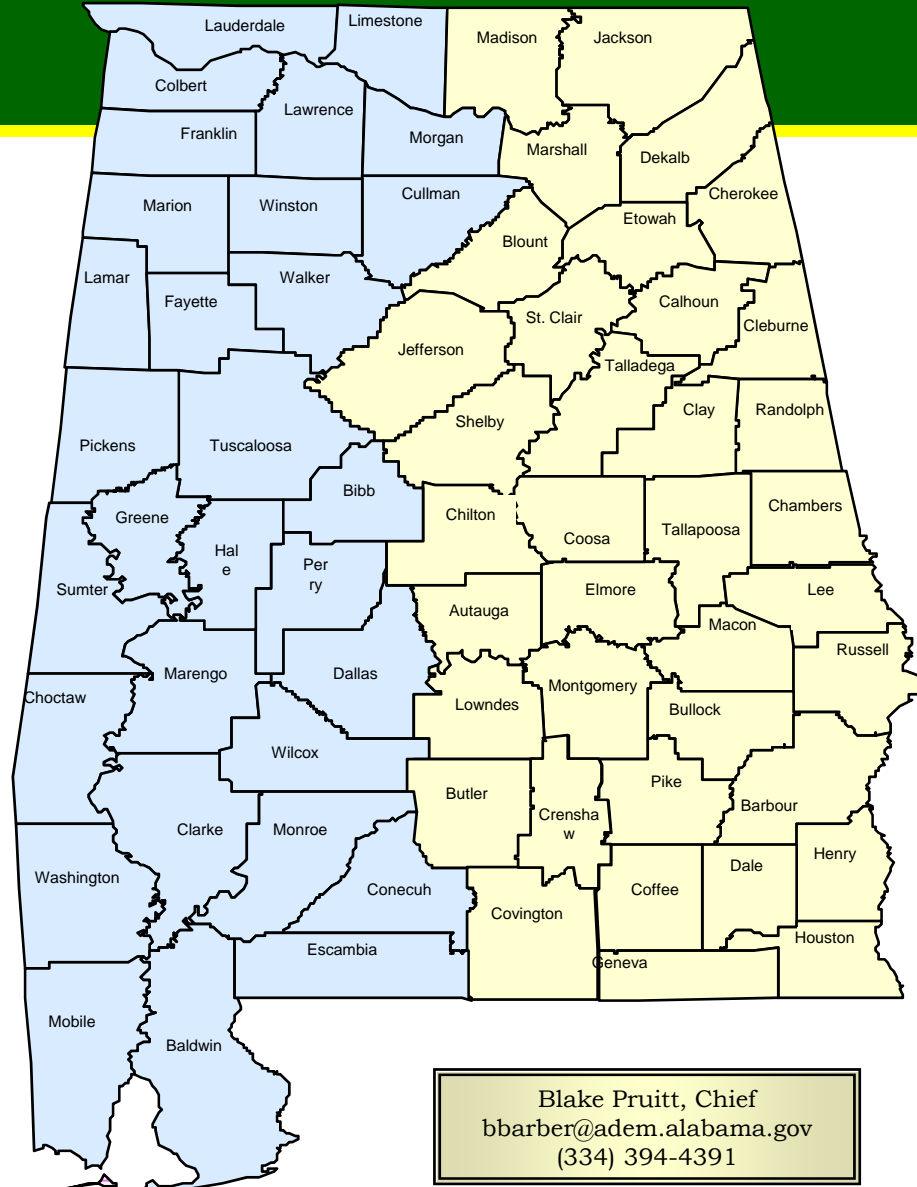


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Special Services Unit Area Assignment Map
Stormwater Management Branch
Water Division
(<5 Acre Mining Operations and Pesticide Applications)

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Effective February 19, 2019



Contact Information for the SMGP Programs

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My Contact Information

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