



NPDES Permitting

June 2014

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Stormwater Management Branch
Water Division**

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Outline

- NPDES Overview
- NPDES Permit Components
- Administrative Process
- MS Industries NPDES Permit
- E-File

- Clean Water Act
 - National Pollutant Discharge Elimination System (NPDES) permits address treatment and discharge of wastewater to waters of the State
 - Stormwater from industrial activities & some municipal stormwater
 - Industrial wastewater
 - Municipal wastewater



NPDES Permit Components

- Cover page
- Limits
- Monitoring Requirements
- Reporting Requirements
- Standard Conditions



Permit Cover Page

- Name of Facility Owner/Permittee
- Permit Number
- Facility location
- Statement authorizing discharge/release
- Specific location of the discharge/release (receiving waterbody)
- Issuance date
- Effective date
- Expiration date
- Signature of Permit Issuing Authority



Permit Limits

- Mechanism for controlling a pollutant from a point source
- Federal Effluent Guidelines
 - Technology-Based Standards
- State Laws and Regulations
 - Water-Quality-Based Standards
 - Best Professional Judgment
- Protective of Human Health and the Environment

ADEM Monitoring Requirements

- Which pollutant?
- Which discharge point?
 - Wastewater/Stormwater Outfall
- Which test method (or in standard parts of the permit?)
- How often?
 - Daily, weekly, monthly, quarterly, semi-annually, annually
- Where?
 - sampling locations
- Why?
 - Compliance



Reporting Requirements

- Discharge Monitoring Reports (DMR)
- Confirms that the facility is performing required monitoring and meeting permit conditions
- Sampling results are submitted to ADEM and subsequently to EPA
 - Eventually reported to ADEM electronically

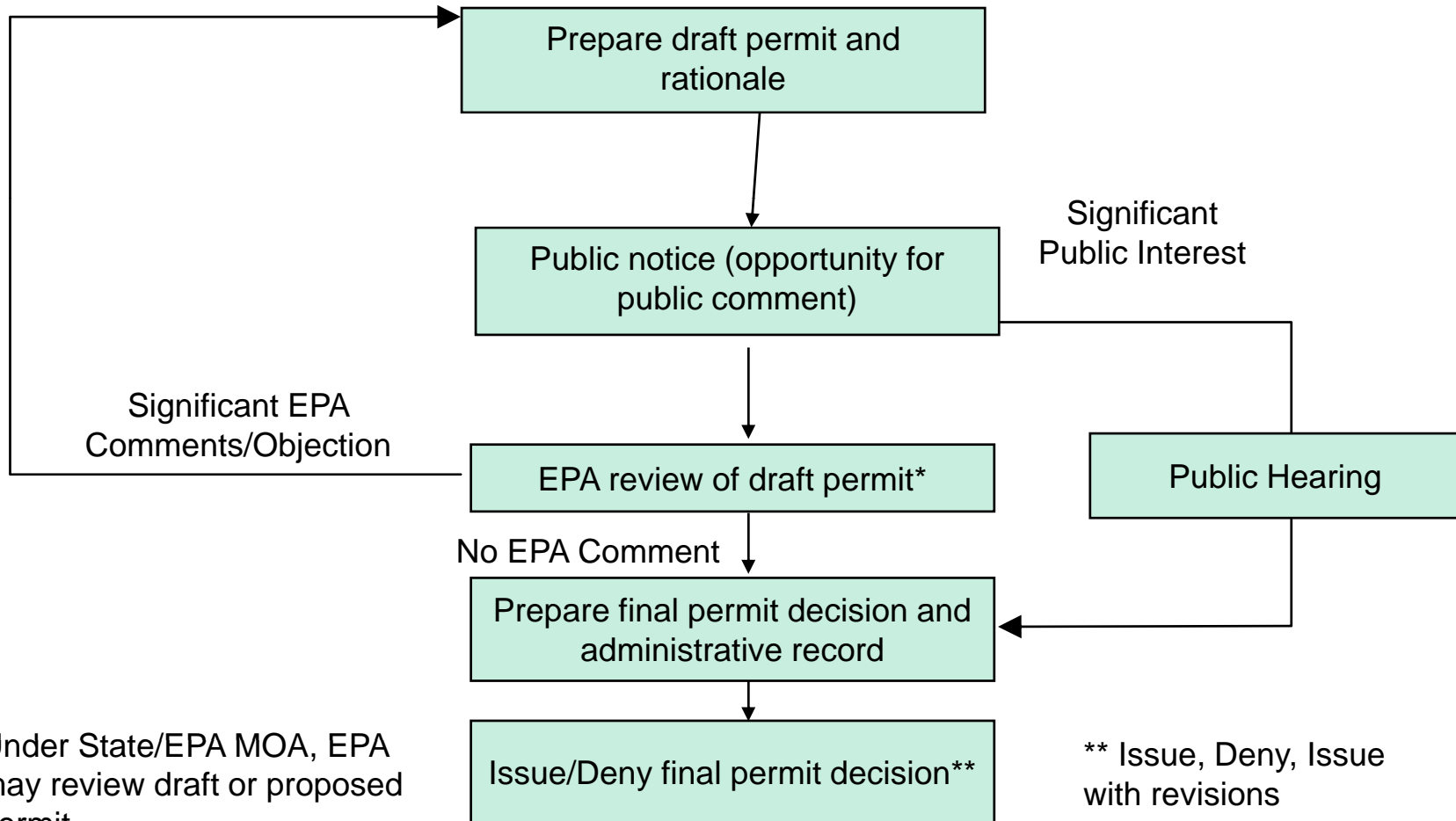


Standard Conditions

- Pre-established conditions that apply to all permits
- Address
 - legal,
 - administrative, and
 - procedural requirements of the permit



Administrative Process



* Under State/EPA MOA, EPA may review draft or proposed permit

** Issue, Deny, Issue with revisions

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ADEM NPDES Permit AL0081086

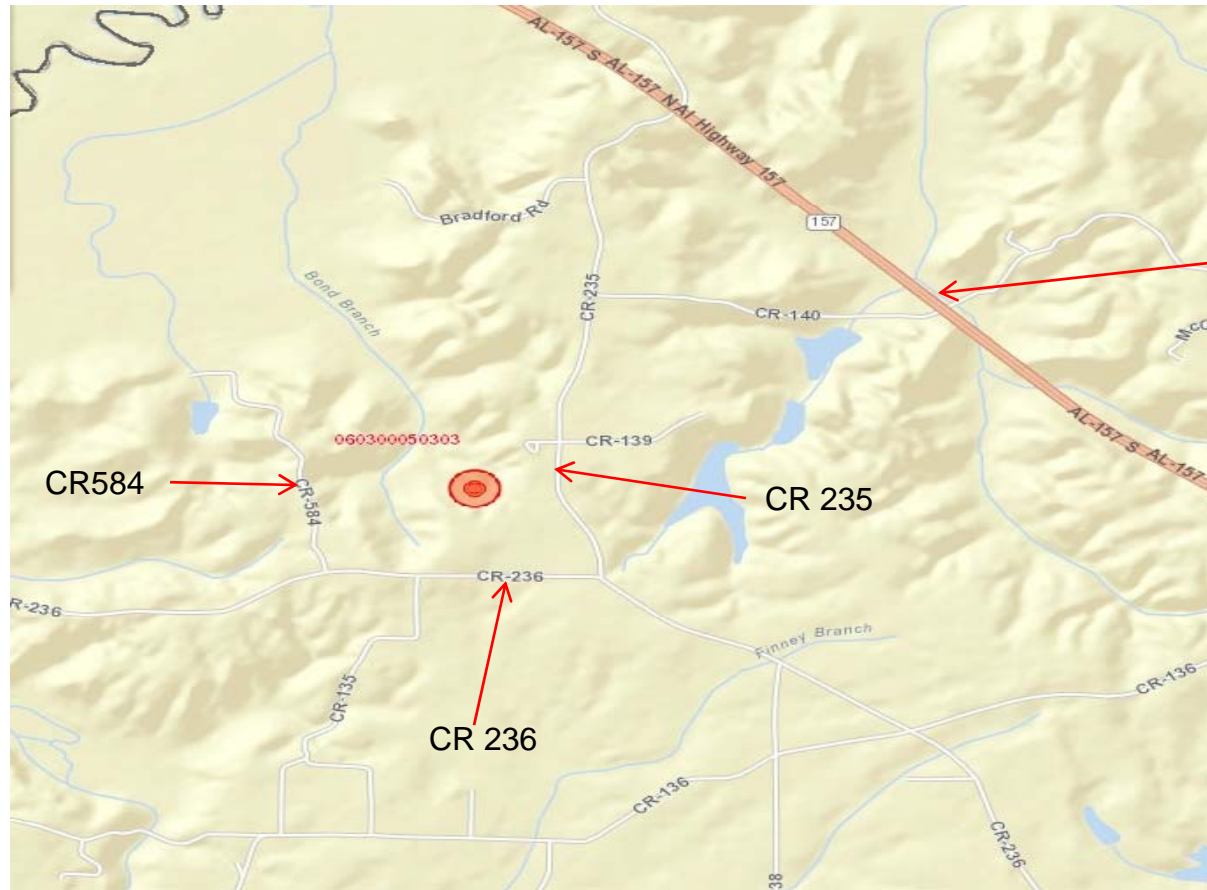
- Issued to SCS Industries, LLC for the North Alabama Oil Sands Separation Facility
- Effective 9/1/2011
- Transferred to MS Industries for the AJS Facility on 2/26/2013
- Expiration Date 8/31/2016
- Application for renewal due at least 180 days prior to expiration date (or approximately March 7, 2016)

ADEM NPDES Permit AL0081086

- Covers discharges from the asphaltic sandstone mining operation
- Use of sedimentation basin plus best management practices to treat discharges
- Does not cover discharges from extraction of bitumen from the sandstone
- Discharges are routed to an unnamed tributary to Bond Branch

ADEM

General Location



Hwy 157

CR 235

CR 236

CR584

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM INDIVIDUAL PERMIT

PERMITTEE: MS Industries II, LLC
2489 County Road 236
Town Creek, Alabama 35672

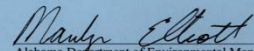
FACILITY LOCATION: AJS Facility
2121 County Road 236
Town Creek, Alabama 35672
Lawrence County
T5S, R9W, Section 21

PERMIT NUMBER: AL0081086

DSN Receiving Water
001-1 Unnamed Tributary to Bond Branch

In accordance with and subject to the provisions of the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§1251-1378 (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-16, 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: August 30, 2011
EFFECTIVE DATE: September 1, 2011
EXPIRATION DATE: August 31, 2016
MODIFICATION ISSUANCE DATE: February 26, 2013
MODIFICATION EFFECTIVE DATE: February 26, 2013


Alabama Department of Environmental Management

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AL0081086 Monitoring Requirements & Limitations

Parameter	Discharge Limitations			Monitoring Requirements	
	Daily Minimum	Monthly Average	Daily Maximum	Sample Type	Measurement Frequency ²
BOD, 5-Day (20 Deg. C) 00310 1 0 0	-----	Report mg/L	Report mg/L	Grab	Once/Month
pH 00400 1 0 0	6.0 s.u.	-----	9.0 s.u.	Grab	Twice/Month
Total Suspended Solids 00530 1 0 0	-----	25.0 mg/L	45.0 mg/L	Grab	Twice/Month
Oil & Grease 00556 1 0 0	-----	-----	15.0 mg/L	Grab	Once/Month
Nitrogen, Ammonia Total (as N) 00610 1 0 0	-----	2.5 mg/L	36.0 mg/L	Grab	Once/Month
Iron, Total (as Fe) 01045 1 0 0	-----	Report mg/L	Report mg/L	Grab	Once/Month
Manganese, Total (as Mn) 01055 1 0 0	-----	Report mg/L	Report mg/L	Grab	Once/Month
BETX ² 30383 1 0 0	-----	-----	Report µg/L	Grab	Once/Quarter
Flow ³ 50050 1 0 0	-----	Report MGD	Report MGD	Instantaneous	Twice/Month
Toxicity, Ceriodaphnia Acute ⁴ 61425 1 0 0	-----	-----	0 pass(0)/fail(1)	Grab	Once/Quarter
Toxicity, Pimephales Acute ⁴ 61427 1 0 0	-----	-----	0 pass(0)/fail(1)	Grab	Once/Quarter

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E-File

ADEM Alabama Department of Environmental Management

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Coleman Lake, Cleburne County - Bill Wilson

Welcome to ADEM

Alabama is blessed with a wealth and variety of natural resources which provide significant social, economic, and environmental benefits and opportunities for the citizens of Alabama. Our mission at ADEM is to protect and improve the quality of Alabama's environment and the health of all its citizens. This web site is designed to keep you informed and to help you as you live and work in Alabama.

Upcoming Events and Latest News

June 11, 2014
Alabama 2nd in Southeast to Receive EPA Approval

June 10, 2014
2014 Groundwater Conference

May 29, 2014
2014 DERA Diesel Emissions Reduction Grant Program

April 23, 2014
AEMC Personnel Committee Notice of ADEM...

April 21, 2014
ADEM to Host High School Students for Earth Day...

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Media Area: Air Land Water

Facility:

Name Master ID
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Permit Number:

County:

File Name:

Document Date:

Date Range

Document Category/Type:

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Custom Query

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