



# **ADEM's Construction General Permit**

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# Alabama Construction General Permit

- Issued and effective April 1, 2011
- Expires March 31, 2016
- Sites with existing registrations are covered until the expiration of their NORs or an earlier time TBD by the Department

# ADEM

## What's Covered?

- Construction activities resulting in land disturbance  $\geq 1$  acre
- Construction involving  $< 1$  acre and part of a larger common plan of development
- Other construction activities at the discretion of ADEM

- Stormwater
  - Construction runoff
  - Support activities (e.g. borrow areas)
- Non-stormwater
  - Fire-hydrant / water-line flushing
  - Dust control
  - Various washing activities (no detergents or chemicals)

- Fuels, oils or other pollutants from vehicle operation and maintenance
- Soaps/solvents from vehicle wash or maintenance
- **Discharges that will cause a substantial visual contrast from the natural appearance of the receiving water**
- **Discharges that will cause the turbidity of the receiving water to increase by more than 50 NTUs above background**
- **Discharges from sediment basins or impoundments unless from outlet structures that withdraw from the water's surface**



## What does the Permit Require?

- Notice of Intent
- CBMPP
- Installation / Maintenance of Erosion and Sediment Controls
- Inspection / Monitoring



## Who Submits?

- Property Owner
- Developer
- General Contractor



## The Operator

**Anybody with direct control over the project and the activities needed to comply with the Permit**

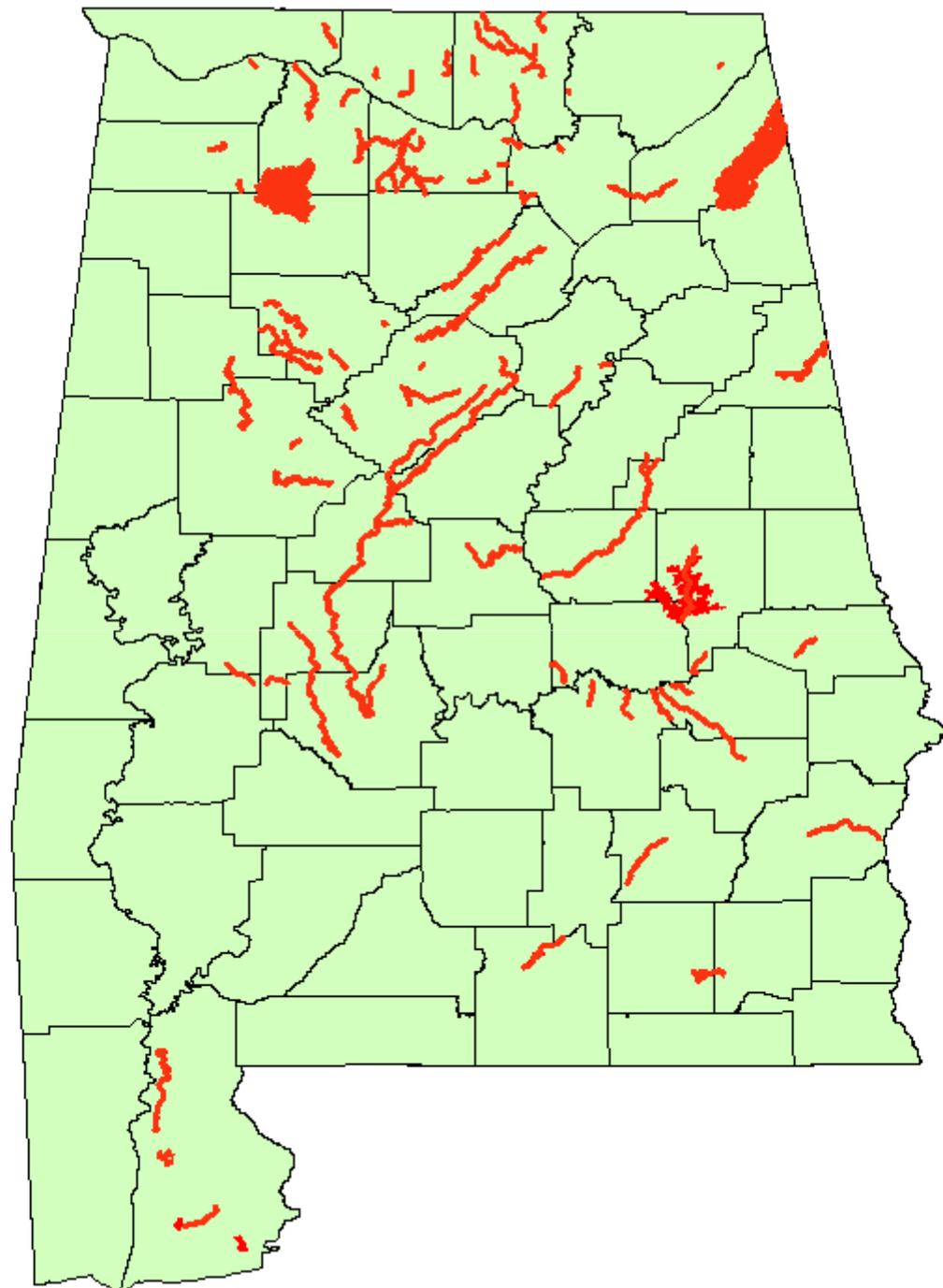


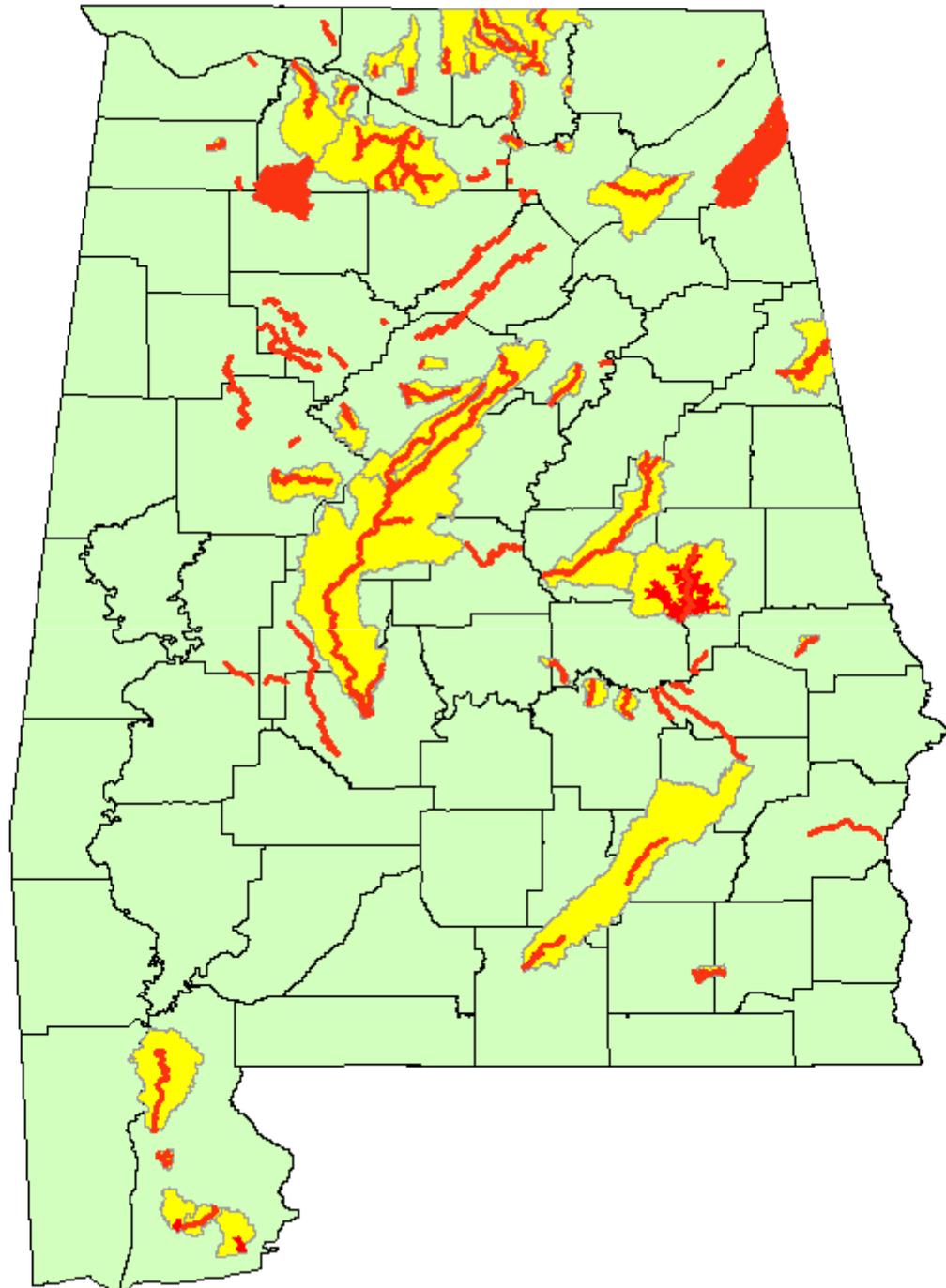
## What to Submit

- General Description of Activity (e.g. residential development, commercial, road project)
- Lat / long of site entrance
- Identify waterbodies receiving the discharge
- USGS Map of Site Location
- Contact Information
- Appropriate Fees
- Signatures: (1) Responsible Official (2) QCP
- CBMPP (Priority Construction Sites)

- 303d Waters Impaired due to:
  - Turbidity
  - Siltation
  - Sedimentation
- TMDLs
- OAW
- Special Designations
  - TAL









## When Can Construction Begin?

- Non-priority sites, upon the Department's receipt of the **complete** NOI
- Priority sites, 30 days from the Department's receipt of the NOI and CBMPP, **unless extended**.

- Control the SW volume and velocity, to minimize erosion
- Minimize sediment discharge
- Control discharges to minimize erosion at outlets and downstream channel / streambanks

***Minimize the amount of soil exposed***



***Minimize disturbance of steep slopes***





## Erosion and Sediment Controls

- Stabilize construction entrances and exits
- Storm drain inlet protection, where needed
- Provide and maintain natural buffers
- Minimize soil compaction and preserve topsoil

- ESCs should be selected to meet/exceed the technical standards in the **AL Handbook**
- Unless inconsistent with the Handbook, minimize erosion and control sediment from a **2yr, 24-hour storm event.**
- **Achieve pollutant reductions consistent with a TMDL**

- All sites must have one, prior to construction
- Must be prepared and certified by QCP
- Must be onsite during land disturbance



- Target Audience?
- **Specific ESC procedures and practices**
- Appropriate for site conditions and characteristics
- **Description of ESCs needed to achieve pollutant load reductions required by a TMDL**
- Must evolve with the project

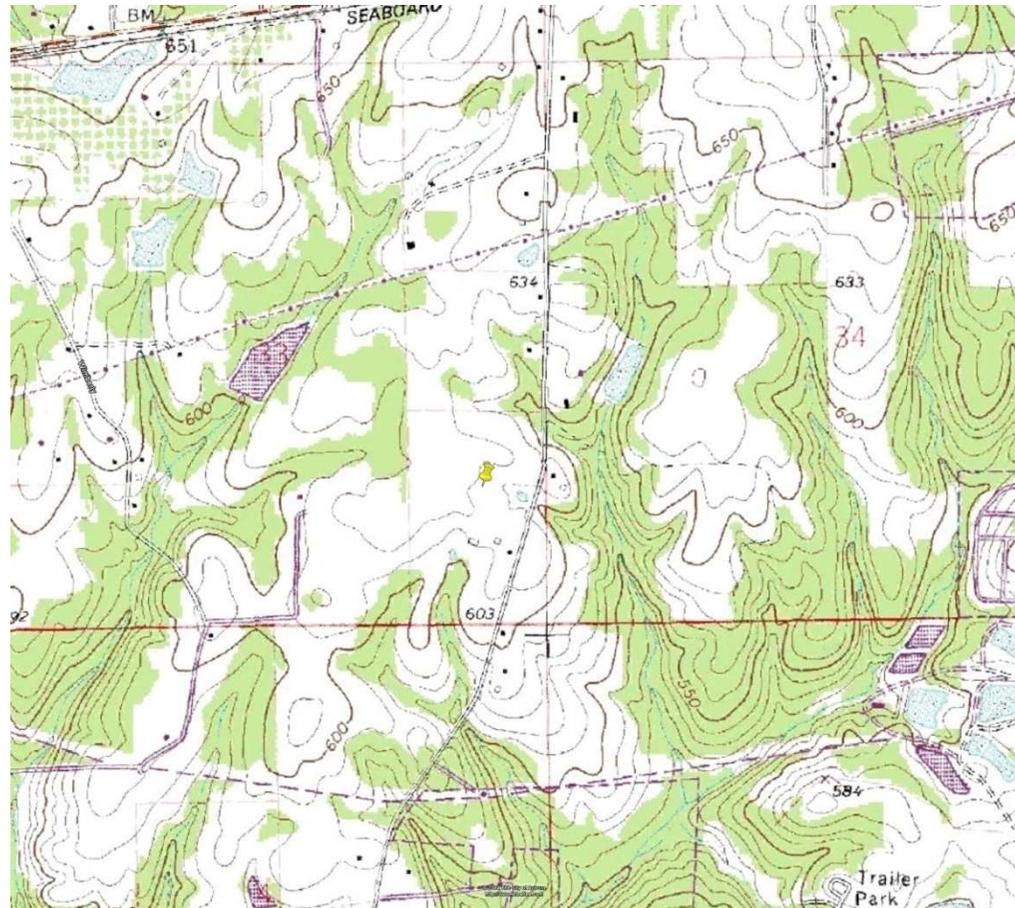
# ADEM

## Length and Complexity

- Size of the Project
- Topography and Hydrology of the Site
- Potential for Off-Site Damage
- Proximity to State waters
- Proximity to Priority waters



- Site Plan Map(s)
  - Location
  - Site contours / runoff patterns
  - Project boundaries
  - ID of ESC practices
  - State waters and points of discharge



- General description of the project and site
- Construction schedule and sequence
- **BMP installation and maintenance procedure**
- Inspection schedule
- Description of controls needed to comply with TMDLs and how those controls address any specific load reductions or allocations



*Installation  
And*

***Maintenance***

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**Perfectly Designed BMPs**



***Perfectly Installed BMPs***

- Initiated immediately whenever any earth disturbing activity has permanently ceased
- Must, at a minimum, be initiated on earth disturbing activities that have been temporarily ceased or will not resume for a period not to exceed **13 calendar days**



**ADEM**

# Inspection / Monitoring Requirements

- Daily Observations
- Site Inspections
- CBMPP Evaluations

- Priority construction sites *disturbing* 10+ acres
- 3 sample locations
  - Just prior to discharge or where stormwater runoff leaves the site and after treatment
  - Nearest accessible point upstream
  - Nearest accessible location downstream of the mixing zone
- Samples must be taken by a QCI/QCP concurrent with the site inspection
- Can be analyzed in a lab or with a turbidity meter



# Departmental Functions

- Water Division
  - Permitting
- Field Operations Division
  - Compliance Monitoring
  - Enforcement



# **ADEM**

## **E-Permit**

- **NOI COMPLETED ON-LINE**
- **COMPLETELY PAPERLESS**
- **PERMITTEE RECEIVES EMAILS ON NOI STATUS**
- **FASTER**
- **THE R.O. AND QCP MUST HAVE ID'S**
- **REQUIRED ATTACHMENTS (pdf files)**
  - **TOPO MAP (ALL NOI)**
  - **CBMPP (ONLY PRIORITY SITES)**
  - **DELEGATION OF AUTHORITY LETTER (WHEN NEEDED)**

**ADEM**

**Questions?**

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