

APA-1
07/04

**TRANSMITTAL SHEET FOR
NOTICE OF INTENDED ACTION**

Control No. 335 Department or Agency Environmental Management
Rule No. 335-6-15-.08
Rule Title: Plans and Specifications

 New X Amend Repeal Adopt by Reference

Would the absence of the proposed rule significantly harm or endanger the public health, welfare, or safety? YES

Is there a reasonable relationship between the state's police power and the protection of the public health, safety, or welfare? YES

Is there another, less restrictive method of regulation available that could adequately protect the public? NO

Does the proposed rule have the effect of directly or indirectly increasing the costs of any goods or services involved and, if so, to what degree? NO

Is the increase in cost, if any, more harmful to the public than the harm that might result from the absence of the proposed rule? NO

Are all facets of the rulemaking process designed solely for the purpose of, and so they have, as their primary effect, the protection of the public? YES

Does the proposed rule have an economic impact? NO

If the proposed rule has an economic impact, the proposed rule is required to be accompanied by a fiscal note prepared in accordance with subsection (f) of section 41-22-23, Code of Alabama 1975.

Certification of Authorized Official

I certify that the attached proposed rule has been proposed in full compliance with the requirements of Chapter 22, Title 41, Code of Alabama 1975, and that it conforms to all applicable filing requirements of the Administrative Procedure Division of the Legislative Reference Service.

Signature of certifying officer Marilyn Elliott

Date July 20, 2017



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
LAND DIVISION

NOTICE OF INTENDED ACTION

AGENCY NAME: Department of Environmental Management

RULE NO. & TITLE: 335-6-15-.02 Definitions
335-6-15-.03 Applicability
335-6-15-.04 Installation Requirements for Partially Excluded Systems
335-6-15-.05 Notification Requirements
335-6-15-.06 Performance Standards for New UST Systems and Dispensers
335-6-15-.07 Upgrading of Existing UST Systems
335-6-15-.08 Plans and Specifications
335-6-15-.09 Operation, Maintenance, and Testing or Inspection of Spill and Overfill
Prevention Equipment and Containment Systems; and Walkthrough Inspections
335-6-15-.10 Operation and Maintenance of Corrosion Protection
335-6-15-.11 Compatibility
335-6-15-.12 Repairs Allowed
335-6-15-.13 Reporting and Recordkeeping
335-6-15-.14 General Release Detection Requirements for All UST Systems
335-6-15-.15 Release Detection Requirements for Petroleum UST Systems
335-6-15-.16 Release Detection Requirements for Hazardous Substance UST
Systems
335-6-15-.17 Methods of Release Detection for Underground Storage Tanks
335-6-15-.18 Methods of Release Detection for Underground Piping
335-6-15-.19 Release Detection Recordkeeping
335-6-15-.20 Reporting of Suspected Releases
335-6-15-.22 Release Investigation and Confirmation Steps
335-6-15-.24 Initial Release Response
335-6-15-.25 Initial Abatement Measures and Preliminary Investigation
335-6-15-.26 Preliminary Investigation Requirements
335-6-15-.27 Free Product Removal
335-6-15-.28 Secondary Investigation Requirements
335-6-15-.29 Corrective Action Plan
335-6-15-.30 Corrective Action Requirements
335-6-15-.31 Public Participation
335-6-15-.32 Analytical Requirements
335-6-15-.33 Temporary Closure
335-6-15-.35 Site Closure or Change-In-Service Assessment
335-6-15-.37 Closure Records
335*6-15-.39 Availability to Public of Records, Reports or Information
335-6-15-.42 Underground Storage Tank Regulation Fee
335-6-15-.43 Financial Responsibility for Petroleum UST Owners and Operators
335-6-15-.45 Delivery Prohibition
335-6-15-.46 Operator Training

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
LAND DIVISION

NOTICE OF INTENDED ACTION

RULE NO. & TITLE:

335-6-15-.47 Certification Requirements for Individuals Who Supervise Installation,
Closure, and Repair of UST Systems
335-6-15-.48 UST Systems with Field-Constructed Tanks and Airport Hydrant Fuel
Distribution Systems
335-6-15-.49 Severability

INTENDED ACTION: Amend Chapter 335-6-15 of the ADEM Administrative Code

SUBSTANCE OF PROPOSED ACTION:

The Department of Environmental Management proposes to amend portions of the Division 6 Underground Storage Tanks Program Regulations to make typographical and grammatical corrections, to make clarifications necessary to maintain consistency with analogous federal rules, and to adopt new amendments required by the USEPA which are necessary to maintain the programs fully authorized status.

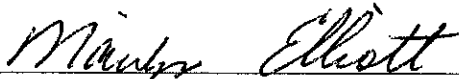
TIME, PLACE, MANNER OF PRESENTING VIEWS:

Comments may be submitted in writing or orally at a public hearing to be held Wednesday, August 9, 2017 at 10:00 a.m. in the Main Hearing Room at the ADEM Central Office located at 1400 Coliseum Blvd, Montgomery, Alabama 36110.

FINAL DATE FOR COMMENT AND COMPLETION OF NOTICE:

September 6, 2017

CONTACT PERSON AT AGENCY: Sonja Massey, Chief of the Groundwater Branch, ADEM Land Division, (334) 271-7832.



Lance R. LePleur
Director

335-6-15-.08 Plans and Specifications.

(1) Submission of Plans. The Department may require the submission of plans, specifications, and other technical data pursuant to rule 335-6-15-.06, 335-6-15-.07, or any other requirement by the Department relating to the construction of UST systems, upgrading of UST systems, installation of release detection equipment, corrosion protection measures, or engineering design related to the implementation of a corrective action plan.

(a) Plans and specifications shall be submitted at least 30 days prior to the anticipated date of construction or installation.

(b) Where plans and specifications are not required, a notification of installation shall be submitted 30 days prior to the anticipated date of installation.

(c) Plan and specification submissions shall be in a form which is acceptable to the Department.

(d) The Department may require modification of submitted plans and specifications, where necessary, to demonstrate compliance with applicable requirements.

(2) Preparation of Plans, Specifications, and Technical Data. Plans, specifications, and technical data submitted to the Department for review shall bear the seal or number of a professional engineer, in accordance with Alabama law concerning engineering practices, who is competent to perform work in this field of engineering.

(3) Plans and specifications submitted for construction and upgrading of UST systems shall, where applicable, adequately describe:

(a) Site sketch with boundaries and structures approximately to scale.

(b) Underground storage tank excavation dimensions and location.

(c) Underground storage tank capacity, dimensions, materials of construction, and material to be stored, and whether of single or double wall construction.

(d) Type and size of backfill material.

(e) Depth of backfill to be placed under the underground storage tank.

(f) Water table data for the site, including the annual high and low water table elevations as determined from nearby water supply wells, piezometers, or other available hydrogeologic data.

(g) Supports and anchorage design if applicable.

(h) Underground piping dimensions, materials of construction, layout, location of dispensers, and slope of underground piping for suction systems.

(i) Release detection method to be used, to include:

1. Number, location and construction details for any monitoring wells, whether for groundwater monitoring, vapor monitoring or monitoring of an interstitial space.

2. Description of and manufacturer's performance specifications for any continuous monitoring equipment to be used where required by the Department.

3. For non-continuous monitoring, (other than manual sampling of groundwater monitoring wells), a description of and manufacturer's performance specifications for the type of equipment to be used where required by the Department.

4. Manufacturer specifications for any secondary barrier to be used in interstitial monitoring.

(j) Wiring and conduit associated with monitoring systems.

(k) Information regarding the cathodic protection method to be used, to include:

1. Design plans and specifications for field installed cathodic protection systems shall be submitted to the Department for approval at least 30 days prior to the anticipated date of installation and must include, at a minimum:

~~1-(i)~~ Type of cathodic protection, galvanic or impressed current.

~~2-(ii)~~ Test or monitoring station for cathodic protection system.

~~3-(iii)~~ Location and weight of sacrificial anodes.

~~4-(iv)~~ The corrosion expert responsible for the design of a field installed cathodic protection system.

_____ (v) Calculations of the:

_____ (I) Surface area to be protected,

_____ (II) Current required,

_____ (III) Number of anodes required, and

_____ (IV) Rectifier rating.

(vi) Material list including a description of the:

(I) Rectifier,

(II) Anodes,

(III) Anode wiring,

(IV) Negative ground wires,

(V) Grounding mechanism,

(VI) Shunt box, and

(VII) Other materials to be used.

(vii) Drawing providing the location of the:

(I) Tanks,

(II) Anodes,

(III) Anode wiring,

(IV) Ground wiring,

(V) Rectifier box, and

(VI) Shunt box.

(l) Spill and overflow containment devices.

(m) For groundwater monitoring well systems, the hydraulic conductivity of the soils in which the monitoring wells will be placed.

(n) Type of secondary containment, where applicable.

(o) Whether or not the UST system will be within 300 feet of a private domestic water supply or 1000 feet of a public water supply well.

(p) Any other information that may be required by the Department.

(4) Existing Systems. When plans and specifications are submitted for existing systems, all available information should be submitted regarding the above items.

(5) Modifications or Alterations. Any proposed modification or alteration of plans, specifications, or technical data previously submitted to and reviewed by the Department which could affect the UST system's compliance with this chapter must also be forwarded to the Department for review.

Author: Sonja Massey, Curt Johnson, Lee Davis, David Batchelor.

Statutory Authority: Code of Alabama 1975, §§ 22-36-3, 22-36-4.

History: April 5, 1989.

Amended: August 6, 2007; XXXXXX, 2017.