

TRANSMITTAL SHEET FOR  
NOTICE OF INTENDED ACTION

Control No. 335 Department or Agency Environmental Management  
Rule No. 335-13-4-APPENDIX I  
Rule Title: Constituents for Detection Monitoring

         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

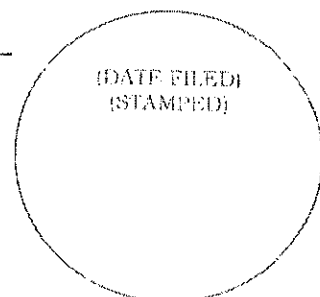
If the proposed rule has an economic impact, the proposed rule is required to be accompanied by a fiscal note prepared in accordance with subsection (f) of section 41-22-23, Code of Alabama 1975.

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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 Services Agency.

Signature of certifying officer *Manly Elliott*

Date January 22, 2018



APA-2

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
LAND DIVISION

NOTICE OF INTENDED ACTION

AGENCY NAME: DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

RULE NO. & TITLE:

335-13-4-.01	<u>Landfill Unit Siting Standards</u> (Amend)
335-13-4-.12	<u>Plans and Operational Reports</u> (Amend)
335-13-4-.13	<u>Site Geology and Hydrology</u> (Amend)
335-13-4-.16	<u>Explosive Gases</u> (Amend)
335-13-4-.18	<u>Liners and Leachate Collection</u> (Amend)
335-13-4-.20	<u>Closure and Post-Closure</u> (Amend)
335-13-4-.21	<u>General Operational Standards for Landfill Units</u> (Amend)
335-13-4-.22	<u>Specific Requirements for Municipal Solid Waste Landfills</u> (Amend)
335-13-4-.23	<u>Specific Requirements for Inert-Construction/Demolition Landfills and Industrial Landfills</u> (Amend)
335-13-4-.26	<u>Requirements for Management and Disposal of Special Waste</u> (Amend)
335-13-4-.27	<u>Groundwater Monitoring and Corrective Action</u> (Amend)
335-13-4-.28	<u>Financial Assurance Criteria</u> (Amend)
335-13-4-.29	<u>Recordkeeping Requirements</u> (Amend)
335-13-4-APPENDIX I	<u>Constituents for Detection Monitoring</u> (Amend)
335-13-4-APPENDIX II	<u>List of Hazardous Inorganic and Organic Constituents</u> (Amend)

INTENDED ACTION: Revise Division 13 of the ADEM Administrative Code.

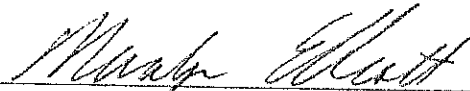
SUBSTANCE OR PROPOSED ACTION: Revise portions of Division 13 Regulations to incorporate changes to ensure consistency with State and Federal Statutes; adopt certain State specific requirements; and provide clarification of State requirements for the management of solid waste, and adopt standards for the disposal of coal combustion residuals (CCR) in landfills and surface impoundments as promulgated by EPA.

Additionally, the definition of "municipal solid waste landfill unit" is proposed to be amended in accordance with EPA's Hazardous Waste Generator Improvements Rule (81 FR 85805, November 28, 2016).

TIME, PLACE, MANNER OF PRESENTING VIEWS: Comments may be submitted in writing or orally at a public hearing to be held Wednesday, March 21, 2018 at 10:30

FINAL DATE FOR COMMENT AND COMPLETION OF NOTICE: March 21, 2018

CONTACT PERSON AT AGENCY: Eric L. Sanderson, Chief of the Solid Waste  
Branch, ADEM Land Division (334-271-7755)

A handwritten signature in black ink, appearing to read "Lance R. LeFleur", written over a horizontal line.

Lance R. LeFleur  
Director

335-13-4-APPENDIX I CONSTITUENTS FOR DETECTION MONITORING<sup>1</sup>

Common Name <sup>2</sup>	CAS Number <sup>3</sup>
pH <sup>4</sup>	N/A
Specific Conductance <sup>1</sup>	N/A
<b>Inorganic Constituents</b>	
1. Antimony	Total
2. Arsenic	Total
3. Barium	Total
4. Beryllium	Total
5. Cadmium	Total
6. Chromium	Total
7. Cobalt	Total
8. Copper	Total
9. Lead	Total
10. Mercury	Total
11. Nickel	Total
12. Selenium	Total
13. Silver	Total
14. Thallium	Total
15. Vanadium	Total
16. Zinc	Total
<b>Organic Constituents</b>	
17. Acetone	67-64-1
18. Acrylonitrile	107-13-1
19. Benzene	71-43-2
20. Bromochloromethane	74-97-5
21. Bromodichloromethane	75-27-4
22. Bromoform; Tribromomethane	75-25-2
23. Carbon disulfide	75-15-0
24. Carbon tetrachloride	56-23-5
25. Chlorobenzene	108-90-7
26. Chloroethane; Ethyl chloride	75-00-3
27. Chloroform; Trichloromethane	67-66-3
28. Dibromochloromethane; Chlorodibromomethane	124-48-1
29. 1,2-Dibromo-3-chloropropane (DBCP)	96-12-8
30. 1,2-Dibromoethane; Ethylene dibromide; EDB	106-93-4
31. o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1
32. p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7
33. trans-1,4-Dichloro-2-butene	110-57-6
34. 1,1-Dichloroethane; Ethylidene chloride	75-34-3
35. 1,2-Dichloroethane; Ethylene dichloride	107-06-2
36. 1,1-Dichloroethylene; 1,1-dichloroethene; Vinylidene chloride	75-35-4
37. cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene	156-59-2
38. trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene	156-60-5

	Common Name <sup>2</sup>	CAS Number <sup>3</sup>
39.	1,2-Dichloropropane; Propylene dichloride	78-87-5
40.	cis-1,3-Dichloropropene	10061-01-5
41.	trans-1,3-Dichloropropene	10061-02-6
42.	Ethylbenzene	100-41-4
43.	2-Hexanone; Methyl butyl ketone	591-78-6
44.	Methyl bromide; Bromomethane	74-83-9
45.	Methyl chloride; Chloromethane	74-87-3
46.	Methylene bromide; Dibromomethane	74-95-3
47.	Methylene chloride; Dichloromethane	75-09-2
48.	Methyl ethyl ketone; MEK; 2-Butanone	78-93-3
49.	Methyl iodide; Iodomethane	74-88-4
50.	4-Methyl-2-pentanone; Methyl isobutyl ketone	108-10-1
51.	Styrene	100-42-5
52.	1,1,1,2-Tetrachloroethane	630-20-6
53.	1,1,2,2-Tetrachloroethane	79-34-5
54.	Tetrachloroethylene; Tetrachloroethene; Perchloroethylene	127-18-4
55.	Toluene	108-88-3
56.	1,1,1-Trichloroethane; Methylchloroform	71-55-6
57.	1,1,2-Trichloroethane	79-00-5
58.	Trichloroethylene; Trichloroethene	79-01-6
59.	Trichlorofluoromethane; CFC-11	75-69-4
60.	1,2,3-Trichloropropane	96-18-4
61.	Vinyl acetate	108-05-4
62.	Vinyl chloride	75-01-4
63.	Xylenes	1330-20-7

#### Notes

- <sup>1</sup> This list contains 47 volatile organics for which possible analytical procedure provided in EPA Report SW-846, "Test Methods for Evaluating Solid Waste," Third Edition, November 1986, as revised December 1987, includes Method 8260; and 15 metals for which SW-846 provides either Method 6010 or a method from the 7000 series of methods.
- <sup>2</sup> Common names are those widely used in government regulations, scientific publications, and commerce; synonyms exist for many chemicals.
- <sup>3</sup> Chemical Abstracts Service registry number. Where "Total" is entered, all species in the groundwater that contain this element are included.
- <sup>4</sup> State specific requirements.

**Author:** Russell A. Kelly, Heather Jones.

**Statutory Authority:** Code of Alabama 1975, §§ 22-27-4, 22-27-7.

**History:** November 2, 1993.

**Amended:** July 26, 1996; XXXXX, 2018.