TRANSMITTAL SHEET FOR NOTICE OF INTENDED ACTION

Control	nental Management						
Rule No.		ADEM Admin. Code r. 335-14-210					
Rule Title:	Tank Systems						
				Adopt by			
X	New	Amend	Repeal	Reference			
	y harm or en	e proposed rule danger the public heal	th, 	YES			
state's polic		ationship between the the protection of the welfare?		YES			
	available that	strictive method of could adequately prot	ect	NO			
indirectly in	icreasing the	nave the effect of direct costs of any goods or so, to what degree?	tly or	NO			
public than		any, more harmful to at might result from th rule?		NO			
solely for th	e purpose of	making process design , and so they have, as ction of the public?	ed their	YES			
******	******	********	******	be the short of th			
		nave an economic impa		NO			
accompanie 41-22-23, <u>C</u>	ed by a fiscal Code of Alaba		dance with subsecti	required to be on (f) of section			
		*********	*********	*******			
Certification	n of Authoriz	ed Official					
requiremen all applicab	ts of Chapter	d proposed rule has be 22, Title 41, <u>Code of A</u> rements of the Admini vice.	llabama 1975, and tl	hat it conforms to			
Signature o	f certifying of	ficer Maul	r Elliott				
Date <u>10/2</u>	1/2015	•		Ston p Sarre			

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT LAND DIVISION

NOTICE OF INTENDED ACTION

	MOTICE	OF INTENDED ACTION
AGENCY NAME:	DEPARTMEN	TOF ENVIRONMENTAL MANAGEMENT
RULE NO. & TITLE:	335-14-102 335-14-103 335-14-201	Petitions for Equivalent Testing or Analytical Methods (Amend) General (Amend)
	335-14-204	Lists of Hazardous Woods (Amount)
	335-14-205	EXCIUSIONS/Exemptions (Amond)
	335-14-207	IKeservedi
	335-14-208	Financial Requirements for Management of Excluded Hazardous Secondary Materials (Add)
	335-14-209	Use and Management of Containers (Add)
	335-14-210	Tank Systems (Add)
	335-14-211	(Reserved)
	335-14-212	(Reserved)
	335-14-213	Emergency Preparedness and Response for
		Management of Excluded Hazardous Secondary
		Materials (Add)
	335-14-214	(Reserved)
	335-14-215	(Reserved)
	335-14-216	(Reserved)
	335-14-217	(Reserved)
	335-14-218	(Reserved)
	335-14-219	(Reserved)
	335-14-220	(Reserved)
	335-14-221	(Reserved)
	335-14-222	(Reserved)
	335-14-223	(Reserved)
	335-14-224	(Reserved)
	335-14-225	(Reserved)
	335-14-226	(Reserved)
	335-14-227	Subpart AA - Air Emission Standards for
	335-14-228	Subpart BB - Air Emission Standards for
	335-14-2-,29	Equipment Leaks (Add) Subpart CC - Air Emission Standards for
		Tanks, Surface Impoundments, and Containers (Add)
	335-14-2	<u> </u>
	Appendix IX	Wasten Froh de 1 II. 1
	335-14-303	Wastes Excluded Under 335-14-103(2) (Add)
	335-14-305	Pre-Transport Requirements (Amend) Exports of Hazardous Waste (Amend)

335-14-308	Special Requirements for Generators of Waste Destined For Disposal at Commercial Hazardous
335-14-507 335-14-515	Waste Disposal Facilities Located in the State of Alabama (Amend) Closure and Post-Closure (Amend) Incinerators (Amend)

INTENDED ACTION:

Revise Division 14 of the ADEM Administrative Code.

<u>SUBSTANCE OR PROPOSED ACTION:</u> Revise portions of Division 14 Regulations to incorporate changes to ensure consistency with State and Federal Statutes; to adopt certain State specific requirements; and to provide clarification of State requirements for the management of hazardous waste.

TIME, PLACE, MANNER OF PRESENTING VIEWS:

Comments may be submitted in writing or orally at a public hearing to be held December 16, 2015 at 10:00 a.m in the Main Hearing Room at the ADEM Central Office located at 1400 Coliseum Boulevard, Montgomery, Alabama 36110.

FINAL DATE FOR COMMENT AND COMPLETION OF NOTICE: December 16, 2015

CONTACT PERSON AT AGENCY: Vernon H. Crockett, Chief of the Industrial Hazardous Waste Branch, ADEM Land Division (334/270-5627)

Marien Elliott
Lance R. LeFleur

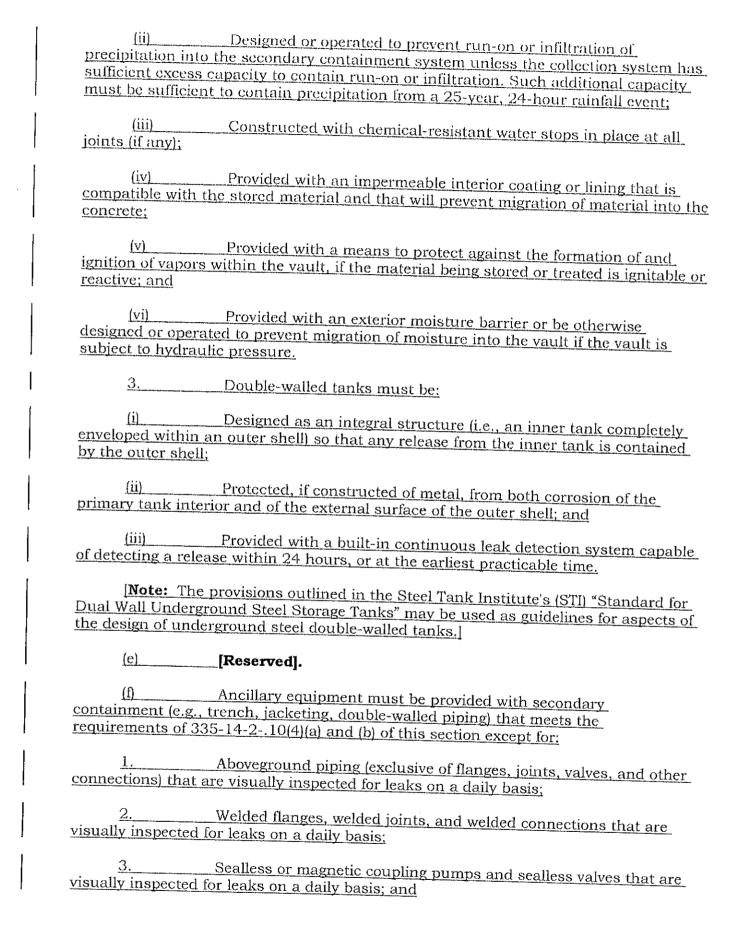
Director

335-14-2-.10 Tank Systems (1) Applicability The requirements of this subpart apply to tank systems for storing or treating hazardous secondary material excluded under the remanufacturing exclusion at 335-14-2-.01(4)(a)27. Tank systems, including sumps, as defined in 335-14-1-.02(1), that serve as part of a secondary containment system to collect or contain releases of hazardous secondary materials are exempted from the requirements in 335-14-2-,10(4)(a). (2) Assessment of existing tank system's integrity. Tank systems must meet the secondary containment requirements of 335-14-2-,10(4), or the remanufacturer or other person that handles the hazardous secondary material must determine that the tank system is not leaking or is unfit for use. Except as provided in paragraph (c) of this section, a written assessment reviewed and certified by a qualified Professional Engineer must be kept on file at the remanufacturer's facility or other facility that stores or treats the hazardous secondary material that attests to the tank system's integrity. This assessment must determine that the tank system is adequately designed and has sufficient structural strength and compatibility with the material(s) to be stored or treated, to ensure that it will not collapse, rupture, or fail. At a minimum, this assessment must consider the following: Design standard(s), if available, according to which the tank and ancillary equipment were constructed: Hazardous characteristics of the material(s) that have been and will be handled: Existing corrosion protection measures; Documented age of the tank system, if available (otherwise, an estimate of the age); and Results of a leak test, internal inspection, or other tank integrity examination such that: For non-enterable underground tanks, the assessment must include a leak test that is capable of taking into account the effects of temperature variations, tank end deflection, vapor pockets, and high water table effects, and For other than non-enterable underground tanks and for ancillary

equipment, this assessment must include either a leak test, as described above, or other integrity

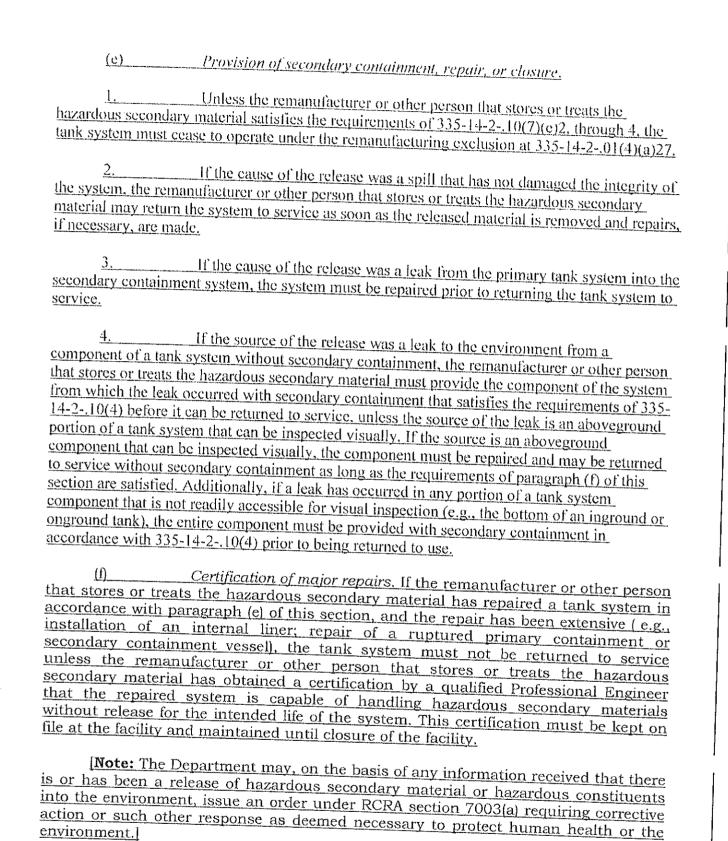
examination that is certified by a qualified Professional Engineer that addresses cracks, leaks, corrosion, and erosion. [Note: The practices described in the American Petroleum Institute (API) Publication, Guide for Inspection of Relinery Equipment, Chapter XIII, "Atmospheric and Low-Pressure Storage Tanks," 4th edition, 1981, may be used, where applicable, as guidelines in conducting other than a leak test. (c) If, as a result of the assessment conducted in accordance with paragraph (a) of this section, a tank system is found to be leaking or unfit for use, the remanufacturer or other person that stores or treats the hazardous secondary material must comply with the requirements of 335-14-2-.10(7). (3) [Reserved]. (4) Containment and detection of releases. (a) Secondary containment systems must be: Designed, installed, and operated to prevent any migration of materials or accumulated liquid out of the system to the soil, ground water, or surface water at any time during the use of the tank system; and Capable of detecting and collecting releases and accumulated liquids until the collected material is removed, [Note: If the collected material is a hazardous waste under 335-14-2, it is subject to management as a hazardous waste in accordance with all applicable requirements of 335-14-3 through 335-14-6, 335-14-7 and 335-14-9. If the collected material is discharged through a point source to waters of the United States, it is subject to the requirements of sections 301, 304, and 402 of the Clean Water Act, as amended. If discharged to a Publicly Owned Treatment Works (POTW), it is subject to the requirements of section 307 of the Clean Water Act, as amended. If the collected material is released to the environment, it may be subject to the reporting requirements of 40 CFR part 302.1 To meet the requirements of paragraph (a) of this section, secondary containment systems must be at a minimum: Constructed of or lined with materials that are compatible with the materials(s) to be placed in the tank system and must have sufficient strength and thickness to prevent failure owing to pressure gradients (including static head and external hydrological forces), physical contact with the material to which it is exposed, climatic conditions, and the stress of daily operation (including stresses from nearby vehicular traffic).

2. Placed on a foundation or base capable of providing support to the secondary containment system, resistance to pressure gradients above and below the system, and capable of preventing failure due to settlement, compression, or uplift;
3. Provided with a leak-detection system that is designed and operated so that it will detect the failure of either the primary or secondary containment structure or the presence of any release of hazardous secondary material or accumulated liquid in the secondary containment system at the earliest practicable time; and
4. Sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills, or precipitation. Spilled or leaked material and accumulated precipitation must be removed from the secondary containment system within 24 hours, or in as timely a manner as is possible to prevent harm to human health and the environment.
(c) Secondary containment for tanks must include one or more of the following devices:
1. A liner (external to the tank);
2. A vault; or
3. A double-walled tank.
(d) In addition to the requirements of 335-14-210(4)(a), (b), and (c), secondary containment systems must satisfy the following requirements:
1. External liner systems must be:
(i) Designed or operated to contain 100 percent of the capacity of the largest tank within its boundary;
(ii) Designed or operated to prevent run-on or infiltration of precipitation into the secondary containment system unless the collection system has sufficient excess capacity to contain run-on or infiltration. Such additional capacity must be sufficient to contain precipitation from a 25-year, 24-hour rainfall event.
(iii) Free of cracks or gaps; and
(iv) Designed and installed to surround the tank completely and to cover all surrounding earth likely to come into contact with the material if the material is released from the tank(s) (i.e., capable of preventing lateral as well as vertical migration of the material).
2. Vault systems must be:
(i) Designed or operated to contain 100 percent of the capacity of the argest tank within its boundary;



4. Pressurized aboveground piping systems with automatic shut-off devices (e.g., excess flow check valves, flow metering shutdown devices, loss of pressure actuated shut-off devices) that are visually inspected for leaks on a daily basis.
(5) General operating requirements
(a) Hazardous secondary materials or treatment reagents must not be placed in a tank system if they could cause the tank, its ancillary equipment, or the containment system to rupture, leak, corrode, or otherwise fail.
(b) The remanufacturer or other person that stores or treats the hazardous secondary material must use appropriate controls and practices to prevent spills and overflows from tank or containment systems. These include at a minimum:
1. Spill prevention controls (e.g., check valves, dry disconnect couplings);
2. Overfill prevention controls (e.g., level sensing devices, high level alarms, automatic feed cutoff, or bypass to a standby tank); and
3. Maintenance of sufficient freeboard in uncovered tanks to prevent overtopping by wave or wind action or by precipitation.
(c) The remanufacturer or other person that stores or treats the hazardous secondary material must comply with the requirements of 335-14-210(7) if a leak or spill occurs in the tank system.
(6) [Reserved].
(7) Response to leaks or spills and disposition of leaking or unfit-for-use tank systems. A tank system or secondary containment system from which there has been a leak or spill, or which is unfit for use, must be removed from service immediately, and the remanufacturer or other person that stores or treats the hazardous secondary material must satisfy the following requirements:
(a) Cessation of use; prevent flow or addition of materials. The remanufacturer or other person that stores or treats the hazardous secondary material must immediately stop the flow of hazardous secondary material into the tank system or secondary containment system and inspect the system to determine the cause of the release.
(b) Removal of material from tank system or secondary containment system.
1. If the release was from the tank system, the remanufacturer or other person that stores or treats the hazardous secondary material must, within 24 hours after detection of the leak or, if the remanufacturer or other person that stores or treats the hazardous secondary material demonstrates that it is not possible, at the earliest practicable time, remove as

much of the material as is necessary to prevent further release of hazardous secondary mate the environment and to allow inspection and repair of the tank system to be performed.	<u>rial to</u>
2. If the material released was to a secondary containment system, all released materials must be removed within 24 hours or in as timely a manner as is possible prevent harm to human health and the environment.	<u>to</u>
(c) Containment of visible releases to the environment. The remanufacture other person that stores or treats the hazardous secondary material must immediately conductivisual inspection of the release and, based upon that inspection:	rer or et a
 Prevent further migration of the leak or spill to soils or surface water; 	and
2. Remove, and properly dispose of, any visible contamination of the so surface water.	<u>il or</u>
(d) Notifications, reports.	
1. Any release to the environment, except as provided in 335-14-210(7)(d)2, must be reported to the Department within 24 hours of its detection. If the release been reported pursuant to 40 CFR part 302, that report will satisfy this requirement.	<u>has</u>
2. A leak or spill of hazardous secondary material is exempted from the requirements of this paragraph if it is:	
(i) Less than or equal to a quantity of 1 pound, and	
(ii) Immediately contained and cleaned up.	
3. Within 30 days of detection of a release to the environment, a report containing the following information must be submitted to the Department:	
(i) Likely route of migration of the release;	
(ii) Characteristics of the surrounding soil (soil composition, geology, hydrogeology, climate);	
(iii) Results of any monitoring or sampling conducted in connection with the release (if available). If sampling or monitoring data relating to the release are not available within 30 days, these data must be submitted to the Department as soon as they become available.	<u>le</u>
(iv) Proximity to downgradient drinking water, surface water, and populated areas; and	<u>d</u> _
(v) Description of response actions taken or planned.	



[Note: 40 CFR part 302 may require the owner or operator to notify the National Response Center of certain releases.]

