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TRANSMITTAL SHEET FOR NOTICE OF INTENDED ACTION

Control 335 Department or Agency **Environmental Management**
Rule No. **335-7-11-.13**
Rule Title: **Corrosion Control Study**

____ 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

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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 Reference Service.

Signature of certifying officer Marilyn Elliott

Date June 20, 2012

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Date Filed

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11/96

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION

NOTICE OF INTENDED ACTION

AGENCY NAME: DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

RULE NO. & TITLE:

335-7-11-.11	Action Level Non-Compliance (Amend)
335-7-11-.12	Corrosion Control Treatment Requirement (Amend)
335-7-11-.13	Corrosion Control Study (Amend)
335-7-11-.17	Public Education Requirement (Amend)

INTENDED ACTION: The Alabama Department of Environmental Management proposes to revise division 335-7, Public Water Supply.

SUBSTANCE OR PROPOSED ACTION: Revisions to rules 335-7-11-.11(a), 335-7-11-12(a), 335-7-11-.13(e) and 335-7-11-.17(2) are being proposed to correct typographical errors and clarify requirements.

TIME, PLACE, MANNER OF PRESENTING VIEWS: Comments may be submitted in writing at the offices of the Alabama Department of Environmental Management, 1400 Coliseum Blvd, Montgomery, AL 36109 or by mail to P.O. Box 301463, Montgomery, AL 36130-1463.

FINAL DATE FOR COMMENT AND COMPLETION OF NOTICE: August 3, 2012 at 5:00 p.m.

CONTACT PERSON AT AGENCY: George M. Cox, Section Chief
Groundwater Section [334/271-7778]

Lance R. LeFleur
Director

335-7-11-.13 Corrosion Control Study. Systems proposing to use a new source or exceeding the lead and copper compliance limit may be required to conduct and submit a corrosion control study to determine the optimum corrosion control process to minimize exposure of lead and copper to the consumers.

(a) Any water system performing a corrosion control study shall evaluate the effectiveness of each of the following treatment processes and if appropriate, any combination of these processes:

1. Alkalinity and pH adjustment,

2. Calcium hardness adjustment, and

3. The addition of a phosphate or silicate based corrosion inhibitor at a concentration to maintain an effective residual in the distribution system.

(b) The study shall use either a pipe-loop test, metal coupon test, partial system test, or analysis based on documented treatment activities from other water systems with similar water chemistry, similar system size, and same distribution system configuration.

(c) The following water quality parameters shall be measured during the test conducted to allow proper evaluation of the processes:

1. Lead

2. Copper

3. pH

4. Total alkalinity

5. Calcium

6. Conductivity

7. Orthophosphate (when a phosphate inhibitor is evaluated)

8. Silicate (when a silicate compound is evaluated)

9. Water temperature

(d) The study shall identify all chemical or physical constraints that may limit or prohibit the use of a particular corrosion treatment method, identify any previously used corrosion control treatment that was found ineffective, or adversely affected any treatment processes, shall evaluate the effect of the proposed chemicals to be used on the water quality treatment

processes demonstrating adequate corrosion control, and shall provide a recommendation of the proposed process to be installed.

(e) Information to be included with the recommended process shall include cost of the proposed installation, equipment to be used including model number and brand, chemical to be added including proposed concentration rate, NSF approval document, and availability information on the chemical and a construction schedule demonstrating the equipment can be operational within 24 months of the study submittal. After review of the recommended process, the ~~department~~Department will determine the optimum corrosion control process and the water quality parameter values. Lead and copper monitoring shall continue each six-month compliance period from the date the parameter values are set.

Author: Joe Alan Power.
Statutory Authority: Code of Alabama 1975, §§ 22-23-33, 22-22A-5, 22-22A-6.
History: Adopted: September 23, 1992; Amended: September 19, 1995 (ER); November 28, 1995. Effective: January 2, 1996.
Amended: March 12, 2002; XXXXX, 2012.