

**TRANSMITTAL SHEET FOR
NOTICE OF INTENDED ACTION**

Control 335 Department or Agency Environmental Management
Rule No. 335-7-2-09
Rule Title: Maximum Residual Disinfectant Levels and Monitoring Requirement (MRDLs)

 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.

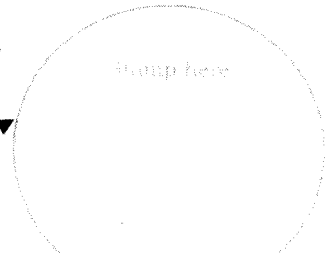
Certification of Authorized Official

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 Mandy Elliott

Date March 20, 2012

Date Filed



APA-2
11/96

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
WATER DIVISION

NOTICE OF INTENDED ACTION

AGENCY NAME: DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

RULE NO. & TITLE: 335-7-2-.03 Inorganic Chemical Standards and Monitoring Requirement (Amend)
335-7-2-.04 Synthetic Chemical (SOCs) Standards and Monitoring Requirements (Amend)
335-7-2-.08 Radionuclide Standards and Monitoring Requirements (Amend)
335-7-2-.09 Maximum Residual Disinfection Levels and Monitoring Requirements (MRDLs) (Amend)
335-7-2-.12 Stage 2 Disinfection Byproducts (Amend)
335-7-2-.16 Operational Evaluation Level (Amend)

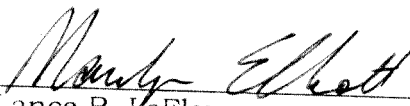
INTENDED ACTION: The Alabama Department of Environmental Management proposes to revise division 335-7, Public Water Supply.

SUBSTANCE OR PROPOSED ACTION: Revisions to rules 335-7-2-.03(4) (g), 335-7-2-.03 (5) (e), 335-7-2-.04(1) and 335-7-2-.08(1) are being proposed to make clarifications and administrative changes. Revisions to rules 335-7-2-.09(2) (a), 335-7-2-.12(a) 4, and 335-7-2-.16 (5) are being made for technical changes.

TIME, PLACE, MANNER OF PRESENTING VIEWS: Comments may be submitted in writing or orally at a public hearing to be held May 2, 2012, at 10:00 a.m. in the Main Hearing Room at the ADEM Central Office located at 1400 Coliseum Blvd., Montgomery, AL 36110.

FINAL DATE FOR COMMENT AND COMPLETION OF NOTICE: May 4, 2012 at 5:00 p.m.

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



Lance R. LeFleur
Director

335-7-2-.09 Maximum Residual Disinfectant Levels and Monitoring Requirements (MRDLs).

(1) The following are the MRDLs:

Disinfectant	MRDL (mg/L)
Chlorine	4.0 (as Cl ₂)
Chloramines	4.0 (as Cl ₂)
Chlorine Dioxide	0.8 (as ClO ₂)

(2) Community and NTNC water systems measure for disinfectant residuals.

(a) Systems that use either chlorine or chloramines as a primary or secondary disinfectant must measure the disinfectant levels ~~daily at the entrance to the distribution system from any treatment plant or purchase connection in use and at any distribution disinfection addition point or at the~~ time and location of monthly distribution microbiological samples that are collected to determine compliance with the total coliform rule.

(b) Community, NTNC, and transient noncommunity water systems using chlorine dioxide must measure the chlorine dioxide level daily at the entrance to the distribution system. On each day following a daily sample monitoring result that exceeds the MRDL, the system is required to take three chlorine dioxide distribution system samples. If chlorine dioxide or chloramines are used to maintain a disinfectant residual in the distribution system, or if chlorine is used to maintain a disinfectant residual in the distribution system and there are no disinfection addition points after the entrance to the distribution system, the system must collect three samples as close to the first customer as possible, at intervals of at least six hours. If chlorine is used to maintain a disinfectant residual in the distribution system and there are one or more disinfection addition points after the entrance to the distribution system, the system must collect one sample as close to the first customer as possible, one sample at a location representative of average residence time, and one sample representative of the maximum residence time in the distribution system.

(c) Non-compliance with the chlorine or chloramine MRDL will occur when the running annual average of monthly samples, computed quarterly, exceeds the MCL. When a water system switches between chlorine and chloramines, the average of all results must be used and the disinfectant utilized recorded on all monitoring reports. If a system fails to complete 12 consecutive months' monitoring, compliance with the MCL for the last four-quarter compliance period must be based on an average of the available data.

(d) Acute non-compliance with the chlorine dioxide MRDL will occur when any daily sample taken at the entrance to the distribution system exceeds the MRDL and on the following day one or more of the three samples

taken in the distribution system exceed the MRDL or the system fails to collect samples in the distribution system the day following an exceedance of the chlorine dioxide MRDL at the entrance to the distribution system. The system must also take immediate corrective action to lower the level of chlorine dioxide below the MRDL. Nonacute non-compliance with the chlorine dioxide MRDL will occur when any two consecutive daily samples collected at the entrance to the distribution system exceed the MRDL and all distribution system samples collected are below the MRDL or the system fails to collect samples at the entrance to the distribution system the day following an exceedance of the chlorine dioxide MRDL. The system must also take corrective action to lower the level of chlorine dioxide below the MRDL at the point of sampling.

Author: Thomas S. DeLoach, Edgar K. Hughes, Dennis D. Harrison.

Statutory Authority: Code of Alabama 1975, §§ 22-23-33, 22-23-49, 22-22A-5, 22-22A-6.

History: June 7, 2000.

Amended: January 28, 2004; December 12, 2005; January 22, 2008; May 26, 2009; XXXXX, 2012.