

TRANSMITTAL SHEET FOR
NOTICE OF INTENDED ACTION

Control 335 Department or Agency Environmental Management

Rule No. 335-7-5-.17

Rule Title: Disinfection Requirements

 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 Mary Elliott

Date June 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: 335-7-5-.13 Springs (Amend)
335-7-5-.15 Ground Water Quality (Amend)
335-7-5-.17 Disinfection Requirements (Amend)
335-7-5-.18 Filtration Requirements (Amend)
335-7-5-.22 Ground Water Rule (Amend)

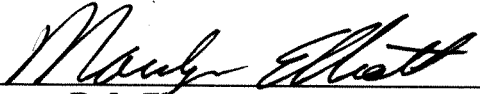
INTENDED ACTION: The Alabama Department of Environmental Management proposes to revise division 335-7, Public Water Supply.

SUBSTANCE OR PROPOSED ACTION: Revisions to rules 335-7-5-.13(b) 335-7-5-.15 (b), 335-7-5-.17 (a) 3, and 335-7-5-.18, 335-7-5-.22 (5)(a) 1. (ii) and 335-7-5-.22(6)(b) 3. (i) (I) are being proposed to make administrative changes and to 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. LePleur
Director

335-7-5.17 Disinfection Requirements. Disinfection of the water shall be accomplished using a chemical or treatment technique accepted by the Department. Sufficient contact time to allow proper disinfection to take place must be provided as follows:

(a) A chlorine concentration time (CT) of at least 60 shall be provided when the average monthly turbidity is less than five NTU, and

1. The geologic conditions are such that contamination may occur, or
2. The average total coliform count of the raw water exceeds 20 per 100 milliliters but is less than 100 per 100 milliliters for an average of weekly samples for a minimum of four consecutive months, or
3. The average fecal coliform (or *E. coli*) count of the raw water exceeds five per 100 milliliters but is less than 20 per 100 milliliters for an average of weekly samples for a minimum of four consecutive months.
4. Should a disinfectant other than chlorine be used, an equivalent CT time will be provided by the Department.

(b) Water systems shall maintain an adequate level of disinfectant residual in the distribution system at all times. This residual shall be determined and recorded daily from an approved sampling site or other representative point in the system. For systems using chlorine as disinfectant, the residual shall be maintained at a level no less than 0.2 mg/L free chlorine. Should the residual at a sampling site fall below 0.2 mg/L and not be restored within four hours, a treatment technique violation has occurred requiring appropriate public notification within 14 days. Should the disinfectant residual not be restored within 24 hours, microbiological samples representative of the effected area shall be collected. Should these samples show system contamination, an acute violation has resulted, requiring appropriate notification.

Author: Joe Alan Power, Edgar K. Hughes.

Statutory Authority: Code of Alabama 1975, §§ 22-23-1 through 22-24-12.

History: May 23, 1977; Repealed and readopted: January 4, 1989; October 31, 1990.

Amended: December 8, 1998; effective: January 25, 1999; June 7, 2000; December 12, 2005; XXXXX, 2012.