

OAR CHAPTER 333
DIVISION 061
PUBLIC WATER SYSTEMS

333-061-0085 Supplemental Fluoridation

- (1) When fluoride compounds are added at public water systems for the prevention of dental caries, it shall be done in accordance with the following:
 - (a) The chemical feed apparatus shall be of a type specifically designed for metering fluoride compounds in proportion to the flow of water being treated. The apparatus shall possess an accuracy tolerance of no more than plus or minus five percent and shall be designed and installed in a manner such that the injection of fluoride compounds is terminated when the water being treated ceases to flow;
 - (b) The specifications for the fluoride compounds shall conform with the most current AWWA standards as follows:
 - (A) Sodium fluoride AWWA B701
 - (B) Sodium fluorosilicate AWWA B702
 - (C) Fluorosilicic acid AWWA B703
 - (c) Respirators, replacement units and other safety equipment shall be stored in approved, dust-proof containers or cabinets when not in use.
- (2) Prior to the application of fluoride compounds at public water systems, the water supplier shall submit to the Department and receive approval for:
 - (a) Plans and specifications for the equipment with information on the testing instruments and protective devices for the operating personnel;
 - (b) Specifications of the fluoride compound to be used;
 - (c) Qualifications and training record of the person in responsible charge of the fluoridation operation;
 - (d) Current chemical analysis of the unfluoridated water.
- (3) During operation of the fluoridation equipment, the operator shall:
 - (a) Not exceed 2.0 mg/l of fluoride in the finished water;
 - (b) Maintain all equipment in good working order;
 - (c) Make determinations of the fluoride content by approved methods on:
 - (A) The unfluoridated water as required by the Department;
 - (B) The fluoridated water daily.
 - (d) Record daily the amount of fluoride added to the water, the quantity of water treated and the fluoride levels of the treated water. These records shall be submitted to the Department monthly;
 - (e) Submit a split sample of the fluoridated water to the Department for analysis as the Department may require;
- (f) Maintain and use safety equipment as required in this section.