



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

ARGEO PAUL CELLUCCI
Governor

JANE SWIFT
Lieutenant Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

DWS Policy 93-01A
Requirement For Disinfection With Water Supply Treatment
(Year 2000 Printing)

Effective Date: 10-8-96
Program Applicability
Supersedes Policy, SOP or Guidance #:
Approved by: Arleen O'Donnell

Policy, SOP or Guideline # 93-01A

This policy is adopted to clarify the requirement for "post disinfection" after treatment components on public water system groundwater sources, utilizing specific treatment systems.

Policy

It is the Department's policy that the drinking water flow from treatment processes (such as aeration or filtration) that provide physical removal of contaminants must be disinfected after treatment and prior to reaching the first customer. The Department may allow prechlorination at a location prior to treatment in lieu of post disinfection under the following conditions:

- 1) that a disinfection residual is maintained across the treatment components and a minimum disinfectant residual of 0.2 mg/l is available at the entry point to the distribution system.
- 2) A location is designed for post disinfection after the treatment system components in the event post disinfection becomes necessary.
- 3) Such a request – for pre-disinfection with the ability to add post disinfection if necessary – must accompany plans submitted to the Department for approval.
- 4) Adsorption type of filtration is not used.

For water systems installing chemical addition, such as corrosion control, disinfection may not be required after treatment. For other types of treatment systems such as enclosed aeration systems, The Department may waive the requirement for disinfection provided the public water supplier can demonstrate through increased coliform monitoring, after installation of such treatment equipment, that the treatment system is not contributing to bacterial contamination of the water supply. If the treatment is not causing bacterial contamination, then a regular sampling schedule should be followed. If the treatment is causing bacterial contamination, then disinfection is to be installed within 60 days.

Date: 10-08-96
Original Policy: 5-18-93

Arleen O'Donnell, Assistant Commissioner
Bureau of Resource Protection