



Boston Fire Department

Fire Prevention Division

1010 Massachusetts Avenue – 4th Floor

Boston, MA 02118

Hazardous Material Process or Processing

527 CMR 1.00 c 60.8 is the regulation governing this process.

FP 300 is the required application form

FP 310 is the required Fire Department Inspector's Checklist

Purpose: The Purpose of 527 CMR 1.00 Chapter 60 of Massachusetts Amendments is to protect the public and emergency personnel from fire or explosive hazards arising out of hazardous materials processing. This is done by conducting a hazard evaluation review associated with the hazardous materials process, completing the Application for Permit to Process Hazardous Materials (FP 300) and submitting it to the Boston Fire Department.

Guide: This regulation applies to all new and existing facilities processing hazardous materials. When reviewing Hazardous Material Processing, attention should be made to 527 CMR 1.00 Chapter 60.8.1.1 describing the provisions that do not apply. Attention should also be made to 527 CMR 1.00 Chapter 3.3.205 definitions, in particular the definition of Process or Processing. Process can be a Physical Operation or Chemical Operation. The Definition of Vessel and its examples should also be noted. Remember this regulation is vessel capacity driven not inventory or facility driven.

The categories of Hazardous Process or Processing are classified in 527 CMR 1.00 Chapter 60.8.2.9. Due to the quantity of hazardous material and potential complexity of the processes involved, the Boston Fire Department requires a third party review by a competent professional for all category 4 and category 5 processes. Emergency Response Planning requirements are described in NFPA 1 Chapter 10.9.2. It should be noted that Emergency Response Planning is applicable to all process management categories.

Reference Standards:

Boston Fire Prevention Code

527 CMR 1.00 Massachusetts Amendments 2014 (Process Management)

NFPA 1 Massachusetts Comprehensive Fire Safety Code 2012

29 CFR 1910.119 Process Safety Management of Highly Hazardous Chemicals

40 CFR 68 EPA Chemical Accident Prevention Provisions