



The City of
Worcester

Worcester Fire Department
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**WORCESTER FIRE DEPARTMENT APPLICATION FOR PERMIT:
HAZARDOUS MATERIAL USE & STORAGE**

Application for Hazardous Materials Use & Storage, per Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00: Ch.60 (Hazardous Materials). The scope of 527 CMR 1.00 includes, but is not limited to, the following in accordance with M.G.L. c. 22D and M.G.L. c. 148 and as prescribed by M.G.L. c. 143 § 96.

Massachusetts Comprehensive Fire Safety Code, 527 CMR 1.00, is based on the 2012 edition of NFPA® 1.

OPERATION FOR WHICH PERMIT IS ISSUED	HAZARDOUS MATERIALS USE & STORAGE per 527 CMR 1.00: Ch.60
ADDRESS WHERE ACTIVITY IS TO BE CONDUCTED (INCLUDE NAME OF BUSINESS, STREET ADDRESS & ZIP CODE).	
NAME OF OWNER	
PHONE NUMBER, OWNER	
NAME OF 24/7 EMERGENCY CONTACT	
PHONE NUMBER OF 24/7 EMERGENCY CONTACT	
ADDITIONAL REQUIRED DOCUMENTATION	
<input type="checkbox"/> INCLUDE COMPLETED FIRE PREVENTION FORM FP-006, APPLICATION FOR STANDARD PERMIT. CLICK LINK HERE FOR FP-006 FORM. <input type="checkbox"/> CERTIFICATE(S), AND/OR LICENSE(S) ISSUED UNDER M.G.L. C. 148 § 13 (AS APPLICABLE). <input type="checkbox"/> FLOOR PLANS/SITE PLANS (IF REQUIRED). <input type="checkbox"/> CHECK HERE IF HAZARDOUS MATERIALS PROCESS TAKES PLACE IN A VESSEL WITH A VOLUME >2.5 GAL. <input type="checkbox"/> <u>CATEGORY 2</u> : 2.5 TO 60 GAL. <input type="checkbox"/> <u>CATEGORY 3</u> : 60 GAL–300 GAL. IN AN ‘H’ OCCUPANCY. <input type="checkbox"/> <u>CATEGORY 4</u> : LARGEST VESSEL EXCEEDS 300 GAL BUT IS NOT COVERED BY CATEGORY 5. <input type="checkbox"/> <u>CATEGORY 5</u> : AMOUNT OF HAZARDOUS MATERIALS IN PROCESS EXCEEDS THRESHOLD QUANTITY 29 CFR 1910.119 OR 40 CFR 68. CLICK HERE FOR FP-003 FORM: PERMIT TO PROCESS HAZARDOUS MATERIALS. <input type="checkbox"/> CHECK BOX IF AN INDUSTRIAL OVEN AND/OR FURNACE IN USE ON PREMISES. INDICATE CLASS OF OVEN: CLASS A <input type="checkbox"/> CLASS B <input type="checkbox"/> CLASS C <input type="checkbox"/> CLASS D <input type="checkbox"/>	<input type="checkbox"/> CHECK HERE IF APPROVED FLAMMABLES CABINETS, GAS CABINETS, AND/OR EXHAUSTED ENCLOSURES IN PLACE. <input type="checkbox"/> CHECK BOX IF INDOOR and/or OUTDOOR STORAGE OF CLASS I FLAMMABLE LIQUIDS. <u>LIST IN INVENTORY.</u> <input type="checkbox"/> CHECK HERE IF INDOOR and/or OUTDOOR STORAGE OF CLASS II AND/OR IIIA COMBUSTIBLE LIQUIDS. <u>LIST IN INVENTORY.</u> <input type="checkbox"/> OCCUPANCY PERMIT (INCLUDE COPY). <input type="checkbox"/> CHECK IF AUTOMATIC SPRINKLER SYSTEM IN PLACE, & INCLUDE COPY OF LAST INSPECTION. <input type="checkbox"/> CHECK HERE IF FIRE ALARM SYSTEM ON PREMISES: <input type="checkbox"/> VISUAL AND AUDIBLE ALARM ONLY ALERTS AT FACILITY (LOCAL ALARM) <input type="checkbox"/> ALARM IS MONITORED BY A PRIVATE COMPANY (CENTRAL STATION ALARM) <input type="checkbox"/> ALARM IS MONITORED BY MUNICIPAL 911 (MASTERBOX)

	<input type="checkbox"/> CHECK IF BULK, OUTDOOR, ABOVE-GROUND STORAGE OF COMPRESSED GASES ¹ , AND/OR CRYOGENICS ON SITE. <input type="checkbox"/> CHECK BOX IF 'H' OCCUPANCY/MAXIMUM ALLOWABLE QUANTITIES EXCEEDED.
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WFD COMBINED FLAMMABLES & HAZARDOUS MATERIALS INVENTORY SUBMISSION FORM				
NAME OF BUSINESS & ADDRESS		PAGE ____		
NAME OF CHEMICAL, HAZARDOUS SUBSTANCE, or FLAMMABLE/COMBUSTIBLE LIQUIDS, ETC. and LOCATION	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER	HAZARDOUS PROPERTIES and PHYSICAL FORM (liquid, solid, gas; color, odor and any other identifying characteristics)	NFPA 704	AMOUNT IN INVENTORY

¹ Includes: corrosive, flammable, highly toxic, inert/simple asphyxiants, oxidizing, pyrophoric and/or unstable compressed gases.

The inventory must contain:

- All hazardous materials and flammable/combustible liquids in inventory,
- The chemical name and brief description of location
- Chemical Abstract Service number
- NFPA 704 rating for each substance (optional for inventories with less than 50 line items)
- Hazardous properties of said chemicals (not limited to DOT classification—all GHS properties), & physical form
- The amount in inventory (if it fluctuates, enter the amount that is the most that can be expected to be found on any given day)

All fields must be typed, not handwritten (illegibility results in transposition errors, and in chemistry that can change everything).

Inventories may be submitted in Excel or Word formats, or in the format provided (previous page) and should be submitted electronically to the Hazmat Code Enforcement Officer (see email address below). The form on page 2 is provided for reference, as an example of the format, or you may use it for your submission.

EXAMPLE INVENTORY SUBMISSION FORM (see previous page for blank Inventory Submission form).



WFD COMBINED HAZARDOUS INVENTORY SUBMISSION FORM				
NAME OF BUSINESS & ADDRESS		ALBANY OIL – 555 SECOND ST, WORCESTER		
NAME ² OF CHEMICAL, HAZARDOUS SUBSTANCE, or		HAZARDOUS PROPERTIES ³ and	NFPA 704 ⁴	AMOUNT IN INVENTORY ⁵

² Include common names, also-known-as, and for commercial products any identifying numbers that differentiate between concentrations, etc.

³ Not limited to DOT classification. See chemical/hazardous materials/flammables SDS for all GHS hazard classifications.

⁴ Required when chemical/hazardous materials/flammables inventory exceeds 50 line items. See SDSs for NFPA 704 values.

⁵ All weights and measures to be submitted in imperial units: pounds, ounces, gallons. Gases to be submitted in cubic feet (ft³).

FLAMMABLE/COMBUSTIBLE LIQUIDS, ETC. and LOCATION	CHEMICAL ABSTRACT SERVICE (CAS) NUMBER	PHYSICAL FORM (liquid, solid, gas; color, odor and any other identifying characteristics)		
ETHANOL LOCATED: northeast corner, inside building.	64-17-5	CLASS I FLAMMABLE LIQUID PHYSICAL FORM: clear colorless liquid with a characteristic vinous (wine-like) odor and pungent taste.		110 gal in (2) 55 gal drums
METHYLTRICHLOROSILANE Located in hazmat blow-out bunker, rear (c-side) of building (see site plan).	75-79-6	CORROSIVE, CLASS IB FLAMMABLE LIQUID. CLASS 2-to-3 WATER-REACTIVE (REACTS VIOLENTLY WITH WATER AND REACTS WITH WATER OR STEAM TO FORM HYDROCHLORIC ACID). AIR-REACTIVE (ON CONTACT WITH AIR IT GIVES OFF HCL ⁶ GAS). colorless fuming liquid with a pungent odor		(4) 250 lbs tanks/1,000 lbs

Instructions for submitting applications:

- Contact the Hazardous Materials Code Enforcement Officer (email: SARAHazmat@worcesterma.gov) for directions, requirements, and guidance.
- Applications must include completed FP-006 form, Standard Application for Permit and page 1 of this document. This is to establish the applicant's information. Actual applications are generated by the Hazardous Materials Code Enforcement Officer/AHJ.
- 400:1.12* Hazardous Materials Inventory Statement (HMIS):
1.12.1 When required by the AHJ, a hazardous materials inventory statement (HMIS) shall be completed and submitted to the AHJ.
- An inventory of all hazardous materials, including flammable and combustible liquids and flammable gases on site is required. Hazardous Materials are defined as all materials in inventory for which the user is required by OSHA to keep a Safety Data Sheet on. The exception being: cleaning products in retail sizes—facilities are not required to submit cleaning supplies unless in they are in bulk, exceeding 5 gallons per container. As stated above, the inventory must contain:
 - The chemical name
 - Brief description of location
 - Chemical Abstract Service number,
 - Hazardous properties of said chemicals (not limited to DOT classification—all GHS properties), and brief description of physical form (liquid, solid, gas; color, odor and any other identifying characteristics)
 - NFPA 704 rating for each substance (required for inventories exceeding 50 line items)
 - The amount in inventory (if it fluctuates, then an educated guess as to the most that can be expected to be found on any given day).
- Inventories are reviewed and requirements for permits are based on:
 - 527 CMR 1.00 directs to NFPA 1, Tables 1.12.8(a), (b), (c), & (d)
 - Quantity of chemical or substance
 - Authorities, regulations, codes, standards, and accepted definitions
 - Hazardous properties (based on a comparison of information sources, i.e. CAMEO Chem, PubChem, SDS sheets, and other industry standard sources).
- NFPA 704s can be found on most Safety Data Sheets, or alternately CAMEO Chemical, PubChem, etc.
- Flammable & Combustible Liquids in excess of permit quantities require Flammables Liquids Use and Storage permits. Hazardous Materials in quantities greater than permit quantities require separate permits. Permits required for hazardous processes (Permit to Process Hazardous Materials) have separate requirements and require separate permits as well. Bulk storage of Compressed Gases

⁶ Hydrogen Chloride Gas

and/or Cryogenic Liquids may or may not be permitted separately on a Compressed Gases/Cryogenics permit (depending on presence of outdoor bulk storage ASTs, or indoor storage issues that require a formal record. All of the aforementioned is at the discretion of the Authority Having Jurisdiction.

8. The Hazmat Code Enforcement Officer (who is also responsible for oversight of Commercial Flammable/Combustibles permits) will supply the applicant with the appropriate, actual FP-003 and/or FP-006 permit applications after review.
9. Applications must be taken to, or mailed to the Worcester Fire Department Fire Prevention Division at 25 Meade St. The fee per permit is \$50. Checks and credit cards are accepted. Checks must be made payable to 'City of Worcester'.
10. Accuracy in completing these forms is vitally important and the sole responsibility of the user, as is a working knowledge of applicable regulations, codes, and standards pertaining to the use, storage, handling, and manufacturing involving hazardous materials.
11. A Facility Emergency Coordinator must be named as emergency point-of-contact between responders and the facility (from a hazardous materials standpoint). The Facility Emergency Coordinator is responsible for knowing:
 - Chemical processes
 - Properties of the chemicals
 - Proper storage procedures
 - First aid to initially treat exposure to chemicals in inventory
 - Behavior of chemicals under release, and:
 - Physical forms of the chemicals under release
 - Weather conditions under which it/they were released
 - Geographical area of impact
 - Probable harm that will be caused
 - Unusual reactions between chemicals in inventory
 - Any special training and/or equipment needed by first responders to respond to their chemicals in inventory
 - How much of each chemical may be present at particular time
 - Any other info that might be pertinent to particular chemical.
 - Knowing shipping routes & types of carriers.

Conditions of note regarding permits:

From 527 CMR 1.00:

1.7.7.4.1 The applicant for any permit, certificate or license issued pursuant to the provisions of this Code or M.G.L. c. 148, or any person who seeks to renew or continue to hold such permit, certificate or license, shall be deemed to have consented to the inspection, at any reasonable hour, of any documents, premises, structure, marine vessel, building or vehicle reasonably associated with said permit, license or certificate, or application or renewal thereof, in order to confirm compliance with the requirements of this Code, M.G.L. c. 148 or other related law or regulation related to such permit, license or certificate.

1.12.2 Applications for permits shall be accompanied by such data as required by the AHJ and such fees as required by Massachusetts General Laws.

1.12.6.7 Any change that affects any of the conditions of the permit shall require a new or amended permit.

1.12.7.1 The AHJ shall be permitted to revoke or suspend a permit or approval issued by said AHJ if any violation of this Code or of M.G.L. c. 148 is found upon inspection or if any false statements or misrepresentations have been submitted in the permit application or plans on which the permit or approval was based.

1.7.8 Imminent Danger Conditions. Where conditions exist and are deemed to be an imminent danger by the AHJ, the AHJ shall have the authority to abate or require abatement of such conditions that are in violation of this Code or M.G.L. c. 148.

1.15.1.1 As permitted by other sections of this Code, the AHJ shall be permitted to require a review by an approved independent third party⁷ with expertise in the matter, to be reviewed at the submitter's expense.

1.15.1.2 The independent reviewer shall provide an evaluation and, if appropriate, recommend necessary changes of the proposed design, operation, process, or new technology to the AHJ.

⁷ see also **60.8.2.5—'Competent Professional'**: A person who, based upon education, training, skill, experience or professional licensure or a combination thereof, has a specialized knowledge beyond that of an average person, about risk assessment, process hazard analysis, and/or process safety management principles, for the process or processes being evaluated.

1.15.1.3 The AHJ shall be authorized to require design submittals to bear the stamp of a registered design professional.

1.15.1.4 The AHJ shall make the final determination as to whether the provisions of this Code have been met.

The purpose of these regulations is to provide basic requirements for the protection of life and property through prevention and control of fires, explosions, releases of toxic materials with acute or chronic health effects, involving the use of hazardous materials. Its requirements are designed to control hazards and protect personnel from the harmful effects to which personnel might be exposed to as the result of a toxic release, fire, or explosion, and to achieve a comprehensive fire prevention and protection program to prevent injury or death to occupants and emergency response personnel.