

APPENDIX H

HAZARDOUS MATERIALS MANAGEMENT PLAN (HMMP) AND HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) INSTRUCTIONS

DHCD Note: The provisions in this appendix are not part of this code and are provided only as a resource for local governments in consideration of the adoption of local fire prevention regulations.

SECTION H101 HMMP

H101.1 Part A (See Example Format in Figure 1).

1. Fill out items and sign the declaration.
2. Part A of this section is required to be updated and submitted annually, or within 30 days of a process or management change.

H101.2 Part B—General Facility Description/Site Plan (See Example Format in Figure 2).

1. Provide a site plan on 8-1/2 by 11-inch (215 mm by 279 mm) paper, showing the locations of all buildings, structures, outdoor chemical control or storage and use areas, parking lots, internal roads, storm and sanitary sewers, wells and adjacent property uses. Indicate the approximate scale, northern direction and date the drawing was completed.

H101.3 Part C—Facility Storage Map—Confidential Information (See Example Format in Figure 3).

1. Provide a floor plan of each building identified on the site plan as containing hazardous materials on 8-1/2 by 11-inch (215 mm by 279 mm) paper, identifying the northern direction, and showing the location of each storage and use area.
2. Identify storage and use areas, including hazard waste storage areas.
3. Show the following:
 - 3.1. Accesses to each storage and use area.
 - 3.2. Location of emergency equipment.
 - 3.3. Location where liaison will meet emergency responders.
 - 3.4. Facility evacuation meeting point locations.
 - 3.5. The general purpose of other areas within the building.
 - 3.6. Location of all aboveground and underground tanks to include sumps, vaults, below-grade treatment systems, piping, etc.
 - 3.7. Show hazard classes in each area.
 - 3.8. Show locations of all H occupancies, control areas, and exterior storage and use areas.
 - 3.9. Show emergency exits.

H101.4 HMMP short form. Facilities with the *maximum allowable quantities or less per control area* in Tables 2703.1.1(1) through 2703.1.1(4) of the *International Fire Code* and where the threshold planning quantities at EPA 40 CFR Part 355, Sections 302 and 304 are not exceeded, shall be allowed to file a short-form HMMP which shall include all of the following components:

1. General facility information.
2. A simple line drawing of the facility showing the location of storage facilities and indicating the hazard class or classes and physical state of the hazardous materials being stored.
3. Information that the hazardous materials will be stored and handled in a safe manner and will be appropriately contained, separated and monitored.
4. Assurance that security precautions have been taken, employees have been appropriately trained to handle the hazardous materials and react to emergency situations, adequate labeling and warning signs are posted, adequate emergency equipment is maintained and the disposal of hazardous materials will be in an appropriate manner.

SECTION H102 HMIS

H102.1 Inventory statement contents.

1. HMIS Summary Report (see Example Format in Figure 4).
 - 1.1. Complete a summary report for each control area and Group H occupancy.
 - 1.2. The storage summary report includes the HMIS Inventory Report amounts in storage, use-closed and use-open conditions.
 - 1.3. Provide separate summary reports for storage, use-closed and use-open conditions.
 - 1.4. IBC/IFC Hazard Class.
 - 1.5. Inventory Amount. [Solid (lb), Liquid (gal), Gas (cu ft, gal or lbs)].
 - 1.6. IBC/IFC Maximum Allowable Quantity per control area (MAQ). (If applicable, double MAQ for sprinkler protection and/or storage in cabinets. For wholesale and retail sales occupancies, go to Tables

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2703.11.1 and 3404.3.4.1 of the *International Fire Code* for MAQs.).

2. HMIS Inventory Report (see Example Format in Figure 5).
 - 2.1. Complete an inventory report by listing products by location.
 - 2.2. Product Name.
 - 2.3. Components. (For mixtures specify percentages of major components if available.)
 - 2.4. Chemical Abstract Service (CAS) Number. (For mixtures list CAS Numbers of major components if available.)
 - 2.5. Location. (Identify the control area or, if it is a Group H occupancy, provide the classification, such as H-2, H-3, etc.)
 - 2.6. Container with a capacity of greater than 55 gallons (208 L). (If product container, vessel or tank could exceed 55 gallons, indicate yes in column.)
 - 2.7. Hazard Classification. (List applicable classifications for each product.)
 - 2.8. Stored. (Amount of product in storage conditions.)
 - 2.9. Closed. (Amount of product in use-closed systems.)
 - 2.10. Open. (Amount of product in use-open systems.)

Facilities which have prepared, filed and submitted a Tier II Inventory Report required by the U.S. Environmental Protection Agency (USEPA) or required by a state which has secured USEPA approval for a similar form shall be deemed to have complied with this section.

SECTION H103 EMERGENCY PLAN

1. Emergency Notification. (See Example Format in Figure 6.)
2. Where OSHA or state regulations require a facility to have either an Emergency Action Plan (EAP) or an Emergency Response Plan (ERP), the EAP or ERP shall be included as part of the HMMP.

SECTION H104 REFERENCED STANDARDS

EPA 40 CFR Part 355—2008	Emergency Planning and Notification	H101.4
ICC IBC-09	International Building Code	H102.1
ICC IFC-09	International Fire Code	H101.4, H102.1

**FIGURE 1
HAZARDOUS MATERIALS MANAGEMENT PLAN
SECTION I: FACILITY DESCRIPTION**

1. Business Name: _____ Phone: _____
Address: _____

2. Person Responsible for the Business
Name Title Phone

3. Emergency Contacts:
Name Title Home Number Work Number

4. Person Responsible for the Application/Principal Contact:
Name Title Phone

5. Principal Business Activity:

6. Number of Employees: _____

7. Number of Shifts: _____
a. Number of Employees per Shift

8. Hours of Operation: _____

FIGURE 4
SECTION II — HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) HMIS SUMMARY REPORT^a
(Storage^b Conditions)^c

IBC/IFC HAZARD CLASS	HAZARD CLASS (Abbrev)	INVENTORY AMOUNT			IBC/IFC MAXIMUM ALLOWABLE QUANTITY ^d		
		Solid (lb)	Liquid (gal)	Gas (cu ft, gal, lb)	Solid (lb)	Liquid (gal)	Gas (cu ft, gal lb)
Combustible Liquid	C2		5			120	
	C3A					330	
	C3B		6			13200	
Combustible Fiber	Loose Baled						
Cryogenics, Flammable	CryO-Flam					45	
Cryogenic, Oxidizing	CryO-OX					45	
Flammable Gas (Gaseous) (Liquefied)	FLG			150			1000
						30	
Flammable Liquid	F1A					30	
	F1B & F1C		5			120	
Combination (1A, 1B, 1C)			5			120	
Flammable Solid	FLS				125		
Organic Peroxide	OPU				0		
	OP1				5		
	OP2				50		
	OP3				125		
	OP4				NL		
	OP5				NL		
Oxidizer	OX4				0		
	OX3				10		
	OX2				250		
	OX1				4000		

a. Complete a summary report for each control area and H occupancy.
 b. Storage = storage + use-closed + use-open systems
 c. Separate reports are required for use-closed and use-open systems
 d. Include increases for sprinklers or storage in cabinets, if applicable.
(This is an example; add additional hazard classes as needed.)

FIGURE 5
SECTION II — HAZARDOUS MATERIALS INVENTORY STATEMENT (HMIS) HMIS INVENTORY REPORT
(Sort Products Alphabetically by Location of Product and then Alphabetically by Product Name)

Product Name (Components) ^c	CAS Number	Location ^a	Container > 55 gal ^b	Haz Class 1	Haz Class 2	Haz Class 3	Stored (lbs)	Stored (gal)	Stored (gas) ^d	Closed (bls)	Closed (gal)	Closed gas ^d	Open (lbs)	Open (gal)
ACETYLENE (Acetylene gas)	74-86-2	Control Area 1		FLG	UR2				150					
BLACK AEROSOL SPRAY PAINT (Mixture)	Mixture	Control Area 1		A-L3			24							
GASOLINE, UNLEADED (Gasoline-Mixture)	8006-61-9	Control Area 1		F1B				5						
Methyl-t-Butyl-Ether- 15%	1634-04-4													
Diisopropyl Ether-7%	108-20-3													
Ethanol-11%	64-17-5													
Toluene-12%	108-88-3													
Xylene-11%	1330-20-7													
MOTOR OIL-10W40 (Hydrotreated Heavy Paraffinic Distillate- 85%; Additives-20%)	64742-54-7 Mixture	Control Area 1		C3B				3						
DIESEL (Diesel-99-100%; Additives)	68476-34-6 Proprietary	Control Area 2	Yes	C2				225						
TRANSMISSION FLUID (Oil-Solvent-Neutral; Performance Additives)	64742-65-0	Control Area 2		C3B				3						
OXYGEN, GAS (Oxygen)	7782-44-7	H-3		OXG					5000					

- a. Identify the control area or, if it is an H occupancy, provide the classification, such as H-2, H-3, etc.
b. If the product container, vessel, or tank could exceed 55 gallons, indicate yes in the column.
c. Specify percentages of main components if available.
d. In cubic feet, gallons, or pounds.

(This is an example; add additional hazard classes as needed.)

**FIGURE 6
HAZARDOUS MATERIALS MANAGEMENT PLAN
SECTION III: EMERGENCY PLAN**

1. In the event of an emergency, the following shall be notified:

a. Facility Liaison

Name	Title	Home Phone	Cell Phone
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

b. Agency

Agency	Contact	Phone Number
Fire Department	_____	_____
LEPC	_____	_____
Other	_____	_____