

Department of Licensing and Regulatory Affairs, Bureau of Fire Services, Storage Tank Division

P.O. Box 30033, Lansing, MI 48909
Phone 517-241-8847, Fax 517-332-1428

HYDROGEN STORAGE SYSTEMS INSPECTION CHECKLIST

INSTRUCTIONS: The Hazardous Materials Storage Inspector shall complete this checklist and attach it to an inspection report, one to be retained in the Region file and one for the Main Office file. All boxes shall be completed inserting N/A where non-applicable.

FACILITY NAME	FACILITY ID NUMBER
CONTACT PERSON ON SITE	FACILITY TYPE

FACILITY SECTION

SECTION	CODE	VIO	PASS	SECTION	CODE	VIO	PASS
1-8.1	DEPARTMENT APPROVAL BEFORE INSTALLED	H05		2-3.3	THREADED OR FLANGED FITTINGS, OUTDOORS ONLY, EXCEPT GAUGES/VALVES	H75	
1-10.1	TRAINING	H10		2-3.4	ABOVEGROUND PIPING SHALL BE MARKED WITH PRODUCT AND DIRECTION	H76	
2-6.4	TEMPERATURE MONITOR ON OUTLET PIPE OF VAPORIZER (Liquid systems only)	H18		2-3.1.1	PIPING SUPPORTED	H71	
7-2.2	TANK YARD SECURED	H72		2-3.1.2	PIPING PROTECTED	H74	
3-1.1	SYSTEM ACCESSIBLE	H31		2-3	PIPING MATERIAL AND CP	H70	
2-4.1	VALVES MUST COMPLY	H24		2-4.10	FIRE VALVE/SHUTOFF IN PIPING AT BUILDING	H78	
7-2.8	PRESSURE RELIEF IN PIPING	H73		3-1.9	TAMPERING PROTECTION	H82	
2-4/3-2.3	EMERGENCY SHUTOFF VALVES, MARKED	H25		4-8.1	ELECTRICAL INSPECTOR APPROVAL	H40	
3-2.3(ii)	ANNUAL TESTING DOCUMENTATION OF ESD'S	H20		3-2.2.1	COMBUSTIBLES >10 FEET AWAY	H30	
3-2.3(i)	APPROVED FLEX AT POINT OF TRANSFER	H34		3-1.3	POWER POLE >5 FEET AWAY	H81	
3-2.3	POINT OF TRANSFER & UNLOADING CONNECTIONS	H33		6-4/6-3	FIRE EXTINGUISHER – STRAW BROOM	H62	
2-4.8, 3-2.3	BACKFLOW CHECKVALVE AT FILL	H77		6-3.1	FACILITY MARKINGS (SIGNAGE)	H61	
4-8, 2-7	GROUNDING CABLE AT FILL	H41		5-6, 5-5	EMERGENCY PLAN, INCLUDE H2	H51	
PA207	FEE'S CURRENT	A59			MISCELLANEOUS FACILITY VIOLATION	H1	

TANK SECTION

SECTION	CODE	VIO	PASS	SECTION	CODE	VIO	PASS
2-1	CONTAINER DESIGN/MARKING	H21		2-3.1.2	CORROSION PORTECTION	H19	
2-2	PRESSURE RELIEF DEVICES (Vents)	H27		5-4.1(e)	CATHODIC PROTECTION RECORDS	H50	
2-1.2	RESTS ON PROPER FOUNDATION	H22		3-1.9	CONTAINER AND AREA MARKED	H60	
2-2.6	PRESSURE RELIEF TESTING – 5 YEARS	H28		2-1.8	OVERFILL PROTECTION (Liquid only)	H49	
2-2.7	EXCESS FLOW VALVE	H29		2-5.2	CONTAINER SPECIFICATION	H80	
3-2.2	LOCATION OF CONTAINER	H32		2-5	3-INCH NO SMOKING – NO OPEN FLAMES	H43	
2-1.5	PHYSICAL PROTECTION	H23		2.5	TANK LABELED H2	H79	
2-1.2	CONTAINER PROTECTION (painted)	H26			MISCELLANEOUS TANK VIOLATION	H2	

Sticker Applied; Yes _____ No _____ If No Reason _____

INSPECTOR _____ DATE _____

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**HYDROGEN STORAGE SYSTEMS INSPECTION CHECKLIST
(continued)**

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DISPENSER SECTION

SECTION	DESCRIPTION	CODE	VIO	PASS
2-12	DISPENSER VIOLATION	H37		
3-4, 7-2	DISPENSER LOCATION	H36		
3-4, 7-2.3	DISPENSER PROTECTED; DAMAGE/SECURED	H35		
7-2	NO SMOKING, STOP MOTOR, CONTAINER	H55		
7-2.13	REMAIN OUT OF VEHICLE IN VIEW OF NOZZLE (LIQUID ONLY)	H38		
7-5.3	SIGNAGE FOR EMERGENCIES	H39		
7-4.4	OPERATING INSTRUCTIONS POSTED	H42		

SECTION	DESCRIPTION	CODE	VIO	PASS
3-5, 5-1	BREAKAWAY ON HOSE	H44		
5-5, 5-4	BONDING	H52		
4-6.1	EMERGENCY SHUTDOWN INSTALLED	H45		
7-2.14	AUTOMATIC STOP FLOW NOZZLE	H46		
7-2	HAZARD ANALYSIS	H47		
7-6	EMERGENCY SHUTOFF DEVICE, 10 FEET TO 100 FEET	H48		