



Tentative Interim Amendment

NFPA 30A

Code for Motor Fuel Dispensing Facilities and Repair Garages

2008 Edition

Reference: Table 8.3.1

TIA 08-1

(SC 09-8-14/TIA Log #956)

Pursuant to Section 5 of the NFPA Regulations Governing Committee Projects, the National Fire Protection Association has issued the following Tentative Interim Amendment to NFPA 30A, *Code for Motor Fuel Dispensing Facilities and Repair Garages*, 2008 edition. The TIA was processed by the Technical Committee on Automotive and Marine Service Stations, and was issued by the Standards Council on August 6, 2009, with an effective date of August 26, 2009.

A Tentative Interim Amendment is tentative because it has not been processed through the entire standards-making procedures. It is interim because it is effective only between editions of the standard. A TIA automatically becomes a proposal of the proponent for the next edition of the standard; as such, it then is subject to all of the procedures of the standards-making process.

1. Revise Table 8.3.1 as follows:

Table 8.3.1 Extent of Class I Hazardous (Classified) Locations

Location	Class I		Extent of Classified Location ¹
	Division	Zone	
Dispensing Device (except Overhead Type)^{2,3}			
Under dispenser containment	1	1	Entire space within and under dispenser pit or containment
Dispenser	2	2	Within 18 in. (450 mm) of dispenser enclosure or that portion of dispenser enclosure containing liquid handling components, extending horizontally in all directions and down to grade level
Outdoor	2	2	Up to 18 in. (450 mm) above grade level, extending 20 ft (6 m) horizontally in all directions from dispenser enclosure
Indoor - with mechanical ventilation	2	2	Up to 18 in. (450 mm) above floor level, extending 20 ft. (6 m) horizontally in all directions from dispenser enclosure
- with gravity ventilation	2	2	Up to 18 in. (450 mm) above floor level, extending 25 ft (7.5 m) horizontally in all directions from dispenser enclosure
Dispensing Device — Overhead Type⁴			
	1	1	Space within dispenser enclosure and all electrical equipment integral with dispensing hose or nozzle
	2	2	Within 18 in. (450 mm) of dispenser enclosure, extending horizontally in all directions and down to grade level
	2	2	Up to 18 in. (450 mm) above grade level, extending 20 ft (6 m) horizontally in all directions from a point vertically below edge of dispenser enclosure

Table 8.3.1 Extent of Class I Hazardous (Classified) Locations (continued)

Location	Class I		Extent of Classified Location ¹
	Division	Zone	
Repair Garage, Major⁵ — where Class I liquids or gaseous fuels are transferred or dispensed ⁶ (See 3.3.12.1 and 8.3.5) specific areas adjacent to classified locations	1	1	Entire space within any pit, belowgrade work area, or subfloor work area that is not ventilated
	2	2	Entire space within any pit, belowgrade work area, or subfloor work area that is provided with ventilation of at least 1 ft ³ /min/ft ² (0.3 m ³ /min/m ²) of floor area, with suction taken from a point within 12 in. (300 mm) of floor level (See 7.4.5.4)
	2	2	Up to 18 in. (450 mm) above floor level of the room, except as noted below, for entire floor area
	unclassified	unclassified	Up to 18 in. (450 mm) above floor level of the room where room is provided with ventilation of at least 1 ft ³ /min/ft ² (0.3 m ³ /min/m ²) of floor area, with suction taken from a point within 12 in. (300 mm) of floor level
	2	2	Within 3 ft (0.9 m) of any fill or dispensing point, extending in all directions
	unclassified	unclassified	Areas adjacent to classified locations where flammable vapors are not likely to be released, such as stock rooms, switchboard rooms, and other similar locations, shall not be classified where mechanically ventilated at a rate of four or more air changes per hour, or designed with positive air pressure, or where effectively cut off by walls or partitions
Repair Garage, Minor⁵ — where Class I liquids or gaseous fuels are not transferred or dispensed (See 3.3.12.2 and 8.3.5) specific areas adjacent to classified locations	2	2	Entire space within any pit, belowgrade work area, or subfloor work area that is not ventilated
	2	2	Up to 18 in. (450 mm) above floor level, extending 3 ft (0.9 m) horizontally in all directions from opening to any pit, belowgrade work area, or subfloor work area that is not ventilated
	unclassified	unclassified	Entire space within any pit, belowgrade work area, or subfloor work area that is provided with ventilation of at least 1 ft ³ /min/ft ² (0.3 m ³ /min/m ²) of floor area, with suction taken from a point within 12 in. (300 mm) of floor level (See 7.4.5.4)
	unclassified	unclassified	Areas adjacent to classified locations where flammable vapors are not likely to be released, such as stock rooms, switchboard rooms, and other similar locations, where mechanically ventilated at a rate of four or more air changes per hour, or designed with positive air pressure, or where effectively cut off by walls or partitions
Repair Garage, Major⁵ — where lighter-than air gaseous fueled ⁷ vehicles are repaired or stored specific areas adjacent to classified locations	2	2	Within 18 in. (450 mm) of ceiling, except as noted below
	unclassified	unclassified	Within 18 in. (450 mm) of ceiling where ventilation of at least 1 ft ³ /min/ft ² of floor area is provided and suction is taken from a point within 18 in. (450 mm) of the highest point in the ceiling
	unclassified	unclassified	Areas adjacent to classified locations where flammable vapors are not likely to be released, such as stock rooms, switchboard rooms, and other similar locations, where mechanically ventilated at a rate of four or more air changes per hour, or designed with positive air pressure, or where effectively cut off by walls or partitions
Remote Pump — Outdoor Indoor	1	1	Entire space within any pit or box below grade level, any part of which is within 10 ft (3 m) horizontally from any edge of pump
	2	2	Within 3 ft (900 mm) of any edge of pump, extending horizontally in all directions
	2	2	Up to 18 in. (450 mm) above grade level, extending 10 ft (3 m) horizontally in all directions from any edge of pump
	1	1	Entire space within any pit
	2	2	Within 5 ft (1.5 m) of any edge of pump, extending in all directions
	2	2	Up to 3 ft (900 mm) above floor level, extending 25 ft (7.5) horizontally in all directions from any edge of pump
Sales, Storage, Rest Rooms including structures (such as the attendant's kiosk) on or adjacent to dispensers	unclassified	unclassified	Except as noted below
	1	1	Entire volume, if there is any opening to room within the extent of a Division 1 or Zone 1 location
	2	2	Entire volume, if there is any opening to room within the extent of a Division 2 or Zone 2 location

Table 8.3.1 Extent of Class I Hazardous (Classified) Locations (continued)

Location	Class I		Extent of Classified Location ¹
	Division	Zone	
Tank, Aboveground			
Inside tank	1	0	Entire inside volume
Shell, ends, roof, dike area	1	1	Entire space within dike, where dike height exceeds distance from tank shell to inside of dike wall for more than 50 percent of tank circumference
	2	2	Entire space within dike, where dike height <u>does not</u> exceed distance from tank shell to inside of dike wall for more than 50 percent of tank circumference
	2	2	Within 10 ft (3 m) of shell, ends, or roof of tank
Vent	1	1	Within 5 ft (1.5 m) of open end of vent, extending in all directions
	2	2	Between 5 ft and 10 ft (1.5 m and 3 m) from open end of vent, extending in all directions
Tank, Underground			
Inside tank	1	0	Entire inside volume
Fill Opening	1	1	Entire space within any pit or box below grade level, any part of which is within a Division 1 or Division 2 classified location or within a Zone 1 or Zone 2 classified location
	2	2	Up to 18 in. (450 mm) above grade level, extending 5 ft (1.5 m) horizontally in all directions from any tight-fill connection and extending 10 ft (3 m) horizontally in all directions from any loose-fill connection
Vent	1	1	Within 5 ft (1.5 m) of open end of vent, extending in all directions
	2	2	Between 5 ft and 10 ft (1.5 m and 3 m) from open end of vent, extending in all directions
Vapor Processing System			
Pits	1	1	Entire space within any pit or box below grade level, any part of which: (1) is within a Division 1 or Division 2 classified location; (2) is within a Zone 1 or Zone 2 classified location; (3) houses any equipment used to transfer or process vapors
Equipment in protective enclosures	2	2	Entire space within enclosure
Equipment <u>not</u> within protective enclosure	2	2	Within 18 in. (450 mm) of equipment containing flammable vapors or liquid, extending horizontally in all directions and down to grade level
	2	2	Up to 18 in. (450 mm) above grade level within 10 ft (3 m) horizontally of the vapor processing equipment
- Equipment enclosure	1	1	Entire space within enclosure, if flammable vapor or liquid is present under normal operating conditions
	2	2	Entire space within enclosure, if flammable vapor or liquid is <u>not</u> present under normal operating conditions
- Vacuum assist blower	2	2	Within 18 in. (450 mm) of blower, extending horizontally in all directions and down to grade level
	2	2	Up to 18 in. (450 mm) above grade level, extending 10 ft (3 m) horizontally in all directions
Vault	1	1	Entire interior space, if Class I liquids are stored within

¹For marine application, *grade level* means the surface of a pier, extending down to water level.

²Refer to Figure 8.3.1 for an illustration of classified areas around dispensing devices.

³Area classification inside the dispenser enclosure is covered in UL 87, *Standard for Power-Operated Dispensing Devices for Petroleum Products*.

⁴Ceiling-mounted hose reel.

⁵The terms “repair garage, major” and “repair garage, minor” are intended to correlate with Article 511.3 of NFPA 70®, *National Electrical Code*®. For the purposes of application of this table, these terms do not include associated floor space used for offices, parking, or showrooms

⁶Includes draining of Class I liquids from vehicle

⁷Includes fuels such as hydrogen and natural gas, but not LPG

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(Note: For further information on NFPA Codes and Standards, please see www.nfpa.org/codelist)