

1301:7-7-23 Motor fuel-dispensing facilities and repair garages.

Chapter 23 of the International Fire Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

1. Modify section **2301.1 Scope** as follows:

After “fleet vehicle motor fuel-dispensing facilities,” insert “*service stations at bulk plants*,”.

After “in accordance with this chapter,” insert “*NFPA 30, NFPA 30A*,”.

Delete “International Building Code” and insert “*building code*”.

Delete “International Mechanical Code” and insert “*mechanical code*”.

2. Add section **2301.1.1** as follows:

“**2301.1.1.** *Notwithstanding Sections 102.1 and 102.2 and unless otherwise noted in this chapter, the provisions of this chapter shall not apply to facilities, equipment, structures or installations existing or approved for construction or installation prior to the effective date of this chapter, except in those cases where the fire code official demonstrates by a preponderance of the evidence that the existing facility, equipment, structure or installation creates a distinct hazard to life or adjacent property.*”

3. Modify section **2301.2 Permits** as follows:

Delete “Section 105.5” and insert “*Chapter 1. In accordance with Section 105.1.1, permits required for the installation, alteration, abandonment, removal or to place temporarily out of service a stationary flammable or combustible liquid storage tank shall be obtained from the fire marshal when such permits are required by this code and are not issued by another officer listed in Section 3737.14 of the Revised Code.*”

Exception: *A stationary flammable or combustible liquid storage tank with a capacity of 1,100 gallons or less utilized for agricultural purposes*”.

4. Modify section **2301.3 Construction documents** as follows:

Delete “automotive, marine or fleet vehicle”.

After “motor fuel-dispensing facilities” insert “*, service stations at bulk plants*”.

5. Modify section **2301.4 Indoor motor fuel-dispensing facilities** as follows:

Delete “International Building Code” and insert “*building code*”.

6. Modify section **2301.6 Heat-producing appliances** as follows:

Delete “International Mechanical Code” and insert “*mechanical code*”.

7. Modify section **2302.1 Definitions** as follows:

After “Marine motor fuel-dispensing facility” insert “***Motor fuel-dispensing facility***”.

8. Add section **2302.2** as follows:
“**2302.2 “Approved” as used in Chapter 23.** As used in this chapter and notwithstanding the definition as set forth in Chapter 2, the term “approved”, unless otherwise further specified or defined in this chapter, means: listed, labeled or tested for the specified purpose and documented in research reports from an authoritative source listed in Section 118.2, or otherwise acceptable to the fire code official.”
9. Modify section **2303.1 Location of dispensing devices, subparagraph 2, Exception** as follows:
Delete “International Building Code” and insert “*building code*”.
10. Modify section **2303.2 Emergency disconnect switches** as follows:
Before “within 100 feet (30 480 mm)” insert “*outside and*”.

At the beginning of the next to last sentence, delete “Such devices” and insert “*Emergency disconnect switches*”.
11. Modify section **2304.2 Attended self-service motor fuel-dispensing facilities** as follows:
Delete “2304.2.5” and insert “2304.2.11, NFPA 30A as listed in division (A) of Section 3741.14 of the Revised Code, and the Occupational Safety and Health Act of 1970 and any amendments thereto or standards as may be adopted by the state fire marshal pursuant to division (B) of Section 3741.14 of the Revised Code”.
12. Modify section **2304.2.1 Special-type dispensers** as follows:
At the beginning of the first sentence, delete “Approved special” and insert “*Special*”.

In the first sentence, after “remote-preset types, are allowed at” insert “*attended self-service*”.
13. Modify section **2304.2.2 Emergency Controls** as follows:
Delete “Approved emergency” and insert “*Emergency*”.
14. Modify section **2304.2.3 Operating instructions** as follows:
At the beginning of the section, delete “Dispenser” and insert “*Signs providing dispenser*”.
15. Modify section **2304.2.5 Communications** as follows:
At the beginning of the second sentence, delete “An” and insert “*A telephone or other*”.
16. Add sections **2304.2.6 through 2304.2.11** as follows:
“**2304.2.6 Smoking prohibited.** Gasoline and other flammable or combustible liquids shall be dispensed only by a person who is not smoking or vaping. Smoking and vaping shall be prohibited in the dispensing area.

2304.2.7 Signage. A sign in block letters at least four inches in height shall be conspicuously displayed on each gasoline pump island where self-service is offered stating that it is a self-service island.

2304.2.8 Signage material. All signs required by Sections 2304.2.3, 2304.2.7 and 2304.3.5 shall be constructed of rigid, weather-resistant material.

2304.2.9 Attendant training. It shall be the responsibility of the operator of the motor fuel dispensing facility to see that all attendant employees are properly trained in handling emergencies of a flammable fuel type.

2304.2.10 Codes and standards. It shall be the responsibility of the operator of the motor fuel dispensing facility to see that all attendant employees read and are familiar with applicable codes and standards.

2304.2.11 Dispensing devices. Existing listed or labeled dispensing devices shall be permitted to be modified provided that the modifications made are “Listed by Report” by an approved testing laboratory or as otherwise approved by the fire code official. Modification proposals shall contain a description of the component parts used in the modification and the recommended methods of installation on specific dispensing devices. Modification proposals shall be made available to the fire code official upon request.”

17. Modify section **2304.3 Unattended self-service motor fuel-dispensing facilities** as follows:

Delete “2304.3.7” and insert “2304.3.13, NFPA 30A as listed in division (A) of Section 3741.14 of the Revised Code and the Occupational Safety and Health Act of 1970 and any amendments thereto or standards as may be adopted by the state fire marshal pursuant to division (B) of Section 3741.14 of the Revised Code. This section shall not apply to an unattended fleet vehicle motor fuel dispensing facility”.

18. Modify section **2304.3.2 Dispensers** as follows:

After the first sentence after “Section 2306.7.” insert “Only card operated dispensing devices approved by authoritative sources listed in Chapter shall be used.”.

After the last sentence, insert “Approved key- or card-operated dispensing devices may be activated by the customer with the use of an authorized key or card.”.

19. Modify section **2304.3.3 Emergency controls** as follows:

Delete “Approved emergency” and insert “Emergency”.

20. Modify section **2304.3.7 Quantity limits** as follows:

In subparagraph 2, before “quantity” delete “in” and insert “to an approved”.

At the end of subparagraph 2, delete “as approved” .

Add the following as an exception to Section 2304.3.7:

“Exception: This section shall not apply to fixed dispensing equipment at an unsupervised location at an airport that is used to dispense fuel directly into the fuel tank of an aircraft.”

21. Add sections **2304.3.8 through 2304.3.13** as follows:

“2304.3.8 Spill containment. Containment of small spills shall be controlled by grading the pavement away from the building and scoring the pavement or may be done by the use of an oil/water separator.

2304.3.9 Dispensing devices. Existing listed or labeled dispensing devices shall be permitted to be modified provided that the modifications made are “Listed by Report” by an approved testing laboratory or as otherwise approved by the fire code official. Modification proposals shall contain a description of the component parts used in the modification and the recommended methods of installation on specific dispensing devices. Modification proposals shall be made available to the fire code official upon request.

2304.3.10 Smoking prohibited. Gasoline and other flammable or combustible liquids shall be dispensed only by a person who is not smoking. Smoking shall be prohibited in the dispensing area.

2304.3.11 Required fire protection. In addition to fire protection equipment otherwise required by this code, an unattended motor fuel-dispensing facility shall also include automatic fixed suppression systems, and automatic fire detection, and transmission of an alarm to an off-site approved supervising station in accordance with Section 903.4.1.

Exceptions:

1. That portion of an unattended motor fuel-dispensing facility that is exclusively used to dispense fuel directly from fixed dispensing equipment into the fuel tank of aircraft shall not be required to have an automatic fixed suppression or automatic fire detection system.
2. That portion of an unattended motor fuel-dispensing facility that is exclusively used to dispense fuel directly from fixed dispensing equipment into the fuel tank of aircraft shall not be required to have transmission of an alarm to an off-site approved supervising station provided that the facility installs a telephone line or call box that complies with all of the following:
 - 2.1 An operational and fully functioning telephone or call box shall be not less than 20 feet but not more than 100 feet from each dispensing location;
 - 2.2 Each telephone or call box shall either provide a direct line to an off-site approved supervising station or to an approved emergency response authority;

2.3 Each telephone or call box shall be properly and conspicuously identified;

2.4 Each telephone or call box shall not require a coin or other form of payment to operate; and

2.5 The telephone or call box shall be installed at a location that complies with the above and that is approved by the fire code official.

2304.3.11.1 Compressed natural gas facilities. The requirement for an automatic fixed suppression system shall not apply to that portion of an unattended, open to the public motor fuel-dispensing facility where CNG is dispensed if all of the following apply:

1. The fueling areas where CNG is dispensed is equipped with a fire detection device(s) that is directly tied to the emergency shut down system; and
2. Upon activation of the emergency shut down system, operation of all CNG dispensers will automatically shut down and all CNG will automatically be isolated away from the dispensing area; and
3. Upon activation of the emergency shut down system, a notification system will automatically trigger notification to the fire department; and
4. No liquid fuels are being dispensed under the same canopy where CNG is being dispensed.

2304.3.12 Signage. Signs shall be provided in accordance with Sections 2304.2.3, 2304.2.7 and 2304.3.5.

2304.3.13 Signage material. All signs required by Section 2304.3.12 shall be constructed of rigid, weather-resistant material.

22. **Modify section 2304.4 Dispensing into portable containers as follows:**
Delete “approved”.

23. **Modify section 2304.4.1 Approved containers required as follows:**
After “unless such container” insert “is properly constructed of metal or other material approved by the fire code official.”.

Delete “, is listed or of approved material and construction.”.

24. **Modify section 2304.4.2 Nozzle operation as follows:**
Delete “and be manually held open during the dispensing operation”.

At the end of the section, insert “No person shall utilize the automatic latch-open device during the dispensing operations.”.

25. Modify section **2305.1.2 Tank capacity calculation** as follows:

Delete “by an approved gauging device” and insert “in accordance with accepted industry practices”.

26. Modify section **2305.2.1 Inspection** as follows:

At the end of the last sentence, after “maintained” insert “in accordance with Section 109.3”.

27. Modify section **2305.5 Fire extinguishers** as follows:

Delete “Approved portable” and insert “Portable”.

28. Modify section **2305.6 Warning signs and its subparagraphs** as follows:

At the beginning of the first sentence, delete “Warning” and insert “As required by Section 3741.14 of the Revised Code and this code, warning”.

Delete “within sight of each dispenser in the fuel-dispensing area” and insert “on each gasoline pump island where self-service is offered”.

After “state the following” insert “, with at a minimum the capitalized words below being in block letters”.

In Subparagraph 1, capitalize all text and after “SMOKING” insert “OR VAPING”.

In Subparagraph 2 delete “Shut off motor” and insert in capitalized text “STOP ENGINE”.

In Subparagraph 6 at the beginning of the sentence insert “WARNING -”; capitalize all text in the subparagraph.

Add subparagraph 8 in capitalized text as follows:

“8. PERSONS USING DISPENSERS WITH HOLD-OPEN LATCHES MUST REMAIN AT THE REFUELING POINT DURING REFUELING.”

Add an exception to Section 2305.6 as follows:

Exception: Signs installed at dispensers prior to February 1, 2026, containing language that is substantially similar to items 1 through 8 of this section shall be deemed as compliant with this section.”

29. Modify section **2306.2 Method of storage** as follows:

Delete “Approved methods of storage for” and insert “Storage of”.

Delete “liquid fuels” and insert “flammable or combustible liquids”.

After “at motor fuel-dispensing facilities” insert “to which the public does not have access”.

Delete “in accordance with Sections 2306.2.1 through 2306.2.6” and insert “stored in aboveground tanks in accordance with Sections 2306.2.2 through 2306.2.6 or stored in underground tanks in accordance with either Chapter 1301:7-9 of the Administrative Code as required or, when not so required, stored in accordance with Section 2306.2.1.

At motor fuel-dispensing facilities to which the public has access the only approved method of storage shall be in underground tanks in accordance with Chapter 1301:7-9 of the Administrative Code.

Exception: Where approved by the fire code official, the approved method of storage of Class I, II and IIIA flammable or combustible liquids at marine motor fuel-dispensing facilities to which the public has access shall not be required to have an underground tank as long as the approved aboveground tank is in accordance with Sections 2306.2.2 through 2306.2.6, and in accordance with Section 2310.1.”

30. Modify section 2306.2.3 Above-ground tanks located outdoors, above grade and its subparagraphs as follows:

Delete “by this section”.

After the end of the first paragraph after “provided.” (which will be the end of the sentence subsequent to the deletion above) insert “Existing aboveground tank installations, even if previously approved, that are determined to constitute a hazard by the fire code official shall not be continued in service. Unsafe tanks shall be removed as required by the fire code official and in accordance with this code.”.

Add an exception to subparagraph 1 as follows: “**Exception:** An aboveground tank approved by an authoritative source listed in Chapter 1 as a fire-resistant tank may be utilized in lieu of a protected tank when installed in accordance with Table 2306.2.3.”.

In subparagraph 4, delete “farms,” and insert “areas used for agricultural purposes and”.

In subparagraph 4, delete “or rural areas”.

31. Modify Table 2306.2.3 Minimum separation requirements for above-ground tanks as follows:

In the first column (Tank type) and second row of the table after “Protected above-ground tanks” insert “d”.

Add footnote d as follows:

“d. A fire-resistant tank may be utilized in lieu of a protected tank when approved by the fire code official and installed in accordance with the distance requirements of NFPA 30A.”.

32. Modify section **2306.2.6 Special Enclosures** as follows:

In the first sentence after “tanks for liquid” delete “motor”.

33. Modify section **2306.3 Security** as follows:

Delete “in an approved manner”.

After the last sentence, insert “Tanks shall be enclosed with a chain link fence at least 6 feet (1.8 m) high. The fence shall be separated from the tanks by at least 3 feet (0.9 m) and shall have a gate that is secured against unauthorized entry.”

Exceptions:

1. Fueling facilities that are located on a property that has a perimeter security fence.

2. Tanks that are enclosed in vaults.”.

34. Add section **2306.7.4.1** as follows:

2306.7.4.1 As of the effective date of this chapter, for tank systems regulated under 1301:7-9 of the Ohio Administrative Code, manifolding of existing product piping under a dispenser and above the shear valve, impact valve or fire valve, is prohibited. This does not apply to dispenser blending devices above the shear valve, impact valve or fire valve.

35. Modify section **2306.7.5 Dispenser hose** as follows:

In the second sentence delete “listed and”.

36. Modify section **2306.7.6.1 Special requirements for nozzles** as follows:

In the first sentence delete “all” and insert “one”.

37. Modify section **2306.7.7.1 Leak detection** as follows:

After “a leak in the piping” delete “and dispensers”.

After “provide an indication” insert “to alert the operator of the presence of a leak”.

38. Modify section **2306.7.9.1 Vapor-balance systems** as follows:

In the title of the section, delete “balance” and insert “recovery”.

At the beginning of the sentence, delete “Vapor-balance” and insert “Vapor-recovery systems are systems designed to capture and retain, without processing, vapors displaced during transfer or filling operations. Vapor-recovery”.

39. Modify section **2306.7.9.1.1 Dispensing devices** as follows:
After “nationally recognized testing laboratory” insert “*or by an authoritative source listed in Chapter I*”.

Delete the last sentence beginning “Means” and ending “blocked.”
40. Modify section **2306.7.9.1.2 Vapor-return line closeoff** as follows:
Delete “An acceptable method” and insert “*A means*”.

Delete “close off the vapor return line” and insert “*prevent the discharge of vapor*”.
41. Modify section **2306.7.9.1.3 Piping** as follows:
Delete “vapor-balance” and insert “*vapor-recovery*”.

In the first sentence, delete “Sections” and insert “*Section*”.

In the first sentence, delete “, 5704.2.9 and 5704.2.11”.

In the second sentence after “manufacturer’s” insert “*installation*”.

At the beginning of the second paragraph, delete “Existing and new vent” and insert “*Vent*”.
42. Modify section **2306.7.9.2 Vapor-processing systems** as follows:
Before the first sentence insert “*Vapor processing systems are designed to capture and process vapors displaced during transfer or filling operations by use of mechanical or chemical means.*”.
43. Modify section **2306.7.9.2.2 Location** as follows:
Delete “50 feet (15 240 mm)” and insert “*20 feet (6096 mm)*”.
44. Modify section **2306.7.9.2.4 Piping** as follows:
Delete “in a mechanical-assist system” and insert “*for vapor-processing systems*”.
45. Modify section **2306.8.1 Listed equipment** as follows:
At the end of the section after “listed for the specific purpose” insert “*and approved as that term is defined in this chapter*”.
46. Modify section **2306.8.2 Compatibility** as follows:
At the end of the paragraph after “the marking on the unit.” insert “*Existing dispensers may be modified to meet compatibility requirements in accordance with Section 2304.3.9*”.
47. Modify section **2306.8.3 Change of system contents** as follows:
Delete the title and text of the paragraph in their entirety and insert “*Deleted.*”

48. Modify section **2306.8.4 Facility identification** as follows:
After “identified by” insert “*marking the fill pipes in accordance with API 1637 or*”.
49. Modify section **2306.8.5 Marking** as follows:
Delete “Dispensers” and insert “*As approved by the state fire marshal dispensers*”.

Delete “in an approved manner”.
50. Modify section **2307.4 Location of dispensing operations and equipment, Exception** as follows:
Delete “International Building Code” and insert “*building code*”.
51. Modify section **2308.3 Location of dispensing operations and equipment, Exception 1** as follows:
Delete “International Building Code” and insert “*building code*”.
52. Modify section **2308.3.1 Location on property, Exception to subparagraph 2** as follows:
Delete “International Building Code” and insert “*building code*”.
53. Modify section **2308.8.1.2.6 Signage** as follows:
In the first sentence, delete “Approved”.

In the second sentence, delete “Approved” and insert “*Signs that read*”.

After “Bonded” delete “signs”.
54. Modify section **2309.3.1.2 Indoors** as follows:
Delete “International Building Code” and insert “*building code*”.

Delete “International Mechanical Code” and insert “*mechanical code*”.
55. Modify section **2309.3.1.5.1 Construction** as follows:
Delete “International Building Code” and insert “*building code*”.
56. Modify section **2309.3.2 Canopies** as follows:
Delete “International Building Code” and insert “*building code*”.
57. Modify section **2310.1 General** as follows:
Delete “International Building Code” and insert “*building code*”.

At the end of the paragraph after “Chapter 57.” insert “*Where underground storage of flammable or combustible liquids is impractical due to geological conditions of the site, shore tanks supplying marine service stations may be located aboveground in special enclosures, vaults or protected aboveground tanks which provide physical protection and fire-resistive protection as a unit, when approved by the fire code official. The request to*

install such aboveground tanks shall be accompanied by a site survey which supports the request. The survey shall be prepared by a registered professional engineer of the appropriate discipline.”.

58. Modify section **2310.3.5 Liquefied petroleum gas** as follows:
At the beginning of the second sentence delete “Approved storage” and insert “Storage”.

Delete “. See also” and insert “in accordance with”.
59. Modify section **2311.1 General** as follows:
Delete “International Building Code” and insert “building code”.
60. Modify section **2311.2.1 Cleaning of parts** as follows:
Delete “listed and”.
61. Modify section **2311.2.2 Waste oil, motor oil and other Class IIIB liquids** as follows:
After “stored in” delete “approved”.

After “tanks or containers” insert “approved in accordance with Chapter 57”.
62. Modify section **2311.2.3 Drainage and disposal of liquids and oil-soaked waste** as follows:
In the first sentence after “drain to” delete “approved”.

Delete “International Plumbing Code” and insert “plumbing code”.
63. Modify section **2311.2.3.1 Disposal of liquids** as follows:
After “be stored in” delete “approved”.
64. Modify section **2311.3.1 Equipment** as follows:
Delete “International Building Code” and insert “building code”.

Delete “International Mechanical Code” and insert “mechanical code”.
65. Modify section **2311.4.1 Construction** as follows:
Delete “International Building Code” and insert “building code”.
66. Modify section **2311.4.3 Ventilation** as follows:
Delete “International Mechanical Code” and insert “mechanical code”.
67. Modify section **2311.8.2 Repair garages used for the repair of hydrogen-fueled vehicles** as follows:
Delete “International Mechanical Code” and insert “mechanical code”.
68. Modify section **2311.8.3 Motor vehicle repair rooms** as follows:
Delete “International Building Code” and insert “building code” at all occurrences (2).

69. Modify section **2311.8.8 Exhaust ventilation system** as follows:
At the end of the first sentence before “mechanical ventilation system” delete “an approved” and insert “a”.

Delete “International Mechanical Code” and insert “mechanical code”.
70. Modify section **2311.8.9.2 Failure of the gas detection system** as follows:
At the end of the last sentence delete “approved location” and insert “occupied area or other location approved by the fire code official”.
71. Modify section **2311.8.10 Classified electrical area, Exception 2** as follows:
Delete “International Mechanical Code” and insert “mechanical code”.
72. Add section **2312** as follows:
“Section 2312 Service station at a bulk plant or terminal

2312.1 General. That portion of a bulk plant property where flammable or combustible liquids are stored and dispensed from fixed equipment into the fuel tanks of motor vehicles, marine craft or approved containers shall comply with this section and NFPA 30A.

Exception: The dispensing of diesel fuel at a terminal or bulk plant into a motor vehicle that is transporting petroleum products or equipment essential to the operation of the terminal or bulk plant, provided that the motor vehicle is owned or leased by or operated under a contract with a person who has been issued a motor fuel dealers license under Section 5735.02 of the Revised Code. For such dispensing, the provisions of this chapter governing capacity limitations shall not apply.

2312.2 Separation. All equipment utilized in connection with the storage and dispensing operations of a motor fuel-dispensing facility shall be separated by a minimum of 100 feet from the area in which aboveground bulk plant operations are conducted and by a security fence. Any gates in the required fence shall be secured against unauthorized entry.

2312.3 Independent operations. Motor fuel-dispensing facility operations shall be totally independent of the bulk plant operations to include:

 1. Above-ground tanks located in the bulk plant shall not supply dispensing devices at the motor fuel-dispensing facility.
 2. Storage tanks at the motor fuel-dispensing facility shall not be connected by piping to aboveground tanks located in the bulk plant.”