



CEDAR RAPIDS FIRE DEPARTMENT Fire Marshal's Office



APPLICATION INSTRUCTIONS FOR A PERMIT REGULATED BY THE CEDAR RAPIDS FIRE CODE

Applications for permits shall be submitted to the Cedar Rapids Fire Marshal's Office via E-mail at mollyk@cedar-rapids.org or v.mckinnon@cedar-rapids.org or US Mail at 713 1st Ave SE, Cedar Rapids IA 52401.

A permit applicant may be required to submit the following information for a complete permit application: a completed permit application, a site diagram, installation plans, MSDS sheets (if applicable), equipment data sheets, and permit application fee. If it is deemed necessary, further information may be required by the Cedar Rapids Fire Marshal's Office before a permit application is accepted for review.

The Cedar Rapids Fire Marshal's Office may take up to 14 days to review the application for compliance with the Cedar Rapids Fire Code (CRFC). Once it is determined that the application meets these requirements, a permit will be issued for installation per approved plans. Any changes to the approved plans shall be submitted in writing via a drawing and approved by the Cedar Rapids Fire Marshal's Office PRIOR to implementing the change.

If the permit is an installation process, then various inspections may be needed to ensure compliance with CRFC and permit application requirements. You must schedule these inspections with the Fire Marshal's Office a minimum of 48 hours in advance. Final approval from CRFD Fire Marshal's Office is required prior to use. If an operation is found to be in use without approval from the Cedar Rapids Fire Marshal's Office, a citation may be issued.

If you need any further information or assistance, or have any questions, please call the Cedar Rapids Fire Marshal's Office at (319) 286-5166.

INSTRUCTIONS:

- 1. Complete Page 2 for all permits, temporary or permanent.**
 - Permit Guide Sheets, with Fire Code sections referenced, are available for many of the permit categories. Check our website, or request guides from the Fire Marshal's Office at 319-286-5166.**
- 2. Enclose a check payable to the Cedar Rapids City Treasurer with your application.**
- 3. Include a site diagram, and if applicable, installation plan, MSDS sheets, equipment specification sheets, and other required supporting documents.**
- 4. Be sure to call for a final approval at the completion of the project.**

**CEDAR RAPIDS FIRE DEPARTMENT
Fire Marshal's Office**

**APPLICATION FOR A PERMIT REGULATED BY THE
CEDAR RAPIDS FIRE CODE**

INSTRUCTIONS:

Complete this page of the application and submit to the Cedar Rapids Fire Marshal's Office. "Permit Guides" include some Code information specific to many permit operations and are found on the Fire Marshal's Office Fire Code Permits page of our website at www.cedar-rapids.org/fire.

NOTE: The "Permit Guides" do not include all codes that apply to your individual project. Refer to the appropriate Chapter of the 2006 IFC (International Fire Code) and any local amendments for additional code requirements.

Permit Site Business Name _____

Permit Site Address _____

Permanent (installation) Temporary (installation)

Permit Conditions

A permit shall be obtained from the Cedar Rapids Fire Marshal's Office prior to installing any operation or system requiring a Permit (see the International Fire Code 2006 Section 105).

Application for Permit

- The permit applicant shall provide a legible site diagram listing the site business name, address, including system locations. Where applicable, please provide any information sheets regarding listing, approvals, electrical, mechanical, and any applicable other supporting documentation required for a Permit.
- The required fee must be included when the application is submitted.

Proposed project: _____

Fee per \$ _____ **Total Fee** _____ **Date** _____

The undersigned representative agrees to adhere to the Cedar Rapids Fire Code and all applicable Federal, State, and other local regulations

Contractor Company _____ **Address** _____

Contact Name & Signature _____ **Phone** _____

Party Responsible for Billing (if other than above)
Name _____ **Address** _____

FOR OFFICE USE ONLY!

Date received: _____ Fire Inspector Issuing Permit _____

Final Approval Inspector's Name _____ Date _____

CEDAR RAPIDS FIRE DEPARTMENT FIRE MARSHAL'S OFFICE Aboveground Storage Tank MVFD Permit Guide

The following Guide is provided to assist you with Fire Code requirements. **All code numbers reference the International Fire Code 2012 unless otherwise indicated. This application shows only a portion of the current Fire Code. All Federal, State, and local laws shall be complied with.**

Applicant Use	Office Use Only	GENERAL REQUIREMENTS
_____	1.	<p>Permit Conditions A permit shall be obtained from the Cedar Rapids Fire Marshal's Office prior to any work being conducted at the site. The permit is valid for 180 days at a cost of \$130.00 per tank. Permits may be extended by written request. Section 105</p>
_____	2.	<p>Application for Permit The permit applicant shall provide a legible site diagram listing the site business name, address, tank(s), dispensers, and piping locations, distances from tank(s) to nearby streets, buildings, and property lines. IFC 105.4 and IFC 2301.3</p> <p>The permit applicant shall provide product information sheets regarding the listing and approvals of all major components of fuel dispensing system being installed, i.e., tanks, piping, dispensers, etc. IFC 105.2 & 105.4</p> <p>For a <u>private fueling</u> station – Notify Linn County Health for an air emission Permit at 892-6000.</p> <p>Tanks with a capacity >1100 gallons - contact the State Fire Marshal's Office @ 515-281-8879. http://www.dps.state.ia.us/fm/flammable/retail_fleet_fueling.pdf</p>
_____	3.	<p>Compliance with Code The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. Permits presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the code official from requiring the correction of errors in the construction documents and other data. Any addition to or alteration of approved construction documents shall be approved in advance by the code official, as evidenced by the issuance of a new or amended permit.</p> <p>Permit applicants and the applicants' agents and employees shall carry out the proposed activity in compliance with this code and other laws or regulations applicable thereto, whether specified or not, and in complete accordance with approved plans and specifications. Permits which purport to sanction a violation of this code or any applicable law or regulation shall be void and approvals of plans and specifications in the issuance of such permits shall likewise be void. IFC 105.3.6</p>
_____	4.	<p>Security Above-ground tanks for the storage of liquid fuels shall be safeguarded from public access or unauthorized entry in an approved manner. IFC 2206.3 Tanks shall be enclosed with a chain link fence at least 6 foot high. The fence shall be separated from the tanks by at least 10 feet and shall have a gate that is secured against unauthorized entry. 2012 NFPA 30A Exception: Not required if property on which the tanks are located has a perimeter security fence.</p>

CEDAR RAPIDS FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
Aboveground Storage Tank MVFD Permit Guide

5. **Clearance from Combustible Materials**
Weeds, grass, brush, trash and other combustible materials shall be kept not less than 10 feet from fuel storage vessels and fuel- handling equipment. IFC 2305.7
6. **Stations Located in Bulk Plants**
Motor vehicle fuel-dispensing stations located at bulk plants shall be separated by a fence or similar barrier from the area in which bulk operations are conducted. IFC 2306.3 and 2012 NFPA 30A
Storage tanks used for fueling operations shall not be connected by piping to aboveground tanks located in the bulk plant. 2012 NFPA 30A
7. **Maintenance**
Fueling systems shall be maintained in proper operating condition. IFC 2305.2
8. **Electrical Equipment and Wiring**
Electrical wiring and equipment shall be installed in a manner, which provides reasonable safety to persons and property. Evidence that wiring and equipment are of the type approved for use in the hazardous locations as set forth in 2012 NFPA 30A Table 8.3.1 and that wiring and equipment have been installed in accordance with the Electrical Code shall be provided. IFC 2301.5
9. **Classified Area**
In NFPA 30A Figure 8.3.1, a classified area need not extend beyond an unpierced wall, roof or other solid partition. NFPA 30A 8.3.2
The classified area given in table 8.3.1 shall be based on the premise that the installation meets the applicable requirements of this code in all respects. Should this not be the case, the AHJ shall be permitted to determine the extent of the classified area. NFPA 30A & IFC 2301.5
10. **Spill Control**
Provisions shall be made to prevent liquids spilled during dispensing operations from flowing into buildings. Acceptable methods include grading drives, raising doorsills, or other approved means. IFC 2305.3
11. **Fire Protection**
A fire extinguisher with a minimum rating of 3A40BC shall be provided and located such that it is not more than 75 feet from any pump, dispenser or fill-pipe opening. IFC 2305.5
12. **Aboveground Storage Tanks**
General
The design, fabrication, and construction of tanks shall comply with NFPA 30. Each tank shall bear a permanent nameplate or marking indicating the standard used as the basis of design. IFC 5704.2.7
Above-ground tanks used for outside, above-grade storage of class I, II, IIIA and liquids shall be listed and labeled as UL 2085 protected above-ground tanks. IFC 2306.2.3
13. **Tank Openings**
Tank openings in protected aboveground tanks shall be through the top only. IFC 2306.6.2.1
14. **Anti-siphon Devices**
Approved anti-siphon devices shall be installed in each external pipe connected to the tank

**CEDAR RAPIDS FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
Aboveground Storage Tank MVFD Permit Guide**

when the pipe extends below the level of the top of the tank. IFC 2306.6.2.4

15. **Secondary containment**
Above-ground tanks shall be provided with drainage control or diking in accordance with Chapter 57. Drainage control and diking is not required for Listed secondary containment tanks. Secondary containment Systems shall be monitored either visually or automatically. Enclosed secondary containment systems shall be provided with emergency venting in accordance with IFC 2306.6.2.5 and IFC 2306.5.
16. **Separation Distances**
A protected aboveground tank shall be separated from property lines, important buildings, public ways and other tanks in accordance with IFC Table 2306.2.3.
- Tank Spacing**
Spacing between adjacent tanks shall be in accordance with NFPA 30, but not less than 3 feet.
17. **Aggregate capacity**
Protected aboveground tank installations having the maximum allowable aggregate capacity shall be separated from other installations of protected aboveground tanks by not less than 100 feet. IFC 2306.2.3(3)
18. **Vehicle impact protection**
Where protected above-ground tanks, piping, electrical conduit or dispensers are subject to vehicular impact, they shall be protected therefrom, either by having the impact protection incorporated into the system design in compliance with the impact test protocol of UL 2085, or by meeting the provisions of Section 312, or where necessary, a combination of both. Where guard posts or other approved barriers are provided, they shall be independent of each above-ground tank. IFC 5704.2.9.7.5
19. **Overfill Protection.** Protected aboveground tanks shall not be filled in excess of 95 percent of their capacity. An overfill prevention system shall be provided for each tank. During tank-filling operations, the system shall:
1. Provide an independent means of notifying the person filling the tank that the fluid level has reached 90 percent of tank capacity by providing an audible or visual alarm signal, providing a tank level gauge marked at 90 percent of tank capacity, or other approved means.
 2. Automatically shut off the flow of fuel to the tank when the quantity of liquid in the tank reaches 95 percent of tank capacity. For rigid hose fuel-delivery systems, an approved means shall be provided to empty the fill hose into the tank after the automatic shutoff device is activated.
 3. Reduce the flow rate to not more than 15 gallons per minute (0.95 L/sec) so that at the reduced flow rate, the tank will not overfill for 30 minutes, and automatically shut off flow into the tank so that none of the fittings on the top of the tank are exposed to product because of overfilling.

A permanent sign shall be provided at the fill point for the tank, documenting the filling procedure and the tank calibration chart.

Exception: Where climatic conditions are such that the sign may be obscured by ice or snow, or weathered beyond readability or otherwise impaired, said procedures and

CEDAR RAPIDS FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
Aboveground Storage Tank MVFD Permit Guide

chart shall be located in the office window, lock box or other area accessible to the person filling the tank.

The filling procedure shall require the person filling the tank to determine the gallonage (litrage) required to fill it to 90 percent of capacity before commencing the fill operation. IFC 5704.2.9.7.6

- _____ 20. _____ **Delivery vehicle location.**
Where liquid delivery to above-ground storage tanks is accomplished by positive pressure operation, tank vehicles shall be positioned a minimum of 25 feet from tanks receiving Class I liquids and 15 feet from tanks receiving Class II and IIIA liquids. IFC 2305.1.1
- _____ 21. _____ **Tank capacity calculation.**
The driver, operator or attendant of a tank vehicle shall, before making delivery to a tank, determine the unfilled, available capacity of such tank by an approved gauging device. IFC 2305.1.2
- _____ 22. _____ **Leak detection.** Where remote pumps are used to supply fuel dispensers, each pump shall have installed on the discharge side a listed leak detection device that will detect a leak in the piping and dispensers and provide an indication at an approved location. A leak detection device is not required if the piping from the pump discharge to under the dispenser is above ground and visible. IFC 2306.7.7.1
- _____ 23. _____ **Tank-fill connections.** Delivery of flammable liquids to tanks more than 1,000 gallons (3785 L) in capacity shall be made by means of approved liquid- and vapor-tight connections between the delivery hose and tank fill pipe. Where tanks are equipped with any type of vapor recovery system, all connections required to be made for the safe and proper functioning of the particular vapor recovery process shall be made. Such connections shall be made liquid and vapor tight and remain connected throughout the unloading process. Vapors shall not be discharged at grade level during delivery. IFC 2305.1.3
- _____ 24. _____ **Spill containers.** A spill container having a capacity of not less than 5 gallons (19 L) shall be provided for each fill connection. For tanks with a top fill connection, spill containers shall be noncombustible and shall be fixed to the tank and equipped with a manual drain valve that drains into the primary tank. For tanks with a remote fill connection, a portable spill container is allowed. IFC 2306.6.2.6
- _____ 25. _____ **Warning signs**
Warning signs shall be conspicuously posted within sight of each dispenser in the fuel-dispensing area and shall state the following (IFC 2305.6):
1. No smoking.
 2. Shut off motor.
 3. Discharge your static electricity before fueling by touching a metal surface away from the nozzle.
 4. To prevent static charge, do not reenter your vehicle while gasoline is pumping.
 5. If a fire starts, do not remove nozzle – back away immediately.

**CEDAR RAPIDS FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
Aboveground Storage Tank MVFD Permit Guide**

- 6. It is unlawful and dangerous to dispense gasoline into unapproved containers.
- 7. No filling of portable containers in or on a motor vehicle. Place container on ground before filling.

Vents

- 26. **Vent pipe outlets**
Vent pipe outlets for tanks shall be located such that the vapors are released at a safe point outside of buildings and not less than 12 feet above the adjacent ground level. Vapors shall be discharged upward or horizontally away from closely adjacent walls to assist in vapor dispersion. Vent outlets shall be located such that flammable vapors will not be trapped by eaves or other obstructions and shall be at least 5 feet from building openings or property lines of properties that can be built on. IFC 5704.2.7.3.3
- 27. **Tank venting for tanks and pressure vessels storing Class IB (gasoline) and IC liquids.**
Tanks and pressure vessels storing Class IB or IC liquids shall be equipped with venting devices that shall be normally closed except when venting under pressure or vacuum conditions (pressure vacuum device), or with listed flame arresters. The vents shall be installed and maintained in accordance with NFPA 30. IFC 5704.2.7.3.6 or API 2000.

Each commercial tank-venting device shall have stamped on it the opening pressure, the pressure at which the valve reaches the full open position and the flow capacity at the latter pressure. If the start to open pressure is less than 2.5 psig and the pressure at full open position is greater than 2.5 psig, the flow capacity at 2.5 psig shall also be stamped on the venting device. The flow capacity shall be expressed in cubic feet per hour of air at 60 F. and 14.7 psia. NFPA 30 4.2.5.2.9
- 28. **Installation of vent piping.**
Vent piping shall be designed, sized, constructed and installed in accordance with IFC Section 5703.6. 5704.2.7.3.4

Design and fabrication of system components.
Piping system components shall be designed and fabricated in accordance with NFPA 30, Chapter 27, except as modified by this section. IFC 5703.6.2
- 29. **Vent sizing (operational vents)** Tanks and pressure vessels storing Class IB or IC liquids shall be equipped with venting devices which shall be normally closed except when venting under pressure or vacuum conditions, or with listed flame arresters. The vents shall be installed and maintained in accordance with NFPA 30. IFC 5704.2.7.3.6

Normal vents shall be sized in accordance with either API 2000, *Venting Atmospheric and Low-Pressure Storage Tanks*, or another accepted standard. Alternatively, the normal vent shall be at least as large as the largest filling or withdrawal connection but in no case shall it be less than 1.25-inch nominal inside diameter. 2012 NFPA 30 4.2.5.1.2

Emergency Vents

- 30. Above-ground storage tanks, tank compartments and enclosed secondary containment spaces shall be provided with emergency relief venting in accordance with Chapter 57. IFC 5704.2.7.4

CEDAR RAPIDS FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
Aboveground Storage Tank MVFD Permit Guide

Stationary, aboveground tanks shall be equipped with additional venting that will relieve excessive internal pressure caused by exposure to fires. Emergency vents for Class I, II and IIIA liquids shall not discharge inside buildings. The venting shall be installed and maintained in accordance with NFPA 30.

Piping

31. **Tank venting for tanks and pressure vessels storing Class IB (gasoline) and IC liquids.** Tanks and pressure vessels storing Class IB or IC liquids shall be equipped with venting devices which shall be normally closed except when venting under pressure or vacuum conditions (pressure vacuum device), or with listed flame arresters. The vents shall be installed and maintained in accordance with NFPA 30. IFC 5704.2.7.3.6
- Each commercial tank-venting device shall have stamped on it the opening pressure, the pressure at which the valve reaches the full open position and the flow capacity at the latter pressure. If the start to open pressure is less than 2.5 psig and the pressure at full open position is greater than 2.5 psig, the flow capacity at 2.5 psig shall also be stamped on the venting device. The flow capacity shall be expressed in cubic feet per hour of air at 60 F. and 14.7 psia. NFPA 30
32. **Materials and Design**
Piping system components shall be designed and fabricated in accordance with NFPA 30 and IFC 3403.6-3403.6.2
The design, fabrication, assembly, test and inspection of piping systems containing flammable or combustible liquids shall be suitable for the expected working pressures and structural stresses. Conformity with the applicable sections of ASME B31 *American National Standard Code for Pressure Piping*, and the provisions of NFPA 30, shall be considered prima facie evidence of compliance with the foregoing provisions. NFPA 30
33. **Low-melting-point materials** (such as aluminum, copper or brass), materials that soften on fire exposure (such as nonmetallic materials), and nonductile material (such as cast iron) shall be acceptable for use underground in accordance with ASME B31.9. When such materials are used outdoors in above-ground piping systems or within buildings, they shall be in accordance with ASME B31.9 and one of the following IFC 5703.6.2.1:
1. Suitably protected against fire exposure.
 2. Located where leakage from failure would not unduly expose people or structures.
 3. Located where leakage can be readily controlled by operation of accessible remotely located valves.
- In all cases, nonmetallic piping shall be in accordance with NFPA 30.**
34. **Valves**
Piping systems shall contain a sufficient number of manual control valves and check valves to operate the system properly and to protect the plant under both normal and emergency conditions. Piping systems in connection with pumps shall contain a sufficient number of such valves to properly control the flow of liquid in normal operation and in the event of physical damage or fire exposure.

**CEDAR RAPIDS FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
Aboveground Storage Tank MVFD Permit Guide**

Connections to pipelines or piping by which equipment, such as Tank cars, tank vehicles or marine vessels, discharges liquid into storage tanks shall be provided with check valves for automatic protection against backflow.

Manual drainage-control valves shall be located at approved locations remote from the tanks, diked area, drainage system and impounding basin to assure their operation in a fire condition. IFC 5703.6.6

35. **Piping supports**
Piping systems shall be substantially supported and protected against physical damage and excessive stresses arising from settlement, vibration, expansion or contraction. IFC 5703.6.8
36. **Bends**
Pipe and tubing shall not be bent in excess of 90 degrees or at a radius less than five diameters of the nominal trade size of the pipe or tube when the radius is measured from the inside edge of the pipe or tube. IFC 5703.6.11 or ASME B31.9
37. **Testing**
Unless tested in accordance with the applicable section of ASME B31.9, piping, before being covered, enclosed or placed in use, shall be hydrostatically tested to 150 percent of the maximum anticipated pressure of the system, or pneumatically tested to 110 percent of the maximum anticipated pressure of the system, but not less than 5 pounds per square gauge (psig) (34.47 kPa) at the highest point of the system. This test shall be maintained for a sufficient time period to complete visual inspection of joints and connections. For a minimum of 10 minutes, there shall be no leakage or permanent distortion. Such storage tanks shall be tested independently from the piping. IFC 5703.6.3

Fuel Dispensers

38. **Mounting of dispensers.** Dispensing devices except those installed on top of a protected above-ground tanks that qualifies as vehicle-impact resistant, shall be protected against physical damage by mounting on a concrete island 6 inches or more (152 mm) in height, or shall otherwise be suitably protected in accordance with with Section 312. Dispensing devices shall be installed and securely fastened to their mounting surface in accordance with the dispenser manufacturer's instructions. Dispensing devices installed indoors shall be located in an approved position where they cannot be struck by an out-of-control vehicle descending a ramp or other slope. IFC 2306.7.3
39. **Approved equipment.** Electrical equipment, dispensers, hose, nozzles and submersible or subsurface pumps used in fuel-dispensing systems shall be listed. IFC 2306.7.1
40. **Dispensing devices** shall be located as follows:
1. Ten feet (3048 mm) or more from lot lines.

2. Ten feet (3048 mm) or more from buildings having combustible exterior wall surfaces or buildings having noncombustible exterior wall surfaces that are not part of a 1-hour fire-resistance-rated assembly or buildings having combustible overhangs.
Exception: Canopies constructed in accordance with the *International Building Code* providing weather protection for the fuel islands.

3. Such that all portions of the vehicle being fueled will be on the premises of the motor fuel-dispensing facility.

CEDAR RAPIDS FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE
Aboveground Storage Tank MVFD Permit Guide

4. Such that the nozzle, when the hose is fully extended, will not reach within 5 feet (1524 mm) of building openings.

5. Twenty feet (6096 mm) or more from fixed sources of ignition. IFC 2303.1

41. **Special requirements for nozzles.** Where dispensing of Class I, II or IIIA liquids is performed, a listed automatic-closing-type hose nozzle valve shall be used incorporating the following features:

1. The hose nozzle valve shall be equipped with an integral latch-open device.

2. When the flow of product is normally controlled by devices or equipment other than the hose nozzle valve, the hose nozzle valve shall not be capable of being opened unless the delivery hose is pressurized. If pressure to the hose is lost, the nozzle shall close automatically.

Exception: Vapor recovery nozzles incorporating insertion interlock devices designed to achieve shutoff upon disconnect from the vehicle fill-pipe.

3. The hose nozzle shall be designed such that the nozzle is retained in the fill pipe during the filling operation.

4. The system shall include listed equipment with a feature that causes or requires the closing of the hose nozzle valve before the product flow can be resumed or before the hose nozzle valve can be replaced in its normal position in the dispenser. IFC 2306.7.6.1

42. **Emergency disconnect switches.** An approved, clearly identified and readily accessible emergency disconnect switch shall be provided at an approved location, to stop the transfer of fuel to the fuel dispensers in the event of a fuel spill or other emergency. An emergency disconnect switch for exterior fuel dispensers shall be located within 100 feet (30 480 mm) of, but not less than 20 feet (6096 mm) from, the fuel dispensers. For interior fuel-dispensing operations, the emergency disconnect switch shall be installed at an approved location. Such devices shall be distinctly labeled as: EMERGENCY FUEL SHUTOFF. Signs shall be provided in approved locations. IFC 2303.2

43. **Dispenser Hoses** Dispenser hoses shall be a maximum of 18 feet in length unless approved. Dispenser hoses shall be listed and approved. When not in use, hoses shall be reeled, racked or otherwise protected from damage. IFC 2306.7.5

Dispenser hoses for Class I and II liquids shall be equipped with a listed emergency breakaway device designed to retain liquid on both sides of a breakaway point. Such devices shall be installed and maintained in accordance with the manufacturer's instructions. Where hoses are attached to hose-retrieving mechanisms, the emergency breakaway device shall be located between the hose nozzle and the point of attachment of the hose-retrieval mechanism to the hose. IFC 2306.7.5.1

44. **Obstructions to view.** Dispensing devices shall be in clear view of the attendant at all times. Obstructions shall not be placed between the dispensing area and the attendant. IFC 2304.2.4

Communications. The attendant shall be able to communicate with persons in the dispensing area at all times. An approved method of communicating with the fire

CEDAR RAPIDS FIRE DEPARTMENT FIRE MARSHAL'S OFFICE Aboveground Storage Tank MVFD Permit Guide

department shall be provided for the attendant. IFC 2304.2.5

45. _____

This applies to unattended self-service motor vehicle fuel dispensing facilities. IFC 2304.3 Where approved, unattended self-service stations are allowed. As a condition of approval, the owner or operator shall provide, and be accountable for, daily site visits, regular equipment inspection and maintenance. IFC 2304.3.1

Operating instructions. Dispenser operating instructions shall be conspicuously posted in approved locations on every dispenser and shall indicate the location of the emergency controls required by Section 2204.3

Emergency procedures. IFC 2304.3.5 An approved emergency procedures sign, in addition to the signs required by Section 2205.6, shall be posted in a conspicuous location and shall read:

IN CASE OF FIRE, SPILL OR RELEASE
1. USE EMERGENCY PUMP SHUTOFF
2. REPORT THE ACCIDENT!
FIRE DEPARTMENT TELEPHONE NO. _____
FACILITY ADDRESS _____

Communications. A telephone not requiring a coin to operate or other approved, clearly identified means to notify the fire department shall be provided on the site in a location approved by the code official. 2204.3.6

Quantity limits. Dispensing equipment used at unsupervised locations shall comply with one of the following:

1. Dispensing devices shall be programmed or set to limit uninterrupted fuel delivery to 25 gallons (95 L) and require a manual action to resume delivery.
2. The amount of fuel being dispensed shall be limited in quantity by a preprogrammed card as approved. 2204.3.7

	Manufacture of Tank	Size of Tank	Product to be Stored Within Tank	UL Listing Number	Iowa DNR Tank Registration #
#1					
#2					
#3					
#4					

Contractor to be used for installation. _____

Contact Name: _____ Phone Number: _____