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**Rules of**  
**Department of Agriculture**  
**Division 90—Weights, Measures and Consumer**  
**Protection**  
**Chapter 30—Petroleum Inspection**

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**Title 2—DEPARTMENT OF  
AGRICULTURE  
Division 90—Weights, Measures and  
Consumer Protection  
Chapter 30—Petroleum Inspection**

**2 CSR 90-30.010 Inspection of Premises**  
(Rescinded February 11, 1988)

*AUTHORITY: section 414.142, RSMo Supp. 1987. Original rule filed July 27, 1970, effective Aug. 5, 1970. Rescinded: Filed Oct. 16, 1987, effective Feb. 11, 1988.*

**2 CSR 90-30.020 Measuring Devices**  
(Rescinded February 11, 1988)

*AUTHORITY: section 414.142, RSMo Supp. 1987. Original rule filed July 27, 1970, effective Aug. 5, 1970. Rescinded: Filed Oct. 16, 1987, effective Feb. 11, 1988.*

**2 CSR 90-30.030 Quality Standards for  
Motor Fuels**  
(Rescinded February 11, 1988)

*AUTHORITY: section 414.142, RSMo Supp. 1987. Original rule filed Nov. 9, 1983, effective March 11, 1984. Amended: Filed May 15, 1985, effective Aug. 26, 1985. Rescinded: Filed Oct. 16, 1987, effective Feb. 11, 1988.*

**2 CSR 90-30.040 Quality Standards for  
Motor Fuels**

*PURPOSE: This rule establishes quality standards for motor and heating fuels sold in Missouri as provided in Chapter 414, RSMo.*

*PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material. The entire text of the rule is printed here.*

*SUMMARY: ASTM International, formerly known as the American Society of Testing and Materials (ASTM) addresses standard specifications for kerosene, diesel fuel, heating oil, aviation turbine fuel, gasoline, gasoline-alcohol blends, and other motor fuels. Missouri references the most current edition of ASTM specifications as Missouri law (Chapter*

414.032 RSMo).

(1) Regulation Regarding Quality of Motor Fuels. The following fuels when sold, offered for sale, or when used in this state shall meet the following requirements:

(A) Motor Fuels. Any liquid fuel product used for the generation of power in an internal combustion engine. Note: liquefied petroleum gas which is composed predominantly of propane, propylene, butanes (normal or isobutanes), and butylenes are not considered as motor fuels in Chapter 414, RSMo and this regulation;

(B) All automotive gasoline shall meet the requirements set in ASTM D4814;

(C) All automotive gasoline containing oxygenated additives shall meet the requirements set in ASTM D4814 and the following requirements:

1. When methanol is blended in quantities greater than three tenths (0.3) volume percent, the finished blend shall contain at least an equal amount of butanol or higher molecular weight alcohol;

2. When gasoline contains nine percent (9%) or up to and including fifteen percent (15%) ethanol, a vapor pressure tolerance not exceeding one pound per square inch (1.0 psi) is allowed in accordance with U.S. EPA per 40 CFR 80.27(d) from June 1 through September 15;

3. When gasoline contains one percent (1%) or up to and including fifteen percent (15%) ethanol, a one pound per square inch (1.0 psi) vapor pressure tolerance is allowed for volatility classes A, B, C, and D from September 16 through May 31;

4. When gasoline contains one percent (1%) or up to and including fifteen percent (15%) ethanol, a one-half pound per square inch (0.5 psi) vapor pressure tolerance is allowed for volatility class E from September 16 through May 31; and

5. The vapor pressure exceptions in paragraphs (1)(C)2., 3., and 4. of this rule will remain in effect until ASTM incorporates changes to the vapor pressure maximums for ethanol blends;

(D) All gasoline or gasoline-oxygenate blends classified as leaded shall contain a minimum of five hundredths (0.05) grams of lead per United States gallon;

(E) The minimum  $(R \pm M)/2$  octane rating of automotive gasoline grades and gasoline-oxygenate blended grades shall be no less than the following:

- |                            |     |
|----------------------------|-----|
| 1. Regular Unleaded and    | 87; |
| 2. Premium, Super, Supreme | 91; |
| and                        |     |

(F) The motor octane number shall not be less than eighty-two (82) for regular unleaded gasoline.

(2) Method of Sale of Gasoline-Alcohol Blends. At the time of delivery, the retailer

must be provided an invoice, bill of lading, shipping paper, or other documentation, by the supplier and/or carrier, the presence and maximum amount of ethanol, methanol, or any type of alcohol (in terms of percent by volume) contained in the fuel. It is the responsibility of any potential blender to determine the total oxygen content of the motor fuel before blending.

(3) Procedures for Storage of Motor Fuels Containing Alcohol Additives. The following procedures shall be used by retail outlets when the total alcohol content is over three-tenths (0.3) volume percent:

(A) Retail establishments offering any gasoline-alcohol blended fuel for the first time shall remove all water and precipitated materials from the storage tank before the gasoline-alcohol blend is delivered into the tank; and

(B) A suitable filter, ten (10) microns or less, must be installed in the meter inlet or discharge line and immediately adjacent to the meter.

(4) Classification of Petroleum Fuels. When gasoline, illuminating oils, heating fuels, or other motor fuels are sold or offered for sale in Missouri, the invoice bill of lading, shipping paper, or other documentation must identify the name of the product, the particular grade of the product as designated by ASTM, and, when applicable, the minimum octane (antiknock index) as listed in subsections (4)(A)-(K) of this section. All retail dispensing devices must conspicuously identify the name of the product, the particular grade of the product as designated, and, when applicable, the minimum octane (antiknock index) as listed as follows:

(A) Automotive gasoline shall be identified by leaded or unleaded and the octane (antiknock index) number. The octane posting shall be in accordance with the Federal Trade Commission (FTC) 16 CFR Part 306 - Automotive Fuel Ratings, Certification and Posting Rule;

(B) Gasoline-alcohol blends up to and including ten percent (10%) ethanol shall be identified by leaded or unleaded and the octane number. The octane posting shall be in accordance with FTC 16 CFR Part 306 - Automotive Fuel Ratings, Certification and Posting Rule;

(C) Retailers and wholesale purchaser-consumers of gasoline shall comply with the Environmental Protection Agency (EPA) pump labeling requirements for gasoline containing greater than ten (10) volume percent up to fifteen (15) volume percent ethanol (E15) under 40 CFR 80.1501;

(D) Ethanol flex fuel (gasoline greater than fifteen (15) volume percent ethanol) shall be labeled as "Ethanol Flex Fuel." The



automotive fuel rating for ethanol flex fuel shall be posted in accordance with 16 CFR Part 306 - Automotive Fuel Ratings, Certification and Posting Rule. The term "E85" is a permissible substitution for product identity for street side posting and dispenser advertising in lieu of the term "Ethanol Flex Fuel" for fuels with an ethanol concentration no less than fifty-one (51) volume percent ethanol and no greater than eighty-three (83) volume percent ethanol;

(E) Aviation gasoline shall be identified by Grade 80, Grade 100, or Grade 100LL;

(F) Aviation turbine fuels shall be identified by Jet A, Jet A-1, or Jet B;

(G) Diesel fuel shall be identified by the grades No. 1-D, No. 2-D, or No. 4-D;

(H) Diesel containing more than five (5) volume percent biodiesel shall be labeled with its automotive fuel rating in accordance with 16 CFR Part 306 - Automotive Fuel Ratings, Certification and Posting Rule;

(I) Diesel containing biodiesel greater than twenty (20) volume percent shall display a label which states "Consult Vehicle Manufacturer Fuel Recommendations." This label shall be clearly and conspicuously posted on the upper fifty percent (50%) of the dispenser front panel in a type at least six (6) mm (¼ in) in height by 0.8 mm (1/32 in) stroke; block style letters and the color shall be in definite contrast to the background color to which it is applied;

(J) Fuel oil shall be identified by the grades of No. 1, No. 2, No. 4 (Light), No. 4, No. 5 (Light), No. 5 (Heavy), or No. 6; and

(K) Kerosene shall be identified by the grades of No. 1-K or No. 2-K. Grade No. 2-K sold or offered for sale at retail shall also post conspicuously on the front of the dispensing device, the words WARNING—NOT SUITABLE FOR USE IN UNVENTED HEATERS REQUIRING NO. 1-K in one-half inch by one-sixteenth inch (1/2" × 1/16") strokes, block style letters.

(5) Retail Establishments—Retention of Delivery Tickets. The retailers shall retain on the premises to which kerosene or motor fuel has been delivered, copies of the loading ticket, manifest, or delivery receipt for each grade of product received, subject to examination by the director upon request. If a delivery receipt is retained rather than a manifest or loading ticket, the delivery ticket shall bear the following information: vendor name, date of delivery, quantity of each grade, point of origin, and the manifest or loading ticket number. The required retention of the loading ticket, manifest, or delivery receipt shall be limited to the four (4) most recent receipts of each grade of product.

(6) Water in Retail Tanks. It shall be a violation for water to exceed one inch (1") in depth, when measured from the bottom

through the fill pipe, of any tank utilized in the storage of regulated products sold at retail. Water must be removed from the tank prior to the delivery and subsequent selling of additional product from the storage tank.

#### (7) Stop Sale.

(A) Retail Service Stations. A Stop Sale notice will be issued to retail service station dealers for kerosene or motor fuel failing to meet established specifications. A release from a Stop Sale order will be awarded only after final disposition has been agreed upon by the director. Confirmation for disposition shall be submitted in writing and contain an explanation for its failure to meet specifications. The Stop Sale will apply only to the location where sample analysis indicates specification violation. Upon discovery of fuels failing to meet established specifications, meter readings and physical inventory shall be taken and reported in the confirmation for disposition.

(B) Bulk Storage Plants Including Terminals. A Stop Sale notice will be issued when petroleum products maintained in bulk plant facilities fail to meet specifications established by the director. The bulk storage plant immediately shall notify all customers that have received those products and make any arrangements necessary to replace or adjust to specifications those products. Confirmation of disposition of Stop Sale on products shall be made available in writing to the director. Specific variations or exemptions may be made for fuels used for blending purposes or designed for special equipment or services and for which it can be demonstrated that the distribution will be restricted to those uses.

*AUTHORITY: sections 414.142 and 414.300, RSMo 2016.\* This rule was previously filed as 2 CSR 90-30.030. Emergency rule filed Dec. 1, 1987, effective Jan. 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988. Amended: Filed April 2, 1990, effective June 28, 1990. Emergency amendment filed Aug. 30, 2002, effective Sept. 10, 2002, expired March 9, 2003. Amended: Filed Aug. 30, 2002, effective Feb. 28, 2003. Amended: Filed May 31, 2013, effective May 30, 2014. Amended: Filed Dec. 31, 2015, effective Aug. 30, 2016. Emergency amendment filed July 15, 2016, effective July 25, 2016, expired Jan. 20, 2017. Amended: Filed July 15, 2016, effective Jan. 30, 2017. Amended: Filed Feb. 27, 2018, effective Aug. 30, 2018. Amended: Filed Nov. 25, 2019, effective May 30, 2020.*

*\*Original authority: 414.142, RSMo 1987, amended 1993, 1995 and 414.300, RSMo 2015.*

## 2 CSR 90-30.050 Inspection of Premises

*PURPOSE: This rule establishes requirements for the safe storage and handling of flammable and combustible liquids regulated by Chapter 414, RSMo.*

*PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material. The entire text of the rule is printed here.*

(1) All locations utilized for the sale or storage of petroleum products regulated by Chapter 414, RSMo shall meet the requirements of the National Fire Protection Association (NFPA) Manual No. 30 entitled *Flammable and Combustible Liquids Code*, 1996 Edition and NFPA 30A entitled *Automotive and Marine Service Station Code*, 1996 Edition which are incorporated herein by reference. Existing plants, storage, storage equipment, buildings, structures, and installations for the storage, handling, or use of flammable or combustible liquids at any location which is not in strict compliance with the terms of this code may be continued in use, provided these do not constitute a distinct hazard to life or property. When the director determines that continued use will constitute a distinct hazard to life and property, s/he shall notify the owner or operator and specify the reason in writing and shall order the correction, discontinuance, or removal of same.

(2) Should any portion of the 1996 Edition of NFPA Manual No. 30 or NFPA Manual No. 30A be deemed unacceptable, rules will be promulgated within this chapter denoting and excepting those portions and adopting alternative provisions as deemed necessary by the director of the Department of Agriculture.

(3) New construction and new installations or major modifications made to any location shall be in conformity with the provisions of the 1996 Edition of NFPA Manual No. 30 entitled *Flammable and Combustible Liquids Code* and the 1996 Edition of NFPA 30A.

(4) The director or his/her delegated representative shall have free access, at reasonable times, to any location utilized for the sale or storage of petroleum products regulated by Chapter 414, RSMo.



(5) No person shall hinder or obstruct the director or his/her delegated representative in the reasonable performance of his/her duties.

(6) All areas adjacent to storage containers containing products regulated by Chapter 414, RSMo shall be kept free of flammable and combustible materials (for example, tall grass, weeds, tires, wood, petroleum products, etc.).

(7) The fencing requirement contained in sections 2-1.3 and 2-4.7.1 of the 1996 Edition of NFPA Manual No. 30A shall not apply.

(8) Section 2-4.2.1 contained in the 1996 Edition of the NFPA Manual No. 30A may be amended by the director if justification for the need is provided in writing and the level of safety to public and property will not be diminished.

(9) After the effective date of this rule, the provisions of section 2-4.2.2, relating to aboveground storage tank distance requirements, contained in the 1996 Edition of NFPA Manual No. 30A shall apply only to new locations and those existing locations that—

(A) Install aboveground storage tanks in place of underground storage tanks;

(B) Remove and replace all aboveground storage tanks, piping, and dispensing devices;

(C) Replace any existing aboveground storage tanks with one of a larger capacity; and

(D) Install additional aboveground tanks.

(10) All aboveground storage tanks installed and connected together, utilizing a common piping system or manifold, shall be installed with each tank top level with all other tank tops to prevent any overfilled tank condition. When tanks are manifolded or piped together, the total capacity of all tanks shall be considered as a single tank when calculating the capacity of the secondary containment facility.

(11) Storage tanks of double wall construction are not acceptable for use aboveground in lieu of secondary containment by diking or remote impounding unless the tanks meet the requirements of NFPA 30A, 1996 Edition, section 2-4.5, and are equipped with automatic tank gauging, overflow protection, and interstitial monitoring. Section 2-3.4.1, exception (2), contained in the 1996 Edition of NFPA 30 shall not apply.

(12) Aboveground storage tanks shall not be installed under any electrical lines or transformers. All aboveground storage tanks shall maintain a minimum horizontal distance of

ten feet (10') from any overhead power line or transformer.

(13) All aboveground storage tanks utilizing compartments and storing different classes of products shall be constructed with a double wall center bulkhead with means of interstitial monitoring. This may be accomplished using an interstitial drain which must be kept closed at all times except for draining condensate or checking for leakage or failure of the bulkhead. Any liquid that is drained from the interstitial space, may be considered a hazardous waste, and must be disposed of in a manner that is in compliance with the Department of Natural Resources regulations pertaining to such liquids.

(14) The practice of switching the use of a storage tank from heating oil or kerosene to gasoline and from gasoline to heating oil or kerosene is prohibited (i.e., racing fuel to kerosene). Tank use is limited to a single product.

(15) Tanks storing different classes of petroleum products (i.e., gasoline a class I or kerosene and diesel fuel a class II) shall not be piped or connected together.

(16) Aboveground storage tanks that are not being used, and have been out of service for six (6) months or more, shall be emptied, cleaned of product and shall be removed from the secondary containment facilities.

(17) Aboveground storage tanks storing alcohols, fuel blending components or additives for motor fuels shall meet the requirements as contained in the NFPA Manuals 30 and 30A, 1996 Editions and the requirements contained in 2 CSR 90-30.050.

(18) Each aboveground storage tank shall meet the requirements of the 1996 Edition of NFPA 30A, section 2-4.6.1. An exception may be made for the ninety-five percent (95%) stop-fill requirement if the owner and/or operator of the tank can demonstrate there is adequate protection for the tank to prevent an overflow situation from occurring. Tanks of two thousand (2,000) gallons capacity or less, that are filled from fuel delivery vehicles by hose nozzle, and utilize a manual gaging method, such as a gage stick to determine the tank outage and volume of liquid that can be safely delivered into the tank, are exempt from the requirements of NFPA 30A, section 2-4.6.1. If this method is utilized, the delivery truck operator/driver shall be in attendance and manually operate the delivery nozzle throughout the entire delivery process to insure the tank is not overfilled.

(19) All piping, including fiberglass and other non-metallic piping, constructed of low melting point materials shall be installed in conformance with manufacturer's instructions. All piping, including fiberglass and other non-metallic piping, constructed of low melting point materials in dispensing devices or open pits or sumps beneath the dispensing device shall be protected from fire exposure. Protection shall be provided by December 31, 2005 by a method that is approved by the director of the Department of Agriculture.

(20) The walls and floor of secondary containment structures shall be constructed of earth, steel, concrete, or solid masonry that is compatible with the specifications of the product being stored, that is liquid tight and have the ability to contain any released product until corrective action, such as the removal of released product and subsequent cleanup including soil and groundwater, can occur. Cleanup of any released product and contaminated soil, groundwater, etc., shall be in conformance with the Department of Natural Resources environmental regulations. The walls and floor of the containment structure shall be designed to support the gravity load of the storage containers and the hydrostatic loads resulting from a release within the secondary containment structure. Gravel, rock, or open cell block structures are not considered to be liquid tight and cannot be used.

(21) The drains in all secondary containment facilities shall remain closed at all times except when accumulated water or released/spilled product is being removed. Water or product shall not be allowed to accumulate within any secondary containment facility, this includes dikes and remote impoundments. Accumulated water and/or product within a secondary containment facility shall be removed and disposed of in manner that is in compliance with applicable rules of the Department of Natural Resources.

(22) Storage of products other than petroleum products regulated by Chapter 414, RSMo, except waste oil storage or heating oil for owner's use, within a secondary containment facility is prohibited. Any waste oil or heating oil storage tank(s) located within a facility containing regulated products shall meet all of the requirements of regulated product storage tanks. Chemicals and fertilizers shall not be stored within the secondary containment facility.

(23) Walls of buildings or other structures cannot be utilized as a wall or common wall



for any secondary containment facility.

(24) All remote pumping and pressurized piping systems, including aboveground storage tanks systems that produce a gravity head on the dispensing device and piping system, shall be equipped with a listed leak detection device or approved leak detection method that will provide an indication if the dispensing and piping system is not liquid tight. Leak detection may be accomplished by, but not limited to, one (1) or a combination of the following methods:

(A) Installation of an approved listed automatic line leak detector. The leak detector is to be tested at least once annually to insure its proper operation or at such time a problem with the detector is indicated. This also includes an annual pressure test performed on all piping;

(B) Annual pressure testing of the dispensing and piping system, provide and maintain an accurate inventory and reconciliation of all gallons of product received, gallons sold, and gallons currently on hand; and

(C) Other method(s) approved by the director.

(25) In order to prevent product loss, all locations utilized for the sale of products regulated by Chapter 414, RSMo shall provide and maintain accurate inventory records of all gallons of product received, gallons sold, and gallons currently on hand. Such records shall be made available to the director of agriculture or his/her delegated representative within forty-eight (48) hours of request.

(26) All persons installing, repairing, or servicing appliances, equipment, or devices including storage tanks and piping located at any facility utilized for the sale of products regulated by Chapter 414, RSMo, shall be properly trained and experienced in the work, familiar with all safety precautions and shall install, repair, and service all appliances, equipment, and devices including storage tanks and piping in conformance with all of the requirements of Chapter 414, RSMo and the petroleum inspection rules.

(27) No person shall install, repair, or service any dispensing device without first having registered with the Department of Agriculture, Petroleum Inspection Program, submitting documentation of properly designed and calibrated testing equipment and proof of training and experience to perform such work. Registration may be revoked if such person does not obtain and maintain testing equipment calibration at least once every two (2) years and/or installs, repairs, or services any dispensing device in violation of

Chapter 414, RSMo and/or any rules promulgated thereunder.

(28) Installation of equipment and devices, such as vending machines and ATMs, that may produce safety hazards by distracting the customer from the dispensing operation, limit ingress and egress to the dispensing area or from electrical components of the equipment or device, or limit visibility to vehicle refueling on islands utilized for the dispensing of petroleum products regulated by Chapter 414, RSMo is prohibited.

*AUTHORITY: section 414.142, RSMo 2016.\* This rule was previously filed as 2 CSR 90-30.010. Emergency rule filed Dec. 1, 1987, effective Jan. 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988. Amended: Filed April 2, 1990, effective June 28, 1990. Amended: Filed April 8, 1999, effective Nov. 30, 1999. Amended: Filed Nov. 17, 2003, effective May 30, 2004. Amended: Filed June 27, 2018, effective Jan. 30, 2019.*

*\*Original authority: 414.142, RSMo 1987, amended 1993, 1995.*

## **2 CSR 90-30.060 Automotive and Marine Service Stations**

(Rescinded November 30, 1999)

*AUTHORITY: section 414.142, RSMo. Supp. 1993.\* Emergency rule filed Dec. 1, 1987, effective Jan. 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988. Rescinded: Filed April 8, 1999, effective Nov. 30, 1999.*

## **2 CSR 90-30.070 Unattended Self-Service Stations**

*PURPOSE: This rule establishes requirements for service stations which allow or permit the refueling of motor vehicles with Class I, II, or III liquids by other than owner or employee without the presence of an attendant.*

*PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material. The entire text of the rule is printed here.*

(1) All unattended self-service stations shall meet the requirements contained in NFPA Manual No. 30 entitled *Flammable and Combustible Liquids Code*, 1996 Edition and NFPA No. 30A entitled *Automotive and Marine Service Station Code*, 1996 Edition which are incorporated herein by reference. Existing unattended self-service stations which are not in strict compliance with the terms of this code may be continued in use, provided these do not constitute a distinct hazard to life or property. When the director determines that continued use will constitute a distinct hazard to life or property, s/he shall notify the owner or operator and specify the reason in writing and shall order correction, discontinuance or removal of same.

(2) New construction and new installation or major modifications made to any unattended self-service station shall be in conformance with the provisions of NFPA Manual No. 30 entitled *Flammable and Combustible Liquids Code*, 1996 Edition and NFPA Manual No. 30A entitled *Automotive and Marine Service Station Code*, 1996 Edition.

(3) All unattended self-service stations shall meet the requirements contained in 2 CSR 90-30.050.

(4) Operating instructions shall be conspicuously posted in the dispensing area and shall include location of emergency controls.

(5) Warning signs shall be posted in a conspicuous location in the dispensing area stating: WARNING: a) USER MUST STAY OUTSIDE OF VEHICLE IN VIEW OF FUELING NOZZLE DURING DISPENSING OPERATION. b) IT IS UNLAWFUL AND DANGEROUS TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS. c) NO SMOKING. d) STOP ENGINE.

(6) Emergency instructions and telephone numbers shall be posted in a conspicuous location in the dispensing area.

(7) A telephone or other clearly identified means shall be provided on the site in a conspicuous, easily accessible location to be used to notify proper authorities.

(8) Unattended self-service stations shall comply with section 8-5.8 contained in NFPA Manual No. 30A entitled *Automotive and Marine Service Station Code*, 1996 Edition.

(9) Equipment Required for an Unattended Self-Service Station.

(A) Dispenser Control Device (Actuators and Monitors) For Use by Customers to Activate Dispensing Equipment.



1. Devices may use keys or cards to activate dispenser and pumps. Coin or currency activated devices may be permitted upon approval by the director after a site safety assessment has been made.

2. Card devices shall use magnetically coded, optically read, or inductive coil cards to be inserted in a device to activate the pump.

3. All dispenser control devices must meet Underwriters' Laboratory (UL) standards and shall be installed and maintained in accordance with the manufacturer's instructions. All wiring shall comply with NFPA Manual No. 70, 1996 Edition.

4. Motors of pumps to dispensing devices shall not have electrical current supplied to them unless and until the dispensing device is activated by the insertion of the card or key device. The electric current to the motors of the pumps shall automatically terminate not more than three (3) minutes after the flow of product has ceased. Electrical current to the pump motors shall be off at all other times.

*AUTHORITY: section 414.142, RSMo 2016.\* Emergency rule filed Dec. 1, 1987, effective Jan. 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988. Amended: Filed April 2, 1990, effective June 28, 1990. Amended: Filed March 4, 1996, effective Sept. 30, 1996. Amended: Filed April 8, 1999, effective Nov. 30, 1999. Amended: Filed June 27, 2018, effective Jan. 30, 2019. \*\**

*\*Original authority: 414.142, RSMo 1987, amended 1993, 1995.*

*\*\*Pursuant to Executive Orders 20-04 and 20-10, 2 CSR 90-30.070, section (7) and paragraph (9)(A)4. was suspended from March 27, 2020 through June 15, 2020.*

## 2 CSR 90-30.080 Measuring Devices

*PURPOSE: This rule establishes requirements for the specifications, installation, use and tolerances of measuring devices.*

*PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material. The entire text of the rule is printed here.*

(1) Each location dispensing products regulated by Chapter 414, RSMo shall have a

measuring device for each product dispensed which shall be utilized for the sale of products regulated by Chapter 414, RSMo. All transactions involving the sale of petroleum products regulated by Chapter 414, RSMo shall be based on the gallons stated by the measuring device.

(2) All measuring devices shall be installed in locations easily accessible for testing, inspection, and maintenance purposes.

(3) The director shall order any device installed in a manner not accessible for testing, inspection, and maintenance to be corrected, discontinued from use or removed.

(4) Each measuring device used in the sale of petroleum products regulated by Chapter 414, RSMo shall meet the requirements contained in the current edition of *NIST Handbook 44*, National Fire Protection Association (NFPA) Manual No. 30A, 1996 Edition which is incorporated herein by reference, and be installed and maintained as recommended by the device manufacturer.

(5) At least every six (6) months, the director shall test and inspect the measuring devices used by any person selling an average of two hundred (200) or more gallons of gasoline, gasoline-alcohol blends, diesel fuel, heating oil, kerosene or aviation turbine fuel each month at either retail or wholesale in this state except marinas, which shall be tested and inspected at least once each year.

(6) The meter of each dispensing device shall be sealed with an official state security seal applied by the director or his/her delegated representative. No person shall break or tamper with any official state security seal without the consent of the director or his/her delegated representative except for repair or replacement of that device, at which time notification is to be given to the director within five (5) days.

(7) No person, except the director or his/her delegated representative, shall duplicate the state seal of Missouri to be used for sealing or applying seals to any measuring device dispensing products regulated by Chapter 414, RSMo.

(8) If the design, construction, or location of any device is such as to require a testing procedure involving special equipment or accessories or an abnormal amount of labor, the equipment, accessories, and labor shall be supplied by the owner or operator of the device as required by the weights, measures, and consumer protection official.

*AUTHORITY: section 414.142, RSMo 2016.\* This rule was previously filed as 2 CSR 90-30.020. Emergency rule filed Dec. 1, 1987, effective Jan. 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988. Amended: Filed April 2, 1990, effective June 28, 1990. Amended: Filed April 14, 1994, effective Sept. 30, 1994. Amended: Filed April 8, 1999, effective Nov. 30, 1999. Amended: Filed June 27, 2018, effective Jan. 30, 2019.*

*\*Original authority: 414.142, RSMo 1987, amended 1993, 1995.*

## 2 CSR 90-30.085 Financial Responsibility for Manufacturers, Installers and Repairers of Petroleum Equipment

*PURPOSE: This rule implements the provisions of Senate Bill 1020, enacted in 2006 by the second regular session of the 93rd General Assembly.*

(1) For the purposes of this rule, the following definitions shall apply:

(A) "Fuel storage tank system" means an aboveground or underground storage tank used to store petroleum or petroleum-blended fuel, and all connected piping, ancillary equipment and containment systems located beneath the fire impact valve;

(B) "Person" means a partnership, corporation, company, firm, society or association; and

(C) "Repair" means any modification to, or replacement of parts on, the fuel storage tank system.

(2) Any person who manufactures an aboveground or underground fuel storage tank for use in Missouri, or piping for such tank; or any person who installs or repairs all or part of a fuel storage tank system in Missouri shall annually apply for a registration from the Department of Agriculture's Division of Weights and Measures on an Application for Annual Registration form included herein by the department. At the time of application, such person shall provide evidence of financial responsibility for the costs of corrective action directly related to releases caused by improper manufacture, installation, or repair of such tank or piping. This evidence shall:

(A) Demonstrate that the financial responsibility mechanism provides coverage of at least one (1) million dollars per occurrence and two (2) million dollars annual aggregate;

(B) Clearly identify who is insured;

(C) Specify the retroactive date of such coverage; and

(D) Specify the term of such coverage.



(3) This rule shall not apply to a person who installs or repairs tanks and/or piping owned or operated by such person.

(4) Enforcement Authority.

(A) Any person who is found, upon investigation by the Department of Agriculture, to be in possible violation of this rule shall be notified by certified mail of the facts constituting such violation and shall be afforded an opportunity to explain such facts at an informal hearing to be conducted within fourteen (14) days of such notification. In the event that such person fails to timely respond to such notification or upon unsuccessful resolution of any issues relating to the alleged violation, such person may be summoned to a formal administrative hearing before a hearing officer conducted in conformance with Chapter 536, RSMo.

(B) If a hearing officer finds a person has violated the requirements of this rule, he/she may:

1. Order such person to immediately cease and desist the manufacture, installation or repair of petroleum storage tanks;
2. Rescind such person's registration;
3. Order payment of a penalty of not more than five hundred dollars (\$500) per violation; and/or
4. Order payment of a penalty of up to five hundred dollars (\$500) for each day such violation continues.

(C) A party to such hearing who is aggrieved by a determination of the hearing officer may appeal to the circuit court of Cole County, in accordance with Chapter 536, RSMo.

(D) Any person found in violation of this rule or section 414.035, RSMo shall be deemed guilty of a class A misdemeanor and may be prosecuted in any county in which a violation occurs.



Missouri Department of Agriculture  
 Division of Weights and Measures  
 PO Box 630  
 Jefferson City, MO 65102  
 Phone: 573-751-4278

### APPLICATION FOR ANNUAL REGISTRATION

In accordance with Section 414.035, RSMo: Any person who manufactures an aboveground or underground fuel storage tank for use in this state, or piping for such tank, or who installs or repairs a fuel storage tank system in this state, must register with the Department and provide evidence of financial responsibility for the costs of corrective action directly related to releases caused by improper manufacture, installation, or repair of such. This requirement does not apply to the installation or repair of fuel storage tank systems by the tank owner or operator.

**Please complete this application and submit it with an insurance policy, certificate of insurance, or other document that:**

- Demonstrates coverage of at least one million dollars (\$1 million) per occurrence and two million dollars (\$2 million) annual aggregate for pollution liability,
- Clearly identifies who is insured, AND
- Specifies the current term of coverage and the retroactive date of coverage.

**Date of Application**

**Company Name**

**Address**

**City**

**State**

**Zip**

**Telephone**

**Fax**

**E-Mail**

**Summary of Services Performed:**

I hereby certify that the above-named company and its employees are familiar with the requirements of the Department of Agriculture, Division of Weights and Measures and with appropriate industry codes, standards, and recommended practices applicable to the petroleum equipment manufactured, installed, and/or repaired by the above-named company. Further, I certify that the Division of Weights and Measures will be notified if the insurance policy described herein should be canceled prior to its normal expiration date.

**Signed**

**Date**

**Printed Name**

**Title**

02-08-07





*AUTHORITY: section 414.035, RSMo Supp. 2006.\* Original rule filed May 25, 2007, effective Jan. 30, 2008.*

*\*Original authority: 414.035, RSMo Supp. 2006.*

## 2 CSR 90-30.086 Financial Responsibility for Aboveground Storage Tank Owners and Operators

*PURPOSE: This rule establishes allowable mechanisms for owners and operators of regulated aboveground storage tanks to demonstrate financial responsibility for releases of products from those tanks as required by section 414.036, RSMo.*

### (1) Applicability.

(A) Except as outlined in paragraphs 1. and 2. of this subsection, this rule applies to the legal owner and operator of an aboveground storage tank, defined as any one (1) or a combination of tanks, including pipes connected thereto, used to contain an accumulation of petroleum and the volume of which, including the volume of the aboveground pipes connected thereto, is ninety percent (90%) or more above the surface of the ground, which is utilized for the sale of products regulated by Chapter 414, RSMo.

#### 1. This rule does not apply to—

A. The owner or operator of an aboveground storage tank at a refinery, pipeline terminal, rail terminal, or marine terminal;

B. The owner or operator of an aboveground storage tank used for storing heating oil for consumptive use on the premises where stored; or

C. The owner or operator of an aboveground storage tank situated in an underground area, such as a basement, cellar, mineworking, drift, shaft, or tunnel, if the storage tank is situated upon or above the surface of the floor.

2. Aboveground storage tanks which meet the following criteria are deferred from complying with this rule as long as the owner of such tank(s) complies with all other applicable requirements of 2 CSR 90-30:

A. The tanks are in use at a single location;

B. The tank(s), piping, and dispensing equipment are aboveground and totally contained in a liquid-tight metal, concrete, or synthetic containment;

C. The aggregate capacity of the tank(s) located in the secondary containment is two thousand (2,000) gallons or less.

(B) Owners and operators of aboveground storage tanks which are in use on or after January 1, 2011, are subject to this rule.

(C) If the owner and operator of an aboveground storage tank are separate persons, only one (1) person is required to demonstrate financial responsibility; however, both parties are liable in the event of noncompliance.

### (2) Amount and Scope of Required Financial Responsibility.

(A) The owner or operator of an aboveground storage tank (AST) shall demonstrate financial responsibility for taking corrective action and for compensating third parties for bodily injury and/or property damage caused by sudden and non-sudden accidental releases arising from the operation of the AST in at least the following amounts:

1. One (1) million dollars per occurrence; and

2. Two (2) million dollars annual aggregate.

(B) This rule shall not serve to limit the liability of the owner or operator.

### (3) Allowable Mechanisms.

(A) An owner or operator may use any one (1) or a combination of the following mechanisms to meet the requirements of this rule, provided that the total scope and amount meet the requirements of this rule:

1. Self-insurance, subject to the requirements in subsection (B) of this section;

2. The Missouri Petroleum Storage Tank Insurance Fund;

3. An insurance policy issued by a commercial insurance company or a risk retention group, subject to the requirements in subsection (C) of this section.

(B) Requirements for Self-Insurance—An owner or operator must have a tangible net worth of at least ten (10) million dollars, per audited year-end financial statements for the latest completed fiscal year or per financial statements filed with the U.S. Securities and Exchange Commission for the latest completed fiscal year.

(C) Requirements for Insurance or Risk Retention Group Coverage.

1. An owner or operator may satisfy the financial responsibility requirements of this rule by obtaining liability insurance from a qualified insurer or risk retention group. This insurance may be in the form of a separate insurance policy or an endorsement to an existing insurance policy.

2. The endorsement or policy must provide coverage for claims otherwise covered by the policy that are reported to the insurer or risk retention group within six (6) months of the effective date of cancellation or non-renewal of the policy except where the new or renewed policy has the same retroactive date

or retroactive date earlier than that of the prior policy and which arise out of any covered occurrence that commenced after the policy retroactive date, if applicable and prior to such policy renewal or termination date.

3. The endorsement or policy shall be issued by an insurer or risk retention group that, at a minimum, is licensed to transact the business of insurance or eligible to provide insurance as an excess or surplus lines insurer in this state.

### (4) Cancellation or Nonrenewal by a Provider of Financial Assurance.

(A) Except as otherwise provided, a provider of financial assurance may cancel or fail to renew an assurance mechanism by sending a notice of termination by certified mail to the owner or operator. Notice of termination shall comply with the following requirement:

1. Termination of insurance or risk retention group coverage, except for nonpayment or misrepresentation by the insured, shall not occur until sixty (60) days after the date on which the notice is mailed. Termination for nonpayment of premium or misrepresentation by the insured may not occur until a minimum of ten (10) days after the date on which the notice of termination is mailed.

(B) If a provider of financial responsibility cancels or fails to renew for reasons other than incapacity of the provider, the owner or operator shall obtain alternate coverage within sixty (60) days after the date coverage cancels or does not renew. If the owner or operator fails to obtain alternate coverage within sixty (60) days, the owner or operator shall immediately notify the director of the Department of Agriculture by mail of the cancellation of coverage and shall submit—

1. The name and address of the provider of financial assurance; and

2. The effective date of termination.

### (5) Reporting and Enforcement.

(A) Upon request, an owner or operator shall submit one (1) or more documents demonstrating compliance with this rule to the director of the Department of Agriculture.

(B) If an owner or operator fails to comply with this rule or fails to provide documents to the director demonstrating compliance, the director may, at his sole discretion take enforcement action in accordance with section 414.152, RSMo.

*AUTHORITY: section 414.036, RSMo Supp. 2010.\* Original rule filed Jan. 18, 2011, effective Aug. 30, 2011.*

*\*Original authority: 414.036, RSMo 2008.*



## 2 CSR 90-30.090 Tank Trucks and Tank Wagons

*PURPOSE: This rule establishes requirements for tank truck and tank wagon measuring devices and tank vehicle safety.*

### (1) Measuring Devices.

(A) All tank truck and tank wagon measuring devices shall be made available, upon reasonable request, to the director or his/her delegated representative, for testing and inspection.

(B) Each tank truck and tank wagon measuring device used in the retail or wholesale dispensing of products regulated by Chapter 414, RSMo shall meet the requirements contained in the current edition of *NIST Handbook 44*. When these devices are found to be inaccurate or not meeting current *NIST Handbook 44* requirements, the device shall be ordered corrected, removed, or discontinued from use.

(C) No means shall be provided by which any measured liquid can be diverted from the measuring chamber of the meter or its discharge line.

(D) The director of the Department of Agriculture or his/her delegated representative at least once each year shall test and inspect the measuring devices on tank trucks and tank wagons used in the retail or wholesale dispensing of products regulated by Chapter 414, RSMo.

(E) No meter which has been condemned shall be used for commercial purposes. All condemned meters shall be conspicuously marked INACCURATE: USE PROHIBITED.

(F) Each measuring device shall be sealed with an official state security seal to be applied by the director of the Department of Agriculture or his/her delegated representative.

(G) No person, except the director or his/her delegated representative, shall duplicate the state seal of Missouri to be used for sealing or applying seals to any measuring device dispensing products regulated by Chapter 414, RSMo.

(H) No person shall break or tamper with any official state security seal without the consent of the director of the Department of Agriculture or his/her delegated representative except for the repair or replacement of this device, at which time notification is to be given to the director within five (5) days.

(I) No person shall hinder or obstruct the director or his/her delegated representative in the reasonable performance of his/her duties.

(J) If the design, construction, or location of any device is such as to require a testing procedure involving special equipment or accessories, or an abnormal amount of labor,

the equipment, accessories, and labor shall be supplied by the owner or operator of the device as required by the weights, measures and consumer protection official.

(2) Safety. Failure by any owner or operator of a tank wagon to remedy any deficit or condition which is or may constitute a hazard to the person of any official inspector of metering devices shall constitute a refusal to inspect those metering devices and that device shall be subject to an order for discontinuance of use.

(3) Each tank truck or tank wagon shall utilize a separate measuring device (meter) for each class of petroleum products dispensed. This requirement includes any vehicle which was not manufactured for use as a tank delivery vehicle, but has been retrofitted with a tank to be utilized to deliver products regulated by Chapter 414, RSMo to a customer or by a customer.

(4) Each meter utilized for the dispensing of products regulated by Chapter 414, RSMo shall be labeled or marked in a conspicuous location indicating those products it is utilized for (i.e., gasoline, diesel fuel, heating oil, kerosene, etc.)

(5) Tank filling shall not begin until the delivery truck driver or operator has determined the tank outage and calculated the volume that can be safely delivered into the tank.

(6) The driver, operator, or attendant of any tank vehicle shall not remain in the vehicle during the delivery of petroleum products but shall remain at or near the loading or unloading point and not leave the vehicle unattended during the loading or unloading process.

(7) Section 2-4.9.4 contained in the 1996 edition of the NFPA Manual No. 30A shall not apply.

*AUTHORITY: section 414.142, RSMo 2016.\* Emergency rule filed Dec. 1, 1987, effective Jan. 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988. Amended: Filed April 2, 1990, effective June 28, 1990. Amended: Filed April 14, 1994, effective Sept. 30, 1994. Amended: Filed April 8, 1999, effective Nov. 30, 1999. Amended: Filed June 27, 2018, effective Jan. 30, 2019.*

*\*Original authority: 414.142, RSMo 1987, amended 1993, 1995.*

## 2 CSR 90-30.100 Terminals

*PURPOSE: This rule establishes requirements for measuring devices and safety.*

*PUBLISHER'S NOTE: The secretary of state has determined that the publication of the entire text of the material which is incorporated by reference as a portion of this rule would be unduly cumbersome or expensive. This material as incorporated by reference in this rule shall be maintained by the agency at its headquarters and shall be made available to the public for inspection and copying at no more than the actual cost of reproduction. This note applies only to the reference material. The entire text of the rule is printed here.*

### (1) Safety.

(A) All terminal locations utilized for the sale or storage of petroleum products regulated by Chapter 414, RSMo shall meet the requirements of the National Fire Protection Association (NFPA) entitled Manual No. 30, 1996 Edition which is incorporated herein by reference.

(B) At least once every six (6) months the director shall inspect and examine all terminal premises utilized for the sale or storage of petroleum products regulated by Chapter 414, RSMo to insure compliance with NFPA Manual No. 30, 1996 Edition.

(C) The director or his/her delegated representative shall have free access, at reasonable times, to any terminal location utilized for the sale or storage of petroleum products regulated by Chapter 414, RSMo.

(D) No person shall hinder or obstruct the director or his/her delegated representative in the reasonable performance of his/her duties. Any measuring device which does not meet the requirements contained in the current edition of *NIST Handbook 44* shall not be used and shall be ordered corrected, discontinued from use, or removed.

*AUTHORITY: section 414.142, RSMo 2016.\* Emergency rule filed Dec. 1, 1987, effective Jan 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988. Amended: Filed April 2, 1990, effective June 28, 1990. Amended: Filed April 14, 1994, effective Sept. 30, 1994. Amended: Filed April 8, 1999, effective Nov. 30, 1999. Amended: Filed June 27, 2018, effective Jan. 30, 2019.*

*\*Original authority: 414.142, RSMo 1987, amended 1993, 1995.*



**2 CSR 90-30.110 Airports**

*PURPOSE:* This rule establishes requirements for airport safety and measuring devices.

- (1) At least every six (6) months, the director shall test and inspect the measuring devices at all airports which dispense products regulated by Chapter 414, RSMo.
- (2) Each measuring device shall meet the requirements of 2 CSR 90-30.080.
- (3) If the design, construction or location of any device is such as to require a testing procedure involving special equipment or accessories or an abnormal amount of labor, the equipment, accessories and labor shall be supplied by the owner or operator of the device as required by the weights and measures official.
- (4) The director or his/her delegated representative shall have free access, at reasonable times, to any airport location utilized for the sale or storage of products regulated by Chapter 414, RSMo.
- (5) No person shall hinder or obstruct the director or his/her delegated representative in the reasonable performance of his/her duties.
- (6) All airport locations utilized for the sale or storage of products regulated by Chapter 414, RSMo shall be safe from fire and explosion and not likely to cause injury to the public or property. The director shall order any location not meeting the requirements of this section corrected, discontinued from use or removed.

*AUTHORITY:* section 414.142, RSMo Supp. 1993.\* Emergency rule filed Dec. 1, 1987, effective Jan. 1, 1988, expired March 1, 1988. Original rule filed Oct. 16, 1987, effective Feb. 11, 1988.

\*Original authority: 414.142, RSMo 1987, amended 1993.