

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

PROPOSED AMENDMENT

2 CSR 90-30.040 Quality Standards for Motor Fuels. The director is amending the summary statement, amending (1)(C)5, amending (1)(C)5(E), and deleting (1)(C)5(G), (1)(C)5(H), (1)(C)5(I), (1)(C)5(J), and (1)(C)5(K).

PURPOSE: These amendments will update the summary statement by removing obsolete designation numbers which conflict with state statute 414.032 RSMo, removes the sunset date on the vapor pressure exemption allowed for ethanol blended gasoline, removes obsolete terms used for gasoline grades and octane rating for premium that conflict with state statute 414.255, RSMo, and removes more obsolete designation numbers which conflict with state statute 414.032, RSMo.

SUMMARY: [American Society for Testing and Materials (ASTM) Designation: D 4814-88a addresses standard specifications for the properties of automotive spark-ignition engine fuel. ASTM Designation: No. D 910-88a addresses standard specifications for the properties of aviation gasoline. ASTM Designation: D 1655-88a addresses standard specifications for the properties of aviation turbine fuel. ASTM Designation: D 975-88 addresses standard specifications for the properties of all diesel fuel. ASTM Designation: D 396-86 addresses standard specifications for the properties of all kerosene. The number immediately following the designated specification number indicates the year of original adoption or, in the case of revision, the year of last revision.] 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%) to ten percent (10%) ethanol, a vapor pressure tolerance not exceeding one pound per square inch (1.0 psi) is allowed 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 [September 16, 2018, or until] ASTM incorporates changes to the vapor pressure maximums for ethanol blends[, whichever occurs earlier];

(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±M)/2 octane rating of automotive gasoline grades and gasoline-oxygenate blended grades shall be no less than the following:

- | | |
|-------------------------|-----|
| [1. Sub-Octane Unleaded | 86; |
| 2]1. Regular Unleaded | 87; |
| [3. Regular Leaded | 88; |

and]

[4.]2. Premium, **Super, Supreme** [Unleaded]

[90] 91;

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

[(G) All aviation gasoline shall meet the requirements in the Annual Book of ASTM Standards, Designation: D 910-88a;

(H) All aviation turbine fuel shall meet the requirements in the Annual Book of ASTM Standards, Designation: D 1655-88a;

(I) All diesel fuel shall meet the requirements in the Annual Book of ASTM Standards, Designation: D 975-88;

(J) All fuel oils shall meet the requirements in the Annual Book of ASTM Standards, Designation: D 396-86; and

(K) All kerosene shall meet the requirements in the Annual Book of ASTM Standards, Designation: D 3699-88.]

*AUTHORITY: section 414.142, RSMo 2000, and section 414.300, RSMo Supp. 2015. * 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.*

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

PUBLIC COST: These proposed amendments will not cost public entities more than five hundred (\$500) in the aggregate.

PRIVATE COST: These proposed amendments will not cost private entities more than five hundred (\$500) in the aggregate.

*NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to these proposed amendments with Mr. Ronald G. Hayes, Division Director, Weights, Measures and Consumer Protection Division, P.O. Box 630, Jefferson City, MO 65102 or online at Agriculture.MO.Gov/proposed-rules/. To be considered, comments must be received within thirty (30) days after publication of this notice in the **Missouri Register**. No public hearing is scheduled.*