

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

**PROPOSED AMENDMENT**

**2 CSR 90-30.040 Quality Standards for Motor Fuels.** The division is amending section (1).

*PURPOSE: This amendment changes the vapor pressure tolerance for ethanol blended fuels containing nine percent (9%) or up to and including fifteen percent (15%) ethanol per U.S. EPA 40 CFR 80.27(d).*

(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%)]* **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.

*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.*

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

*PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.*

*PRIVATE COST: This proposed amendment will not cost private entities more than five hundred dollars (\$500) in the aggregate.*

*NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with Missouri Department of Agriculture, Weights, Measures and Consumer Protection Division, Fuel Quality Program, PO Box 630, Jefferson City, MO 65102, or online at [Agriculture.Mo.Gov/proposed-rules/](http://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.*