#### Corrected Form 400 submitted on January 23, 2018 STATE OF CALIFORNIA-OFFICE OF ADMINISTRATIVE LAW For use by Secretary of State only (See instructions on NOTICE PUBLICATION/REGULATIONS SUBMISSION reverse) STD. 400 (REV. 01-2013) REGULATORY ACTION NUMBER **EMERGENCY NUMBER** NOTICE FILE NUMBER OAL FILE Z-2016-0609-01 NUMBERS For use by Office of Administrative Law (OAL) only NOTICE REGULATIONS AGENCY FILE NUMBER (If any) AGENCY WITH RULEMAKING AUTHORITY California Department of Food and Agriculture A. PUBLICATION OF NOTICE (Complete for publication in Notice Register) FIRST SECTION AFFECTED 2. REQUESTED PUBLICATION DATE 1. SUBJECT OF NOTICE TITLE(S) 4001- 4000 10 Natural Gas Motor Vehicle Fuels 4 TELEPHONE NUMBER FAX NUMBER (Optional) 3. NOTICE TYPE Notice re Proposed 4. AGENCY CONTACT PERSON (916) 229-3026 Pamela Fitch (916) 229-3000 Other Regulatory Action PUBLICATION DATE **ACTION ON PROPOSED NOTICE** NOTICE REGISTER NUMBER OAL USE Approved as Approved as Disapproved B. SUBMISSION OF REGULATIONS (Complete when submitting regulations) 1a. SUBJECT OF REGULATION(S 1b. ALL PREVIOUS RELATED OAL REGULATORY ACTION NUMBER(S) Natural Gas Motor Vehicle Fuels 2017-0623-015 2. SPECIFY CALIFORNIA CODE OF REGULATIONS TITLE(S) AND SECTION(S) (Including title 26, if toxics related) ADOPT SECTION(S) AFFECTED 4002.10, 4192, 4193, 4206, 4207 4002·10, 4206, 4207 pg 1/22/18 (List all section number(s) AMEND individually. Attach 4200,4201 40017 additional sheet if needed.) REPEAL TITLE(S) 4 3. TYPE OF FILING Regular Rulemaking (Gov. Certificate of Compliance: The agency officer named Emergency Readont (Gov. Changes Without Regulatory Code §11346) below certifies that this agency complied with the Code, §11346.1(h)) Effect (Cal. Code Regs., title Resubmittal of disapproved or provisions of Gov. Code §§11346.2-11347.3 either 1,5100) withdrawn nonemergency before the emergency regulation was adopted or File & Print Print Only filing (Gov. Code 5511349.3, within the time period required by statute. 11349.4) Resubmittal of disapproved or withdrawn Emergency (Gov. Code, Other (Specify) emergency filing (Gov. Code, §11346.1) 911346.1(b)) 4. ALL BEGINNING AND ENDING DATES OF AVAILABILITY OF MODIFIED REGULATIONS AND/OR MATERIAL ADDED TO THE RULEMAKING FILE (Cal. Code Regs. title 1,544 and Gov. Code § 11347.1] See attached document for list of all beginning and ending dates - too many to list in this section. 5. EFFECTIVE DATE OF CHANGES (Gov. Code, §§ 11343.4, 11346.1(d); Cal. Code Regs., title 1, §100) Effective January 1, April 1, July 1, or Effective on filing with Effective §100 Changes Without October 1 (Gov. Code §11343.4(a)) Secretary of State Regulatory Effect other (Specify) 6. CHECK IF THESE REGULATIONS REQUIRE NOTICE TO, OR REVIEW, CONSULTATION, APPROVAL OR CONCURRENCE BY, ANOTHER AGENCY OR ENTITY Fair Political Practices Commission State Fire Marshall Department of Finance (Form STD. 399) (SAM §6660) Other (Specify) 7. CONTACT PERSON TELEPHONE NUMBER FAX NUMBER (Optional) E-MAIL ADDRESS (Optional) Pamela Fitch (916) 229-3000 (916) 229-3026 Pamela.Fitch@cdfa.ca.gov For use by Office of Administrative Law (OAL) only I certify that the attached copy of the regulation(s) is a true and correct copy of the regulation(s) identified on this form, that the information specified on this form is true and correct, and that I am the head of the agency taking this action, or a designee of the head of the agency, and am authorized to make this certification. SIGNATURE OF AGENCY HEAD OR DESIGNEE January 22, 2018 Kevin Masuhara, Acting Undersecretary

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# Chapter 1. Tolerances and Specifications for Commercial Weighing and Measuring Devices Article 1. National Uniformity, Exceptions and Additions

### § 4001. Exceptions.

The following regulations in Handbook 44 are not adopted or incorporated by reference:

- S.1.3.1.1. Compressed Natural Gas Used as an Engine Fuel.
- S.1.3.1.2. Liquefied Natural Gas Used as an Engine Fuel.
- S.5.2. Marking of Equivalent Conversion Factors for Compressed Natural Gas.
- S.5.3. Marking of Equivalent Conversion Factor for Liquefied Natural Gas.
- UR.3.1.1. Marking of Equivalent Conversion Factors for Compressed Natural Gas.
- UR.3.1.2. Marking of Equivalent Conversion Factor for Liquefied Natural Gas.

Appendix D. Definitions for:

Diesel Gallon Equivalent (DGE).

Gasoline Gallon Equivalent (GGE).

Note: Authority cited: Sections 12027 and 12107, Business and Professions Code. Reference: Section 12107, Business and Professions Code.

### § 4002. Additional Requirements.

- § 4002.10. Mass Flow Meters. (3.37.)
- S.1.3.1.1. Compressed Natural Gas Used as an Engine Fuel. When compressed natural gas is dispensed as an engine fuel, the delivered quantity shall be indicated in "gasoline gallon equivalent (GGE) units." (Also see Appendix D definitions.)
- S.1.3.1.2. Liquefied Natural Gas Used as an Engine Fuel. When liquefied natural gas is dispensed as an engine fuel, the delivered quantity shall be indicated in "diesel gallon equivalent (DGE) units." (Also, see Appendix D definitions.)
- S.5.2. Marking of Gasoline Volume Equivalent Conversion Factors for Compressed Natural Gas. A device dispensing compressed natural gas shall have the statement "1 Gasoline Gallon Equivalent (GGE) equals 5.66 lb of Compressed Natural Gas" permanently and conspicuously marked on the face of the dispenser.
- S.5.3. Marking of Diesel Volume Equivalent Conversion Factors for Liquefied Natural Gas. A device dispensing liquefied natural gas shall have the statement "1 Diesel Gallon Equivalent (DGE) equals 6.06 lb of Liquefied Natural Gas" permanently and conspicuously marked on the face of the dispenser.
- <u>UR.3.1.1.</u> Marking of Equivalent Conversion Factor for Compressed Natural Gas. A device dispensing compressed natural gas shall have the statement "1 Gasoline Gallon Equivalent (GGE) ) equals 5.66 lb of Compressed Natural Gas" permanently and conspicuously marked on the face of the dispenser.
- U.R.3.1.2. Marking of Equivalent Conversion Factor for Liquefied Natural Gas. A device dispensing liquefied natural gas shall have the statement "1 Diesel Gallon Equivalent (DGE) equals 6.06 lb of Liquefied Natural Gas" permanently and conspicuously marked on the face of the dispenser.
- Appendix D Definitions: diesel gallon equivalent (DGE). Diesel gallon equivalent (DGE) means 6.06 pounds of natural gas. [3.37]

<u>Appendix D – Definitions: gasoline gallon equivalent (GGE). Gasoline gallon equivalent (GGE) means 5.66 pounds of natural gas. [3.37]</u>

Note: Authority cited: Sections 12027 and 12107, Business and Professions Code. Reference: Sections 12107, 13400, and 13404, Business and Professions Code.

### Chapter 7. Advertising and Labeling of Gasoline and Other Motor Vehicle Fuels

#### § 4200. Advertising Medium.

"Advertising medium," as used in this chapter, includes banner, sign, placard, poster, streamer and card, whether or not mounted, whether appearing on the same or different standards, or whether or not physically connected with each other, provided the advertised statements can reasonably be read as one advertising message.

NOTE: Authority cited: Sections12027-and 12609, Business and Professions Code. Reference: Sections 13531, 13532, 13533, 13534, 13535, 13536, 13536, 13537, 13538, 13539, and 13540, Business and Professions Code.

#### § 4201. Price Sign Display on Dispensing Apparatus.

In addition to the requirements of Sections 13470 and 13480, Business and Professions Code, any sign referring to the price of gasoline or other motor vehicle fuel displayed on any dispensing apparatus from which gasoline or other motor vehicle fuel is being offered for sale or sold, shall be limited to the following:

- (a) Actual price per gallon, liter, gasoline gallon equivalent (GGE), or diesel gallon equivalent (DGE), and
- (b) Conversion chart information required for liter sales per Section 13470.5, Business and Professions Code.
- (c) Brand name and the name of the product may be displayed.

NOTE: Authority cited: Sections 12027-and 12609, Business and Professions Code. Reference: Sections 13470, 13470.5 and 13480, Business and Professions Code.

### § 4206. Dispenser Labeling Requirements for Compressed Natural Gas and Liquefied Natural Gas.

- (a) Definitions Used in This Section:
- (1) "Consumer" means, with respect to any item, the first person who purchases such item for purposes other than resale.
- (2) "Fuel dispenser" means the dispenser through which a retailer sells the fuel to a consumer.
- (3) "Methane Number" means the antiknock index of compressed natural gas or liquefied natural gas motor vehicle fuel. The Methane Number of compressed natural gas or liquefied natural gas is a calculated value determined by the chemical composition of the fuel, including inert components.

(4) "MWM Method" means the algorithm for the calculation of the Methane Number of a natural gas fuel from its composition. The MWM Method algorithm is available in the European Committee for Standardization (CEN) standard EN 16726 "Gas infrastructure - Quality of gas - Group H" (EN16726), Annex A, pages 9 through 30, published 12-16-2015. Annex A (pages 9 through 30) of EN16726, published 12-1 -2015, is herein incorporated by reference.

A spreadsheet calculator implementing the MWM Method algorithm and a pdf file of instructions for its use ("readme.pdf") are available for download at no cost at:

http://euromot.org/media\_and\_events/publications/mn.

- (5) "Minimum MWM Methane Number" means the lowest MWM Methane Number of natural gas fuel offered for retail sale.
- (6) "Producer" means any person who purchases component elements and combines them to produce and market natural gas motor vehicle fuels.
- (7) "Retailer" means any person who markets natural gas motor vehicle fuels to the general public for ultimate consumption.
- (b) The name of the product and grade designation, if any, shall be conspicuously displayed on each customer side of all natural gas fuel dispensers. For all natural gas fuels, the name of the product and grade designation, if any, shall also appear on all advertising signs and storage tank labels as required in Sections 13480 and 13532 of the Business and Professions Code.
- (c) (1) A person shall not sell at retail to the general public any compressed or liquefied natural gas for use as a motor vehicle fuel from any place of business in this state unless there is displayed and labeled on the fuel dispenser in a conspicuous place on the customer side the following statement: "MINIMUM METHANE NUMBER XX BY THE MWM METHOD (4 CCR 4206)," where XX is the MWM Methane Number of the dispensed natural gas fuel expressed in a number rounded down to a whole number. This statement shall be displayed in Helvetica Black or equivalent font type with characters not less than 1/2 inch in height.
- (2) Natural gas motor vehicle fuel producers shall be responsible for determining the minimum MWM Methane Number to be displayed for the fuel they produce for retail sale to the general public. In making this determination, they may rely on information received from the utility supplying the pipeline gas used to produce their fuel, independent laboratory testing of the composition of the pipeline gas, or any other reliable information available to them. The minimum MWM Methane Number shall be accurate at all times.
- (d) (1) A person shall not sell at retail to the general public any compressed natural gas for use as a motor vehicle fuel from any place of business in this state unless there is displayed and labeled on the fuel dispenser in a conspicuous place on each customer side the following statement: "1 Gasoline Gallon Equivalent (GGE) equals 5.66 lb of Compressed Natural Gas".

- (2) The statement "1 Gasoline Gallon Equivalent (GGE) equals 5.66 lbs. of Compressed Natural Gas" shall be in characters of Helvetica Black or equivalent font type, no less than 3/4 inch in height and on a contrasting background. All lines or marks used in the making or forming of all the characters which are a part of the label shall be at least one-eighth of an inch in width.
- (e) (1) A person shall not sell at retail to the general public any liquefied natural gas for use as a motor vehicle fuel from any place of business in this state unless there is displayed and labeled on the fuel dispenser in a conspicuous place on each customer side-the following statement: "1 Diesel Gallon Equivalent (DGE) equals 6.06 lb of Liquefied Natural Gas".
  - (2) The statement "1 Diesel Gallon Equivalent (DGE) equals 6.06 lbs. of Liquefied Natural Gas" shall be in characters of Helvetica Black or equivalent font type, no less than 3/4 inch in height and on a contrasting background. All lines or marks used in the making or forming of all the characters that are a part of the label shall be at least one-eighth of an inch in width.

NOTE: Authority cited Sections 12027 and 13480, Business and Professions Code. Reference: Sections 13400, 13404, 13440, 13451, 13470, 13532, and 13536, Business and Professions Code.

## § 4207. Additional Dispenser Labeling Requirements for Liquefied Natural Gas and Compressed Natural Gas.

The labeling of all natural gas dispensers shall meet the following retail sale requirements of the Federal Trade Commission for the natural gas fuel rating:

- (a) 16 CFR Part 306 "Automotive Fuel Ratings, Certification and Posting," for liquefied natural gas.
- (b) 16 CFR Part 309 "Labeling Requirements for Alternative Fuels and Alternative Fueled Vehicles," for compressed natural gas.

NOTE: Authority cited Sections 12027 and 13480, Business and Professions Code. Reference: Sections 12026, 13400, 13480, 13590, and 13591, Business and Professions Code.