



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

April 10, 2017

DMS NOTICE
D-17-03
Discard: Retain

TO: WEIGHTS AND MEASURES OFFICIALS

SUBJECT: Seeking Test Data on Hydrogen Gas-Measuring Devices

The Division of Measurement Standards (DMS) seeks test data for hydrogen gas-measuring devices (hydrogen dispensers) from counties with open retail hydrogen stations. Currently, there are 25 retail stations open in Alameda, Los Angeles, Nevada, Marin, San Bernardino, Santa Barbara, and Yolo counties, with more scheduled to open soon. See the California Fuel Cell Partnership website for a complete list on open stations and stations under construction: <http://cafcp.org/stationmap>.

DMS is aware that county staff currently “witness test” the examination of hydrogen dispensers conducted by service agents, but we still ask for your data to ensure we get complete and accurate information that will be necessary in an upcoming DMS rulemaking activity.

In 2014, California regulations (California Code of Regulations, Title 4, Division 9, Chapter 1, Article 1, § 4002.9) were amended to widen the accuracy tolerances for hydrogen dispensers to facilitate the introduction and acceptance of this alternative vehicle fuel. However, after January 1, 2020 any new hydrogen dispensers installed must meet very tight tolerances ($\pm 1.5\%$ acceptance and $\pm 2.0\%$ maintenance). Data collected by DMS during recent type evaluations indicate the 2020 tolerances will prohibit the installation of new hydrogen dispensers; therefore, DMS must initiate rulemaking in 2018 – 2019. The data collected by each county will be used to determine the appropriate tolerance values.

Specifically, we ask for test data on every dispenser within your jurisdiction (initial verification and every annual compliance test thereafter) until further notice. Any written format is acceptable provided it includes all of the following information:

- 1) Date of test and location of dispenser(s)
- 2) Dispenser model(s) and serial number(s)
- 3) Dispenser indicated mass of delivery
- 4) Corrected weigh scale mass indication (as determined by the standard weight applied)
- 5) Error of dispenser delivery as determined by the formula:
 - meter indication - standard / standard X 100 = percent error of indicated delivery



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Please send your test data to Norman Ingram, DMS Measurement Standards Specialist III at norm.ingram@cdfa.ca.gov. If you have any questions, please contact Norm by phone at (916) 229-3016 or (916) 229-3000.

Sincerely,

Kristin Macey
Director

cc: Gary Leslie, County/State Liaison