



Correspondence / Memorandum

Date: April 24, 2012

To: Wisconsin Operators of CNG Retail Motor Fuel Devices

From: Judy Cardin, Chief
Regulation & Safety Section

Subject: Weights and Measures Requirements for CNG Motor Fuel Meters

Measuring devices for all retail motor fuel, including gas, diesel and CNG, are required to meet the same types of weights and requirements to ensure clear and accurate fuel delivery to the consumer. Here is a brief summary of these requirements. Links to the regulatory documents are listed after the summary.

Device Specification and Technical Requirements

- Device must meet all requirements of National Institute of Standards and Technology Handbook 44, Section 3.37, which include:
 - Device Specifications
 - GGE (gasoline gallon equivalent) is the required unit of measurement
 - Operating Requirements
 - Display and recording of unit price, product identity, volume of delivery, etc.
 - Discharge lines and valves
 - Marking Requirements
 - Test Procedures
 - Accuracy Tolerances
- Device model evaluated and issued a Certificate of Conformance by NTEP, (National Type Evaluation Program)

Device Installation and Maintenance

- Device installed by a Wisconsin Weights and Measures Service Company, licensed by DATCP for CNG devices.
 - Service Technician employed by licensed Service Company that installs and test the device must be registered for CNG meters with DATCP.
 - Service Company must have CNG test equipment tested and approved by the Wisconsin Metrology laboratory, or other Wisconsin approved lab traceable to NIST.
 - Service Company should follow NIST EPO No. 28 for testing.
- Device must be maintained by licensed service company and registered technician.
- Device owners can license as a service company

Wisconsin weights and measures legal requirements for CNG meters are described in detail in:

Wisconsin Statutes ch. 98:

<http://docs.legis.wisconsin.gov/statutes/statutes/98>

Wisconsin Administrative Code ATCP 92:

http://docs.legis.wisconsin.gov/code/admin_code/atcp/92

National Type Evaluation Program Certificate of Conformance

<http://www.nwm.net/certificates>

National Institute of Standards and Technology (NIST) Handbook 44-Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices,

<http://www.nist.gov/pml/wmd/pubs/upload/3-37-12-hb44-final.pdf>

NIST HB 112 –Examination Procedure Outlines for Commercial Weighing and Measuring Devices, EPO No. 28- available upon request: judy.cardin@wi.gov