



Oregon

Theodore R. Kulongoski, Governor

Department of Agriculture

635 Capitol Street NE
Salem, OR 97301-2532



July 21, 2005

To: Petroleum Loading Terminal Facilities

RE: Temperature Determination on Wholesale Meters

In the course of the Oregon Department of Agriculture, Measurement Standards Division's routine examinations of refined petroleum wholesale loading terminal meters, we have found instances where there is no accommodation to obtain the temperature of the product at the meter during a test. The temperature of the product at the meter is very important in determining the actual performance of the system and thus a fair measurement for both the buyer and the seller.

Meters used in wholesale applications are required to have a means to determine the temperature of the liquid product, commonly known as a thermometer well, either in the liquid chamber of the meter or immediately adjacent to the meter in the meter inlet or discharge line. Even if you have a temperature probe at the meter, a thermometer well is required. The thermometer well is used when testing the meter as a means to verify the temperature recorded from the probe.

To help accommodate businesses to comply with this requirement, the Measurement Standards Division will allow until July 1, 2006 for them to upgrade their refined petroleum wholesale terminal meters. If a wholesale meter system does not comply with this requirement following this date, it will not be tested and it will be rejected.

If you have any questions regarding this requirement, please contact our office at 503-986-4670. Thank you.

Measurement Standards Division

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