



# County of Bucks

## DEPARTMENT OF CONSUMER PROTECTION / WEIGHTS & MEASURES

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County Commissioners

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### **MEMO: RETAIL FUEL DISPENSER INSTALLATIONS AND REPAIRS**

**REGISTRATION FEE:** Beginning January 2001 all weights and measures devices in commercial use in Bucks County must be registered with the Bucks County Department of Weights and Measures. Each device requires a certain annual fee to be paid. Invoices will be sent to businesses in the early part of each year. The registration fee for fuel dispensers is \$50.00 per dispenser fueling point. A fueling point is where a vehicle or container is being fueled, regardless of the number of hoses.

**Extracts** from Pennsylvania Consolidated Weights and Measures Act 155 of 1996, and the National Institutes of Standards and Technology Handbook 44, 2000 Edition.

- 1. UNIT PRICING MUST BE ON PUMP:** On each face of the device the price at which the product is offered for sale must be indicated. If offered for sale from a device at more than one unit price, then all of the unit prices at which that product is offered for sale shall be displayed.
- 2. SELECTION OF UNIT PRICE:** When a product is offered for sale from a device at more than one unit price, then all of the unit prices at which that product is offered for sale shall be displayed or shall be capable of being displayed on the dispenser using controls available to the customer prior to the delivery of the product. (Effective and non-retroactive as of January 1, 1991).
- 3. MONEY-VALUE COMPUTATIONS:** A device shall compute the total sales price at any single purchase unit price for which the product is offered for sale.
- 4. PRICE DISPLAY AND ADVERTISEMENT:** No advertised price may be represented in a manner calculated to mislead or deceive the public. The fraction of a cent on the advertised cents per gallon must be adjacent to the whole cent and at least one-half the height of the numerals representing the whole cents.
- 5. PRODUCT IDENTITY:** A device shall conspicuously display the identity of the product dispensed on each side of the device. This includes octane rating.
- 6. INDICATIONS, COMPUTATIONS AND OPERATION MUST BE OBSERVABLE:** The indications on the device cannot be obliterated or obscured from the customer's view.
- 7. ZERO-SET-BACK INTERLOCK:** After a delivery cycle has been completed, an automatic zero-set-back interlock shall prevent a subsequent delivery until indicating elements have returned to zero.

8. **DISCHARGE HOSE AND ANTI-DRAIN VALVE:** The length of the discharge hose cannot exceed 18 feet and must be adequately reinforced. Antidrain valve and nozzle must not leak.
9. **TOTALIZERS FOR RETAIL MOTOR-FUEL DISPENSERS:** A retail motor fuel dispenser shall be equipped with a non-resettable totalizer to cumulatively register the quantity delivered through the device. Adequate provision shall be made for sealing a mechanical totalizer in such a manner that the quantity registration on the totalizer cannot be affected.
10. **REPAIRS AND INSTALLATION NOTIFICATION IS THE REPAIR PERSON OR INSTALLER'S RESPONSIBILITY:** The Weights and Measures Office must be notified within 48 hours of installation of new equipment or repairs to existing equipment. After notification, the owner(s) may use the device for a period not to exceed fifteen (15) days while waiting for Weights and Measures inspection of the device.
11. **STORAGE TANKS MUST BE PERMANENTLY IDENTIFIED AND MARKED:** A color code may be utilized; however, the code key must be conspicuously displayed at the place of business.
12. **THE MEASURE TEST:** The official test on a gas pump is performed by utilizing a precisely calibrated 5-gallon field test measure graduated in cubic inches. Two test drafts, one at full flow and another one at slow flow, are dispensed through the pump.
13. **MEASURE TEST TOLERANCES:** For pumps currently in use longer than 30 days, a tolerance of plus or minus 6 cubic inches is allowed on a 5-gallon test draft. For new pumps, newly reconditioned pumps and pumps being returned to service after official rejection, a plus or minus 3 cubic inch tolerance is allowed. When adjustments are made, the effect should be to adjust as closely as practicable to zero error.
14. **PROVISION FOR SEALING:** Adequate provision shall be made for an approved means of security in such a manner that no adjustment may be made of any measurement element or any adjustable element for controlling delivery rate when such rate tends to affect the accuracy of delivery. It is the owner's responsibility to have a security seal affixed at all times.
15. **HELPFUL REMINDER TO SERVICE STATION OWNERS/MANAGERS:** If you find your device is not working properly, it is your duty to have it repaired then, not just when a weights and measures inspector rejects it. If you cannot make the necessary adjustments yourself, then you should secure the assistance of a reputable repair service.