

Procedure for Adding a Meter to the MDEQ List of Approved Meters for Irrigation, Fish Culture, and Wildlife Management Wells

Any meter manufacturer may request that a fixed flowmeter be added to the MDEQ List of Approved Meters. The request will be granted and the meter will be added to the list if the meter meets all the following minimum requirements:

- 1) The meter has been certified by the manufacturer to register neither less than 98 percent nor more than 102 percent of the actual volume of water passing the meter when installed according to the manufacturer's instructions. This requirement shall be met throughout the water meter's normal operating range without further adjustment or calibration.
- 2) The manufacturer has certified to MDEQ that it has an effective quality assurance program, including wet testing a random sample of production line meters with water flowmeter test equipment.
- 3) The manufacturer has certified that the water flowmeter test equipment described in paragraph 2 has been tested annually and found accurate by standards traceable to the National Institute of Standards and Technology (NIST).
- 4) The meter shall be protected by the following:
 - a) A seal installed by the manufacturer or an authorized representative of the manufacturer; or
 - b) A mechanism that makes it impossible to alter the totalizer reading without breaking the seal or obtaining the authorization of the manufacturer or an authorized representative of the manufacturer.
- 5) The meter shall:
 - a) Clearly indicate the direction of water flow;
 - b) Clearly indicate the serial number of the water flowmeter;
 - c) Have a weatherproof register that is sealed from all water sources;
 - d) Have a register that is readable at all times, whether the system is operating or not;
 - e) Have a totalizer with units specified;
 - f) Be equipped with overrun bearings;
 - g) Be able to be sealed to prevent unauthorized manipulation of, tampering with, or removal of the meter.