



DIVISION OF WATER RESOURCES

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DATE: APRIL 1, 2008

To: APPROVED WELL TESTERS
GROUND WATER ASSOCIATIONS
ASSOCIATION CONSULTANTS

FROM: CHRISTINE M. LYTLE, GROUND WATER OPERATIONS COORDINATOR
DIVISION OF WATER RESOURCES, DIVISION 2

SUBJECT: MEASUREMENT RULE POLICY 2008-03.0A

- ◆ ALLOWABLE VARIANCE TO AMENDED MEASUREMENT RULE 3: HOURLY METERS
- ◆ **EFFECTIVE DATE: APRIL 11, 2008**

PURPOSE

This MEASUREMENT RULE POLICY pertains to RULE 3 of the AMENDED RULES GOVERNING THE MEASUREMENT OF TRIBUTARY GROUND WATER DIVERSIONS LOCATED IN THE ARKANSAS RIVER BASIN (AMENDED MEASUREMENT RULES). RULE 3 states that all WELLS subject to the AMENDED MEASUREMENT RULES must either have a TOTALIZING FLOW METER (TFM) or be rated for a POWER CONSUMPTION COEFFICIENT (PCC).

PRIVATELY-OWNED TIME METERS includes any meter that records operating time of a mechanical device, such as a pump. Operating time may be measured in hours or minutes but collectively such meters are known as **HOURLY METERS**. Use of **HOURLY METERS**, in addition to or in lieu of a TFM or a PCC for a POWER COMPANY METER, will be approved only for the ALLOWABLE USES stated below.

This POLICY repeals and replaces:

- ◆ MEASUREMENT RULE POLICY 2006-03.0A "ALLOWABLE VARIANCE TO AMENDED MEASUREMENT RULE 3: ELECTRIC HOURLY METERS"
 - Dated February 15, 2006 Repealed and Replaced in its entirety

Changes from previous policies related to this issue include:

- ◆ **A phased elimination of the use of HOURLY METERS:**
 - No additional **HOURLY METERS** will be allowed as valid MEASUREMENT METHODS effective immediately.
 - Existing **HOURLY METERS** must be replaced by the expiration of the current MEASUREMENT TEST.
 - Because verification of **HOURLY METERS** is dependent upon determining a POWER CONSUMPTION COEFFICIENT, HOURLY METERS are subject to AMENDED MEASUREMENT RULE 3.2 which requires a two-year testing cycle.

ALLOWABLE USES OF HOUR METERS

HOUR METERS ARE **prohibited** for use on **COMPLEX SYSTEMS**. **COMPLEX SYSTEMS** are defined by the AMENDED MEASUREMENT RULES as those " ... where the total dynamic head at the pump will vary due to multiple discharge locations in a pipeline, or where the method of delivery will vary between open discharge, gated pipe, or sprinkler system during a single irrigation season, or where multiple wells discharge into a common pipeline."

EXISTING HOUR METERS

PRIVATELY-OWNED HOUR METERS **currently in-place** and previously-approved for use, will **continue to be allowed** on systems where more than one device is operated by a POWER COMPANY ELECTRIC METER (COMPOUND SYSTEM) **provided that** the WELL is not part of a COMPLEX SYSTEM.

On or **before the expiration date of the currently approved MEASUREMENT TEST, existing HOUR METERS must be replaced** by a TFM, verified by a CERTIFIED WATER WELL METER TESTER, or a PCC rating for the POWER COMPANY METER must be established by a CERTIFIED WATER WELL METER TESTER.

NEW HOUR METERS

New HOUR METERS, whether as a replacement to a previous HOUR METER or as a newly-installed MEASURING DEVICE, **will not be approved** as meeting the requirements of the AMENDED MEASUREMENT RULES.

If you have questions about this or other MEASUREMENT RULE POLICIES, contact DIVISION 2 GROUND WATER OPERATIONS at 719.542.3368: Dan DiRezza (Ext. 2202), Dale Baker (Ext. 2121) or Chris Lytle (Ext. 2108).