

Groundwater Substitution

Issue No. 12 - DRAFT Measuring Well Output

Recommendations for 2010

For Agricultural Area Water Transfer Participants

- An instantaneous reading and totalizing flow meter shall be installed on each well participating in groundwater substitution water transfers.
 - Each flow meter shall be in good working order and properly sized, positioned, and oriented on the discharge piping to ensure accurate measured flows.
 - Discharge piping shall be configured to ensure that pipe full-flow conditions are met where the meter is installed.
 - the manufacturer's standards for calibration, sizing, positioning, and orientation for each type of meter shall be followed
- Following proper installation, each meter shall be field calibrated to verify that it is measuring flow accurately prior to use in a transfer.
- A photo of each well flow meter installation, including well and associated plumbing, shall be provided for each well participating.
- Each well flow meter installation shall be certified by a Professional Engineer (PE) or Professional Geologist (PG) experienced in groundwater and wells as being properly sized, positioned, and calibrated in conformance with the manufacturer's standards prior to use. The Agencies may conduct independent field checks of meter installations to verify the information provided and that manufacturer's standards are met.

For Urban Area Water Transfer Participants

- Sellers regulated by the California Department of Public Health which meet public water system engineering requirements/ standards for water meter installations should submit information (*to be determined after 10/8/2009*) that confirms they meet those requirements.

