

Keen, Shelley

From: Yenter, Cindy
Sent: Friday, May 22, 2009 9:17 AM
To: Keen, Shelley
Subject: City of Paul measuring device

Shelley -

I have confirmed that the measuring device on the City of Paul well pursuant to draft license 36-8763, was installed on the downstream (delivery) side of the storage tank, consistent with the examiner's statements. This was done due to insufficient space in the pumphouse at the wellhead.

The ESPA measurement requirement does specify measurement at or near the wellhead. Water District 130 has approved installation of flowmeters downstream from storage tanks on municipal or community domestic systems from ground water. If the well(s) are diverting to storage under constant conditions, the wellhead diversion rate can be confirmed or reasonably estimated, and if the flow meter(s) are measuring the entire volume diverted by the system, the totalizing measurement requirement is considered satisfied.

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This explains why the WMIS flow measurements are $\frac{1}{3}$ or less of the system capacity. The WMIS measurements are of the discharge from the storage tank, not the diversions into the tank. The installed device is okay to meet the permit requirement.

S.W. Keen
5/22/2009