3. Description of Water Measurement Best Professional Practices

Best Professional Practices refer to:

- Collection of water measurement data: By staff members trained and supervised by the superintendent.
- Frequency of measurements: Daily while in use. All meters read monthly at a minimum.
- Method for determining irrigated acres: Provided by customers, checked by aerial photographs.
- Quality control and quality assurance procedures:
  - Cross check daily flowrate versus customer order. Sum all turnout reading monthly. Investigate and attempt to correct identified differences.
  - Sum all running meters daily and compare versus DWR meters by Service Area. Investigate and attempt to correct identified differences. Repair all meters found not functioning properly per manufacturer's recommendations.

All of the turnout deliveries within the District are fully metered with propeller flowmeters which register both instantaneous and totalized flows.

The District maintains daily delivery records for each turnout being used and maintains records of daily water orders from the SWP. A grower's water use to date and remaining allocation is maintained by the District's comprehensive database system (Latis). The system helps manage water orders, water use, water supply, water contract information, and water delivery system information.

4. Documentation of Water Measurement Conversion to Volume

All flowmeters used by BWSD register both instantaneous and totalized flows (volume accrued during a period of time).

5. Device Corrective Action Plan Required for Water Measurement

BWSD is confident its existing water measurement devices meet the ±12% accuracy standard, and replacement meters meet the ±6% accuracy standard. No corrective actions are planned.

B. Other Documents (as applicable)

Tables and appendices have been included as needed to support this AWMP document. Most of the tables follow the format suggested in the template given in the "A Guidebook to Assist Agricultural Water Suppliers to Prepare a 2012 Agricultural Water Management Plan". Additional tables and appendices provide complementary information where needed.