American Water Works Association
California-Nevada Section

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Validator Provided

Audit Information:

Utility: California-American Water Ventura District PWS ID: 56100140

System Type: Potable Audit Period: Calendar 2016

Utility Representation: Jay Burnett (Business Performance Manager), Patrick Pilz (Field Operations Manager), Chris Mattis (Operations Mgr.), Rick Saldivar, Mark Riefer

Validation Date: 7/31/2017 (original) 9/27/2018 (revised) Call Time: 1:00pm Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 72 Data Validity Band (Level): Band IV (71-90)

ILI: 1.44 Real Loss: 26.98 (gal/conn/day) Apparent Loss: 8.52 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 5.9%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Will Jernigan, P.E. Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

WSO CAVANAUGH Standards Through Innovation

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Water System Name: Ventura County District **Water System ID Number:** 56100140 **Water Audit Period:** Calendar 2016

Water Audit & Water Loss Improvement Steps:

The Ventura District 2016 Audit was revised per request of Todd Thompson from DWR. Data for the Las Posas system was removed Ventura District data and was re-validated by Cavanaugh Solutions.

Production meters are tested annually. 6-inch and larger service meters are tested annually. Additionally, 4-inch meters are tested every two years, 3-inch meters are tested every 3 years and 2-inch and 1-1/2-inch meters are tested every 4 years. Production meters are read weekly. The Ventura County District currently replaces all direct read meters with AMR/AMI meters. The District replaced 1,310 service meters in 2016 under an AMI Pilot Program.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Christopher Mattis	Director of Operations	Christopher J Mattis	10-1-18
Executive Name (Print)	Executive Position	Signature	Date

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