CAVANAUGH
Stewardship Through Innovation

AWWA 2017 Water Audit Level 1 Validation – Review Document

Validator Provided

Audit Information:

Utility: Tulare PWS ID: 5410015

System Type: Potable Audit Period: Fiscal Year 2017/18

Utility Representation: Benjamin Siegel, Tim Doyle

Validation Date: 8/28/2018 Call Time: 8:30 am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 58 Data Validity Band (Level): Band III (51-70)

ILI: 1.23 Real Loss: 12.64 (gal/conn/day) Apparent Loss: 10.00 (gal/conn/day)

Non-Revenue Water as a Percentage of Operating Costs: 1.4%

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: Drew Blackwell Validator Qualifications: Contractor for California Water Loss TAP

2017 AWWA Water Audit Level 1 Validation

Water System Name: Tulare **Water System ID Number:** 5410015 **Water Audit Period:** Fiscal Year 2017/18

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

The Utility has continued implementation of ongoing annual retail meter replacement program started in FY 2016/2017. Internal tracking of production water losses, loss estimates related to flushing activities and line break events are also ongoing. The City is also in early stages of developing a future GIS program it will use to more effectively track leaks and breaks.

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.

Trisha Whitfield	Director, Public Works		
Executive Name (Print)	Executive Position	Signature	Date 9/4/18