CAVANAUGH
Stewardship Through Innovation

2020 AWWA Water Audit Level 1 Validation – Review Document

Validator Provided

Audit Information:

Utility: Livermore PWS ID: 0110011

System Type: Potable Audit Period: Calendar 2020

Utility Representation: Dave Lennier

Validation Date: 8/10/2021 Call Time: 9:00am 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: 2.97 Real Loss: 45.54 (gal/conn/day) Apparent Loss: 10.27 (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: Larry Lewison Validator Qualifications: Contractor for California Water Loss TAP

2020 AWWA Water Audit Level 1 Validation

Water System Name: City of Livermore Water **Water System ID Number:** CA0110011 **Water Audit Period:** Calendar 2020

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:

We are continuing to update tracking of unbilled/unmetered consumption. We are using asset management software to identify aging infrastructure that may be leaking and in need of repair. Also, we are using AMI to improve data collection.

Utility Provided

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.

Anthony Smith	Acting Water Resources Division Manager		8/18/2021
Executive Name (Print)	Executive Position	Signature	Date