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: Redding PWS ID: 4510005

System Type: Potable Audit Period: Calendar 2016

Utility Representation: Josh Watkins, Mike Robertson, Andy Newherder, David Grasway, Dave Gagney, Sonya McKinney, Conrad

Validation Date: 8/3/2017 Call Time: 9:00am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 63 Data Validity Band (Level): Band III (51-70)

ILI: 2.67 Real Loss: 54.17 (gal/conn/day) Apparent Loss: 15.21 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 4.1%

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: Tory Wagoner Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

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Water System Name: City of Redding **Water System ID Number:** 4510005 **Water Audit Period:** Calendar 2016

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:

- Calibrated source meters
- Unidirectional flushing program
- Meter replacement 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.

Josh Watkins	Water Utility Manager		9/26/17
Executive Name (Print)	Executive Position	Signature	Date

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