2018 AWWA Water Audit Level 1 Validation

Water System Name: Nevada Irrigation District **Water System ID Number:** 2910006/ Loma Rica **Water Audit Period:** Calendar 2018

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:

In 2018 the District continued to monitor the SCADA Data through the Loma Rica and Elizabeth George intertie and adjust any anomalies that may have occurred. Per the recommendation from the 2017 water audit, the District performed volumetric displacement test and signal calibration on the Loma Rica effluent meter. The District will continue to perform volumetric displacement test and refine the test procedures to the AWWA M36 standards. The District continues to replace AMR meters with AMI meters and anticipates the complete replacement within five years.

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.

Remleh Scherzinger, P.E.	General Manager		9/11/19
Executive Name (Print)	Executive Position	Signature	Date

CAVANAUGH
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AWWA Water Audit Level 1 Validation – Review Document

Validator Provided

Audit Information:

Utility: Nevada Irrigation District – Loma Rica PWS ID: 2910006

System Type: Potable Audit Period: Calendar 2018

Utility Representation: Sue Sindt, Aurora Tipton, Kaycee Strong, Chip Close

Validation Date: 8/22/2019 Call Time: 8:00am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 68 Data Validity Band (Level): Band III (51-70)

ILI: 2.27 Real Loss: 54.32 (gal/conn/day) Apparent Loss: 7.85 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 0.9%

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: WAV Certified