## AWWA Water Audit Level 1 Validation

**Water System Name:** Nevada Irrigation District- Loma Rica **Water System ID Number:** 2910006 **Water Audit Period:** Calendar 2019

**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 2019 the District continued to replace AMR meters with AMI and is still projecting complete replacement in five years. Per the recommendation from the 2018 water audit, the District performed volumetric displacement testing and worked to refine the test procedure. The District will continue to refine the test procedure for future volumetric displacement test per the AWWA Manual M36-Appendix A. To ensure validity in the data, the District will also continue to monitor the transferred volumes between Loma Rica and E. George and adjust for any anomalies. In 2019 the District installed a new intertie to connect Loma Rica and Lake of the Pines. The District will monitor any usage through SCADA and adjust anomalies as needed. The District will also work on water loss management by performing random small meter testing in 2020.

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.**

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|---|---|---|---|
| Greg Jones | Interim General Manager | | 7/10/2020 |
| 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 2019

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

Validation Date: 7/1/2020 Call Time: 8:00am PT Sufficient Supporting Documents Provided: Yes

**Validation Findings & Confirmation Statement:**

**Key Audit Metrics:**

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

ILI: 2.08 Real Loss: 48.85 (gal/conn/day) Apparent Loss: 7.01 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 0.8%

**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