AWWA Water Audit Level 1 Validation

Water System Name: Nevada Irrigation District- E. George **Water System ID Number:** 2910004 **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. 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.

Greg Jones	Interim General Manager		7/10/2020
Executive Name (Print)	Executive Position	Signature	Date

CAVANAUGH
Stewardship Through Innovation

2019 AWWA Water Audit Level 1 Validation - Review Document

Validator Provided

Audit Information:

Utility: Nevada Irrigation District – E. George PWS ID: 2910004

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: 73 Data Validity Band (Level): Band IV (71-90)

ILI: 1.28 Real Loss: 31.13 (gal/conn/day) Apparent Loss: 8.51 (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