AWWA Water Audit Level 1 Validation

Water System Name: Nevada Irrigation District **Water System ID Number:** 2910014/Lake of the Pines **Water Audit Period:** 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:

The Loma Rica and Lake of the Pines was put into service in 2019, and staff closely monitored and estimates flows. The intertie is expected to be monitored by SCADA in early 2020. In 2019 the District continued working towards replacing AMR meters with AMI meters when units fail, and plans to increase meter replacements 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		3/5/21
Executive Name (Print)	Executive Position	Signature	Date

CAVANAUGH
Stewardship Through Innovation

AWWA Water Audit Level 1 Validation – Review Document

Validator Provided

Audit Information:

Utility: Nevada Irrigation District – Lake of Pines PWS ID: 2910014

System Type: Potable Audit Period: Validation conducted for **Calendar Year Audits 2018 and 2019**

Utility Representation: Aurora Tipton, Kaycee Strong

Validation Date: 2/3/2021 Call Time: 10:00am PT Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics for CY2018:

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

ILI: 1.34 Real Loss: 30.52 (gal/conn/day)

Apparent Loss: 8.63 (gal/conn/day)

NRW as percent of cost of operating system: 1.0%

Key Audit Metrics for CY2019:

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

ILI: 1.50 Real Loss: 29.65 (gal/conn/day)

Apparent Loss: 8.21 (gal/conn/day)

NRW as percent of cost of operating system: 0.7%

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