CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Utility Provided

Water System Name: Liberty Utilities Apple Valley (Apple Valley Ranchos Corp.) **Water System ID Number:** 3610003 **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:

33% of the production department participated in the Water Loss TAP program. We are working on a strategy to increase data validity, reduce real loss and apparent loss.

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.

Antonio D. Penna Jr.	VP/General Manager	A. D. Penna Jr.	9.29.17
Executive Name (Print)	Executive Position	Signature	Date

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Validator Provided

Audit Information:

Utility: Liberty Utilities Apple Valley PWS ID: 3610003

System Type: Potable Audit Period: Calendar 2016

Utility Representation: Enter

Validation Date: 5/25/2017 Call Time: 9:00am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 64 Data Validity Band (Level): Band III (51-70)

ILI: 0.85 Real Loss: 20.70 (gal/conn/day) Apparent Loss: 7.04 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 2.8%

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: Kris Williams / Brett Snider (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP