

## CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

### Audit Information:

Utility: San Luis Obispo

PWS ID: 4010009

System Type: Potable

Audit Period: Calendar 2016

Utility Representation: Michael Boerman (Water Resources), Marcus Henderson (Distribution), Dean Furukawa (Production), Cheryl Blair (Finance), Miguel Barcenas (Engineer)

Validation Date: 6/29/2017

Call Time: 1:00pm

Sufficient Supporting Documents Provided: Yes

### Validation Findings & Confirmation Statement:

#### Key Audit Metrics:

Data Validity Score: 43 Data Validity Band (Level): Band II (26-50)

ILI: 2.02

Real Loss: 33.51 (gal/conn/day)

Apparent Loss: 8.34 (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: Steve Cavanaugh / Jeff Cappadona (support)  
Loss TAP

Validator Qualifications: Contractor for CA-NV AWWA Water

Validator Provided



## CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

Water System Name: City of San Luis Obispo

Water System ID Number: 4010009

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:

Began meter calibration and testing program to reduce meter inaccuracy. Developed process to audit billing database for errors in consumption values. Began construction of SCADA system to detect and monitor system abnormalities such as tank overflows. Increased meter replacement budget to replaced aged meters.

### 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.

Utility Provided

Carrie Mattingly  
Executive Name (Print)

Utilities Director  
Executive Position

*Carrie Mattingly* 09.26.17  
Signature Date