American Water Works Association
California-Nevada Section

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Validator Provided

Audit Information:

Utility: Seal Beach PWS ID: 3010041

System Type: Potable Audit Period: Calendar 2016

Utility Representation: David Spitz (Public Works), Darrick Escobedo (Public Works), Grant Tavasci (Public Works), Michelle Marquez (Billing)

Validation Date: 7/18/2017 Call Time: 1:00pm Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 67 Data Validity Band (Level): Band III (51-70)

ILI: 2.11 Real Loss: 30.22 (gal/conn/day) Apparent Loss: 5.69 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 3.1

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: Drew Blackwell / Larry Lewison (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

WSO CAVANAUGH

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Water System Name: Seal Beach **Water System ID Number:** 3020041 **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:

Work on increasing testing of all meters, large and small. Looking improving the system for reading meters. Project in the works for new SCADA system for water wells and booster stations.

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.

Steve Myrter	Director of Public Works		9/29/17
Executive Name (Print)	Executive Position	Signature	Date

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