Level 1 Validation Certificate

WSO

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 8/15/2019

Water Supplier

Supplier Name:	City of Thousand Oaks
Supplier Participants:	John Brooks, Chandani Gunasekara Mary Anne Van Zuyle Ryan Ayerle Michael Devlahovich Bret Sherman Sheri Johnson

Validator

Validator:	Isabel Szendrey, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Key Audit Metrics

Data Validity Score:	71	
ILI:	0.85	
Real Loss:	16.83	gal / conn / day
Apparent Loss:	6.48	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	2.7%	

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. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name:	City of Thousand Oaks
Water Supplier Public Water System ID:	5610020
Water Audit Period:	July 1, 2018 – June 30, 2019

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

Calculated meter loss based on analyzing last five years of meter testing data. Improved accuracy of main line segments and average operating pressure. Evaluated and selected leak detection equipment. Refined customer retail unit costs and number of connections.

Certification Statement by Water Supplier 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.

Executive Name (print):	Jay Spurgin
Executive Position:	Public Works Director
Signature:	
Date	September 11, 2019