Certified Validation Report

Audit Information:

Water Supplier Name: Long Beach Water Department
PWS ID: 1910065
System Type: Potable

Audit Period: Fiscal Year 2018/2019
Utility Representation: James Morgutia, Milo Yukimoto
Validation Date: 9/26/2019

Validation Findings and Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 64
Data Validity Band (Level): III
ILI: 0.09

Real Loss: 1.18 gallons/connection/day
Apparent Loss: 8.16 gallons/connection/day
Non-revenue water as percent of cost of operating system: 3.4%

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: Dean Wang

Qualifications: Water Audit Validator Certification

Water Audit and Water Loss Improvement Steps:

Included storage volume in Volume from Own Sources Master Meter Error Adjustment. Increased number of meters tested.

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 Audit and Loss Control Programs, Manual M36, Fourth Edition and in the Free Water Audit Software (Version 5).

September 26, 2019

Christopher J. Garner
General Manager