American Water Works Association
California-Nevada Section

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Water System Name: City of Patterson **Water System ID Number:** 5010017 **Water Audit Period:** Calendar 2018

Water Audit & Water Loss Improvement Steps:

To help increase data validity, the city will be auditing all city-maintained and large private accounts for metering inaccuracies. The city will improve on maintaining records of unbilled/unmetered consumption, such as hydrant flushing and fire protection water use.

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.

Mike Willett	Public Works Director		10/01/19
Executive Name (Print)	Executive Position	Signature	Date

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Validator Provided

Audit Information:

Utility: Patterson PWS ID: 5010017

System Type: Potable Audit Period: Calendar 2018

Utility Representation: Maria Encinas (Management Analyst)

Validation Date: 10/01/2018

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 68 Data Validity Band (Level): Band III (51-70)

ILI: 6.38 Real Loss: 72.78 (gal/conn/day) Apparent Loss: 4.41 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 2.1%

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