Certified Validation Report Template, Part A: Provided by Validator

WSO

Validator Provided

Audit Information

Water System Name: San Dieguito Water District

Public Water System Identification (PWSID)[1]: CA3710021

[1]List only 1 PWSID, which should match the PWSID on the FWAS Instructions Tab. For Special cases where multiple water systems are connected with permanent two-way interties, list those additional PWSIDs in the **Notes** below and describe the water distribution system(s) configuration.

PWSID and Water System Configuration Notes (Provided to Validator by Water System):

Audit Period: FY2021

Validation Date: 11/30/2021

Sufficient Supporting Documents Provided: Yes

Water System Representatives

Mary Kazungu, Christina Olson, Raul Gonzalez, Nina Paloma

Validation Findings & Confirmation Statement

Key Audit Metrics:

Data Validity Score: 66 Data Validity Band (Level): Band III (51-70)

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

Real Loss: 6.60 gal / conn / day

Apparent Loss: 10.79 gal / conn / day

ILI: 0.35

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. ☒

If not, rejected recommendations are included here:

Validator Information

Water Audit Validator: Kevin Burgers Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Certified Validation Report Template, Part B: Provided by Utility

Utility Provided

Water System Name: SAN DIEGUITO WATER DISTRICT

Public Water System Identification (PWSID)[2]: CA 3710021

[2]List only 1 PWSID, which should match the PWSID on the FWAS Instructions Tab. For Special cases where multiple water systems are connected with permanent two-way interties, those additional PWSIDs should have been listed in the Notes section on Page 1 by the Validator.

Water Audit & Water Loss Improvement Steps:

1. Steps Taken: *Water System to identify steps taken* ***in the preceding 3 years*** *to increase data validity, reduce real loss, and reduce apparent loss as informed by the annual validated water audit:*

The District:

1. Installed low flow meter on 36" supply meter to increase accuracy. The plant added 2 differential pressure transmitters (DP cells) which automatically switch between high and low flows thus capturing the low flow considered for water loss. These are calibrated annually and their mechanical parts, quarterly.
2. Replaed and continues to replace meters exhibiting diminished accuracy. This helps eliminate water loss by providing accurate reads at the service connection.
3. New Leak Detection equipment was purchased that assists in the location and identification of unknown leaks in the system.
4. System operations were changed to fluctuate Encinitas Ranch Reservoir levels slightly higher and Balour Reservoir slightly lower than previous operations. This operational strategy helped reduce the residence time in the larger Encinitas Ranch Reservoir by inducing flow from it to the lower volume Balour Reservoir, each of which share the same base elevation. Both reservoirs now cycle equally, helping to improve water quality, eliminate the need for flushing, and therefore reducing water loss.

2. Planned Steps (OPTIONAL): If your audit reflects *negative real losses or the cost of non-revenue water is greater than 100% of the operating costs (issues for which your audit will not meet code requirements), you will be asked what steps you are planning in the coming year to address these issues. If you already know what steps you plan to take, you may list them here. If not, please prepare a response within 90 days (23 CCR Section 638.6[a]).*

Not applicable.

3. 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.

Executive Name (Print)	Executive Position	Signature	Date
ISAM HIREISH	GENERAL MANAGER		12/17/2021