

SAMOA WATER AUTHORITY

Position Description

Position Title:	Engineer Non-Revenue Water
Salary Grade/Rate:	SpGr 1 (\$71,949- \$88,698.00)
Responsible to:	Manager Urban Operations
Division:	Urban Operations and Maintenance

Position Overview:

The Non-Revenue Water Engineer is responsible for the development and implementation of demand management principles and practices to monitor and improve unaccounted for water (UFW) for all SWA water supply system.

Duties & Responsibilities:

1. Set up step test area for respective sites and collect results of step testing activities on a regular basis with the assistance from other Engineers.
2. Liaise with responsible managers to formulate development programs in asset registry. GIS mapping, leakage reduction, maintenance works, capital works. demand management & metering.
3. Manage & evaluate water production data at bulk meter level for each individual water scheme in urban services areas.
4. Ensures accurate & timely recordings, collection, entry and analysis of data to continually improve trends in water balance & NRW reduction.
5. Monitor, collate & analyse data to determine progress or regress in the management of NRW activities (demand management principles & practices) reporting to SWA management on current performances & strategies for continuous improvements in NRW reduction.
6. Establish NRW assessments & draw Water Balances in structured DMAs & Pilot Areas for each water supply scheme at defined boundaries to clearly identify apparent losses & real losses. Continuously use professional practices to improve the implementation of NRW reduction works.
7. Design reforms & instigate capacity building activities that attract a collective SWA focus on efficient & effective measures to reduce NRW.
8. Identify NRW training needs & pursue management endorsement for available training opportunities.
9. Integrate to harmonize the contribution of each program & hence divisions towards NRW reduction to promote ownership of program.
10. Enforce links between the various NRW programs amongst various divisions & reflect on their collective contribution to the financial viability of SWA.
11. Develop NRW management strategies for SWA management to endorse NRW

reduction a priority element of SWA organizational objectives.

12. Assist in the development, implementation, monitoring and review of SWA's Corporate Plan, Divisional Plan and Divisional budget and ensure that Divisional operations comply with the same.
13. Conduct Performance Management Appraisal for each Unit staff on due date and in accordance to the PMA process.
14. Supervise and motivate the performance of Unit staff and provide on the job training or coaching within area of expertise.
15. Enforce and encourage compliance to occupational health and safety practices at all times in the course of work to ensure safety and wellbeing of staff members and the public in general.

Position Requirements:

1. A Bachelor's degree in Civil Engineering or any other related professional Engineering discipline. (essential)
2. At least 5 years relevant experiences in the provision of water supply engineering services. (essential)
3. Good knowledge of Infrastructure Asset Management in water supply services. (essential)
4. Good knowledge of NRW, Demand Management & Leak Detection practices for water supplies. (essential)
5. Excellent practical knowledge of MS Office programs and engineering programs such as AutoCAD, H2OMap, EPANET, GIS Mapping & MapINFO. (essential)
6. Have good management and supervision skills in the areas of human resources; budget; contract or project works and operation & preventative maintenance practices. (essential)
7. Excellent communication, public relation and reporting skills (oral & written) in English and Samoan (essential)
8. Ability to plan & organize multiple & shifting tasks within deadlines & allocated budget. (essential)
9. Is physically able & mentally fit to take on NRW works and can work under stressful situations with minimal or no supervision (essential)
10. Demonstrate strong / good work ethics and values with pleasant attributes (meticulous; result driven; dependable & trustworthy; integrity etc.) (essential)
11. Ability to drive and must have a current driver's license (desirable)

All signatures to be completed prior to filing

	Name/Signature	Date
Prepared by	 Faiamio Agaiava Team Leader HRM	<u>29/08/2023</u>
Reviewed by	 Namulauulu Leota Irasa Alafau Manager Urban O &M	<u>29/08/2023</u>
Verified by	 Ruby Sheck Manager Corporate	<u>29/08/2023</u>
Approved:	 Fuimaono Dominic F. Schwalger Managing Director	