



Water and Sewerage Company Inc.

CAREER OPPORTUNITY

An exciting career opportunity exists within the **Non-Revenue Water Department** for the post of

GIS OFFICER

Role Summary

1. Collect and review spatial and tabular data from water, wastewater, customer services, and maintenance departments.
2. Validate infrastructure records against field surveys, engineering drawings, NRW repair logs, and DMA connection authorizations.
3. Conduct detailed geo-referencing of poles, landmarks, and structures, verifying location, type of construction, and equipment attached.
4. Ensure integrity of asset data for digitization and integration into WASCO's GIS platform.
5. Perform geodatabase queries, spatial analyses, and database management using geo-processing tools to support operational planning and NRW reduction.
6. Tag and track assets including mains, service connections, valves, hydrants, reservoirs, manholes, pumping stations, and air valves.
7. Support hydraulic modelling, DMA sectorization, and NRW baseline development through accurate GIS datasets.
8. Integrate asset records with stock control SOPs and storage policies to ensure lifecycle traceability.
9. Collaborate with IT and NRW Unit to integrate GIS with SCADA, billing, and customer service platforms.
10. Prepare monthly GIS update reports highlighting asset mapping progress, data accuracy, and integration status.
11. Train field crews on geo referencing repairs and new connections using controlled forms/checklists.
12. Any other duties assigned by your Supervisor.

Eligibility requirements

1. Associate or Bachelor's Degree in Geography, Geomatics, GIS, Environmental Engineering, or Urban Planning.
2. CAWASA I-II or equivalent modular certification in GIS/utility asset management.
3. 2-3 years' experience in GIS data collection, mapping, and analysis, preferably in water/wastewater utilities.
4. Proficiency in GIS software (ArcGIS/QGIS), CAD mapping, and asset tagging.
5. Knowledge of water distribution and wastewater collection systems, including appurtenances (valves, hydrants, meters, manholes, pumping stations).

6. Strong computer literacy, data visualization, and dashboard development skills.
7. Good communication and interpersonal skills for interdepartmental coordination.
8. Ability to maintain **audit-ready records** for donor reporting (World Bank, CDB).
9. Valid Class C Driver's License required for field inspections.
10. Ability to move objects up to 50 pounds (e.g., paper cartons, digitizing tablets, manhole covers) during fieldwork.

Knowledge, skills and abilities

- Basic knowledge of functioning of meters
- Plumbing skills
- Communication skills
- Customer Relation Skills (internal and external)
- Interpersonal skills
- Report Writing.

If you think you meet the requirements above, then submit your updated CV to the Human Resource Manager no later than **Wednesday October 14 2026**. *Short listed candidates will be expected to attend an interview.*