American Samoa Power Authority

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PUBLIC JOB POSTING

Position Title	**Hydraulic Modeler**	*Posting Date*	**August 25, 2026**
Department	**Water Engineering**	*Deadline*	**Until Filled**
Division	**Water**		
Position Type	**Contract**	*Pay*	**$43,467.16/year**
Reports To	**Senior Engineer**	*Job Grade/Status*	**K/1/D, Exempt**

Major Duties & Responsibilities

Assist in the development, updating, calibration, maintenance, and operation of hydraulic and hydrologic models for water distribution, and wastewater collection. Collect, organize, validate, and maintain engineering, GIS, and operational data to support modeling activities; perform routine hydraulic simulations and analyze results under the direction of senior engineering staff. Prepare maps, technical reports, charts, and presentations for engineering studies, system planning, and capital improvement projects. Oversee field data collection, flow testing, pressure monitoring, and model calibration; maintain hydraulic model databases to ensure data accuracy and integrity; and coordinate with engineering, operations, planning, and GIS personnel to verify system information. Provide technical support for operational analyses and emergency response activities, comply with established engineering standards, safety procedures, and departmental policies, and perform other related duties as assigned.

Minimum Requirements

Education	Bachelor's degree in Civil Engineering with good knowledge of Geographic Information Systems (GIS). Minimum of three (3) years of relevant experience.
Experience	Minimum of three (3) years of technical experience in hydraulic modeling, water and wastewater utilities, GIS, engineering support, or related technical work is preferred. Candidates with relevant internships, academic projects, or an equivalent combination of education and experience demonstrating the required knowledge, skills, and abilities may be considered. Proficiency with InfoWater software highly preferred.
Skills, Abilities, Job Requirements	Knowledge of hydraulic and hydrologic principles and water distribution and/or wastewater collection systems. Familiarity with hydraulic modeling software, such as InfoWater Pro, WaterGEMS, EPAnet, or similar applications, and proficiency in GIS software (e.g., ArcGIS) and Microsoft Office applications. Ability to interpret engineering drawings, utility maps, and technical documents; prepare clear technical reports and maintain accurate records; communicate effectively both orally and in writing; and work independently as well as collaboratively in a team environment. Strong analytical, problem-solving, organizational, and time management skills. **Additional Requirement:** Applicants educated or certified outside the United States must possess an equivalent certification or credential from their country of origin that is recognized as comparable by the employer.

Qualified applicants: *Please submit a completed ASPA employment application to ASPA, Tafuna (address listed above) by the deadline or via email to humanresource@aspower.com. Attach copies of credentials and transcripts. Candidates selected for hire must pass examinations (when applicable), pre-employment clearances & test negative on pre-employment drug test. ASPA reserves the right to waive education and experience requirements as necessary. No phone inquiries accepted.*

An Equal Opportunity Employer * A Drug Free Workplace