

BARBADOS WATER AUTHORITY

Vacancy Notice

Project Engineer – 9-km Reclaimed Water Pipeline – Reduce, Reuse, Recycle for Climate Resilience Wastewater Systems in Barbados (3R-CReWS)

Applications are invited from suitably qualified members of staff to fill the vacant position of **Project Engineer – 9-km Reclaimed Water Pipeline – 3R-CReWS**.

Scope

The Project Engineer will report to the Project Coordinator (PC) for the 3R-CReWS Project and will be responsible for providing day-to-day engineering oversight and technical support for the planning, design finalization, procurement, construction, commissioning, handover, and early operational readiness of the 9 km reclaimed-water transmission pipeline from the Bridgetown Sewage Treatment Plant (BSTP) to Lears, including the branch to the National Botanical Gardens at Waterford, associated appurtenances, distribution offtakes, interfaces with the pumping and treatment systems, and coordination with the managed aquifer recharge component where required.

The Project Engineer will focus specifically on the engineering, contract administration, utility coordination, construction supervision, commissioning, and safeguard-compliance needs of this linear infrastructure package. The role will require close coordination with the PMO, BWA Engineering Department, Water Resources and Environmental Management Unit, Wastewater Operations, contractors, supervising consultants, utility providers, regulatory agencies, farmers and other affected stakeholders to ensure that the pipeline works are delivered safely, on time, in compliance with design and donor requirements, and in a manner that minimizes disruption to communities and sensitive receptors along the corridor.

Duties and Responsibilities

The Project Engineer will be responsible for providing technical oversight, ensuring effective implementation, and supporting the successful delivery of all engineering-related aspects of the Program. Specific responsibilities include:

- Provide overall engineering oversight and supervision support for the 9 km reclaimed-water pipeline works, ensuring compliance with approved designs, technical specifications, contract requirements, and the objectives of the 3R-CReWS Project.
- Review and coordinate detailed design outputs, issued-for-construction drawings, method statements, work programmes, and technical submissions for the pipeline, branch line, appurtenances, crossings, and related interfaces.
- Monitor implementation of the pipeline route from BSTP to Lears, with particular attention to known utility-conflict and traffic-sensitivity hotspots.
- Lead day-to-day coordination on trenching, pipe laying, crossings, valve chambers, scour assemblies, air-release valves, tracer wire, restrained joints, farm turnouts, and other pipeline appurtenances to ensure quality installation and constructability.
- Coordinate with BWA, government ministries, stakeholders, utility owners, contractors, and supervising personnel to manage utility investigations, potholing, separations, traffic management, temporary access arrangements, and reinstatement obligations in constrained road corridors.
- Conduct regular site inspections and progress meetings to verify workmanship, quantities, safety, environmental and social compliance, programme performance, and adherence to approved method statements and quality assurance requirements.
- Review contractor and consultant deliverables for technical completeness and compliance, including work plans, shop drawings, inspection and test plans, commissioning plans, as-built records, and operation and maintenance documentation.
- Support procurement and contract administration for the pipeline package, including preparation and review of bidding documents, technical specifications, tender evaluations, clarifications, variation assessments, claims review, payment certifications, and contract correspondence.

- Monitor construction risks associated with linear works, including trench stability, drainage crossings, dust, noise, traffic and pedestrian safety, utility strikes, spoil handling, spill prevention, and protection of nearby businesses, schools, places of worship, farms, and other sensitive receptors.
- Support implementation of the ESIA/ESMP, stakeholder engagement commitments, grievance-management interfaces, and other safeguard requirements applicable to the pipeline and related recharge interfaces, ensuring that mitigation, monitoring, incident response, and corrective actions are properly carried out.
- Coordinate pre-construction and construction-stage technical inputs linked to the aquifer recharge interface where relevant, including route interdependences, monitoring provisions, control points, and operational compatibility with the broader reclaimed-water system.

Qualifications

Prospective candidates must meet the following minimum qualifications and experience requirements:

- **Educational Background:**
 - A degree in Civil Engineering, Mechanical Engineering, Sanitary Engineering, Water Resources Engineering, or a closely related engineering discipline, with professional registration as an engineer or eligibility for such registration.
 - Advanced certification in project management, construction management, contract administration, or a related field will be considered an asset.
 - Eligibility for registration with the Engineers Registration Board of Barbados is preferred.
- **Professional Experience:**
 - A minimum of seven (7) years of progressively responsible experience in engineering design, construction supervision, or project delivery for large-scale infrastructure works.
 - Demonstrated experience in pipeline, water, wastewater, drainage, or other linear utility infrastructure projects, preferably including buried pipe installation in constrained road or urban environments.
 - Proven experience in construction management, quality control, commissioning, and contract administration for civil works projects.
 - Experience with HDPE, ductile iron, valves, chambers, pumping interfaces, hydrostatic testing, disinfection, and related pipeline commissioning activities will be highly desirable.
 - Knowledge of FIDIC contracts or similar internationally recognized contractual frameworks is highly desirable.
 - Familiarity with projects financed by international financial institutions or multilateral development banks, including environmental and social safeguard compliance, will be considered an asset.
 - Experience working in Barbados or the Caribbean region, and familiarity with local utility coordination, road-opening procedures, and public-sector implementation environments, will be considered an asset.

Knowledge and Skills:

The Project Engineer must demonstrate the following knowledge and skills:

- Strong oral and written communication skills, including the ability to prepare technical reports, site instructions, meeting records, progress updates, and briefing notes for management and stakeholders.
- Proficiency in interpreting engineering drawings, specifications, route plans, utility records, inspection and test plans, and contractor method statements for pipeline and associated infrastructure works.
- Sound knowledge of pipeline construction methods, hydraulics, construction sequencing, trenching, crossings, reinstatement, and site supervision requirements for water and wastewater infrastructure.
- Strong ability to coordinate multidisciplinary stakeholders, including contractors, consultants, utility owners, regulators, landowners, farmers, and internal BWA units, to resolve implementation constraints in a timely manner.
- Good understanding of cost control, measurement, payment certification, variation assessment, risk management, and programme monitoring within the context of capital works delivery.

- Ability to work independently with minimum supervision while managing multiple concurrent technical, contractual, and stakeholder-related responsibilities.
- Competence in Microsoft Office, project scheduling tools, AutoCAD, GIS or map-based coordination tools, and other standard software used for engineering review, reporting, and monitoring.
- Strong problem-solving, negotiation, and field decision-making skills, with the ability to respond effectively to construction challenges, interface issues, and emerging risks.
- Familiarity with environmental, social, health and safety requirements applicable to pipeline works, including traffic management, utility protection, community health and safety, grievance interfaces, and monitoring obligations under ESIA/ESMP and donor safeguard frameworks.
- Knowledge of international environmental and social safeguards, particularly in projects financed by multilateral development banks.

SALARY AND ALLOWANCES

The successful candidate will receive an attractive salary and benefits package based on their qualifications and experience.

Applications with full curriculum details should be emailed to hr@bwa.gov.bb or addressed to:

**The Director Human Resources Management and Development (ag)
Barbados Water Authority,
Pine Commercial Estate,
The Pine,
St Michael**

The closing date for receipt of application is **Friday, June 5th, 2026**.

Unsuitable applications will not be acknowledged and only shortlisted candidates will be contacted.