

Principal Engineer Liquid Waste Drainage

Department: Growth, Housing and Environment

Division: Operations & Transport

Reports to: Head of Liquid Waste

JE Reference: GHE023

Grade: CS14

JE Date: 05/06/2019

Job purpose

Leading on the maintenance, development and implementation of safe and effective drainage infrastructure within the Liquid Waste Division of Operations and Transport ensuring they meet the needs of islanders and comply with all relevant statutory, quality, budgetary and health & safety standards to safeguard public health and wellbeing.

Job specific outcomes

As the principal engineer, lead fully accountable and auditable specialist engineering services essential for the maintenance and development of the Island's liquid waste drainage systems including pumping stations, sewers and drains to the sea, in accordance with environmental best practice, which is able to deal with and expand for population growth, ensuring that the drainage infrastructure is fit for purpose at any given time.

Provide good leadership and oversee the best utilisation of staff and physical resources in the provision of high quality and cost effective services and the delivery of associated capital infrastructure works to support the Island's critical infrastructure.

Be the lead technical expert in all engineering matters of Liquid Waste Drainage and provide specialist advice on the Island's liquid waste drainage systems, making recommendations according to local, UK and EU legislation to Senior Management and politicians to support the development of Government strategic aims; provide commentary on planning applications (e.g. in relation to the sufficiency of any sewerage or drainage systems that may be affected by the development) to be reported to the Minister for noting.

Develop and deliver on continual improvement initiatives to liquid waste drainage, co-ordinating consultants, contractors and suppliers to ensure that the critical infrastructure is fit for purpose and operating at optimal standards.

Control the revenue and capital budget for the current and future liquid waste drainage ensuring that Island critical infrastructure is developed and maintained within the defined financial limits.

Ensure health and safety at work is given the highest priority within their service due to the risks associated with examining sewers / drains, harmful effluent, dealing with chemicals, flammable substances, power tools and machinery to ensure the safety of staff and the general public.

Coordinate research activities involving the evaluation of alternative methods of liquid waste drainage and industry developments in terms of methods, processes and infrastructure to increase operational efficiency and promote best value practices.

Lead on the safe and efficient running of liquid waste drainage systems in accordance with the relevant directives and legislation, ensuring that contingencies are in place against any potential risks that could lead to pollution of the natural environment or could affect islanders' health and wellbeing.

Statutory responsibilities

Active engagement, participation and compliance with any other statutory responsibilities applicable to the role, as amended from time to time.

This role is politically restricted. The job holder is not permitted to undertake political activity involving standing for election to the Government or as a Parish Constable, or publicly supporting someone who is standing for election or playing a public part in any political manner.

Services (TIER 1,2 and 3 jobs only – DELETE if not applicable)

- Liquid Waste Drainage Design and Maintenance

Organisational structure



Person Specification

Specific to the role

ATTRIBUTES	ESSENTIAL	DESIRABLE
<p>Qualifications <i>Please state the level of education and professional qualifications and / or specific occupational training required.</i></p>	<p>Degree or equivalent specialist knowledge in a technical or engineering field including Process, Control Systems, Chemical, Civil, Electrical and Mechanical Engineering and a level 7 post graduate qualification or equivalent gained by substantial relevant practical experience in a relevant specialism, including Environmental Impact, Finance and / or MBA etc.</p> <p>Chartered membership of a relevant professional engineering institution e.g. ICE, IMechE, IchemE, etc.</p> <p>Project management qualification or equivalent.</p>	<p>0</p>
<p>Knowledge <i>This relates to the level and breadth of practical knowledge required to do the job (e.g. the understanding of a defined system, practice, method or procedure).</i></p>	<p>Specialist knowledge of engineering disciplines, including chemical and fluid mechanics processes.</p> <p>Detailed knowledge of planning, legal and regulatory frameworks governing sewage treatment works in Jersey.</p> <p>Detailed knowledge of local, UK and EU legislation, directives, regulations and international agreements with a comprehensive understanding of how they impact local legislation,</p>	<p>Knowledge of:</p> <p>The activity and processes of Government including interaction between politicians and officials.</p> <p>Management reporting as it relates to this role.</p> <p>The Growth, Housing and Environment priorities, key objectives, risks and issues relevant to the department division and the role.</p>

	<p>policy frameworks and practices.</p> <p>Ongoing Continuing Professional Development to remain up-to-date with the latest methodologies and industry research and best practice.</p> <p>Knowledge of managing a budget and business planning processes.</p> <p>Knowledge of the Government of Jersey or a comparable organisation and its strategy and functions.</p>	
<p>Technical / Work-based Skills <i>This relates to the skills specific to the job, e.g. language fluency, vehicle license etc.</i></p>	<p>Ability to use telemetry systems.</p> <p>Computer literate with ability to operate the Microsoft Office package.</p>	Driving licence (Group B)
<p>General Skills/Attributes <i>This relates to more general characteristics required to do the job effectively, e.g. effective written communication skills, ability to delegate, motivation or commitment etc.</i></p>	<p>Strong relationship building skills.</p> <p>Good planning and organising skills so as to generate medium and long-term strategic plans for the relevant areas of responsibility.</p> <p>Ability to lead, motivate and manage teams to facilitate achievement of high delivery and performance and manage poor behaviour.</p> <p>Excellent verbal and written communication skills.</p> <p>Ability to produce written materials (e.g. letters, reports, discussion papers, proposals) to a</p>	

	<p>high level for presentation to a variety of audiences, including the States Employment Board and Government of Jersey Ministers.</p> <p>Ability to communicate confidently and effectively in media interviews when required. Ability to communicate effectively to senior stakeholders, including politicians and Senior Management and deliver key messages at a suitable level.</p> <p>Ability to influence and persuade a wide range of stakeholders in and outside the department.</p>	
<p>Experience <i>This is the proven record of experience and achievement in a field, profession or specialism. This could include a minimum period of experience in a defined area of work if required by an external body (for example a period of post-qualification experience).</i></p>	<p>Practical experience of engineering disciplines, including chemical and fluid mechanics processes.</p> <p>Experience in leading multi-disciplinary engineering teams and contractors.</p> <p>Experience in management of major projects.</p> <p>Proven management experience, including management of senior teams, obtained by a combination of professional experience and more formal management training.</p> <p>Experience in delivery against large budgets.</p> <p>Experience setting and deploying strategy at</p>	

	<p>departmental / divisional level.</p> <p>A proven track record of achieving objectives on time.</p> <p>Experience of best practice within the area/s overseen as part of the remit of the role to make recommendations for change.</p> <p>Experience working alongside senior stakeholders within the public sector or a similar context.</p>	
--	---	--

Core Accountabilities, Attributes and Behaviour Indicators

Appointees to this role will be required to adhere to and perform their duties in line with the standards identified in the Government of Jersey tier 1 to 3 core accountabilities, attributes and behaviour indicators.