



CITY OF
PRINCE GEORGE

JOB DESCRIPTION

JOB TITLE: PLANTS MAINTENANCE TECHNICIAN **SCHEDULE:** A
DIVISION: UTILITIES **PAYGRADE:**
DEPARTMENT: PUBLIC WORKS

JOB SUMMARY:

The Plants Maintenance Technician is responsible for power engineering and plumbing related maintenance at water pump stations, sanitary sewer pump stations, wastewater treatment plant, and District Energy sites. This position is responsible for the maintenance, repair, alteration, and installation tasks for plant/energy as well as energy transfer stations, boilers and cooling systems at other city facilities.

This position exercises considerable independent judgment and action, and limited supervisory responsibility. The ability to read sketches, blueprints, and diagrams is required, as is the ability to facilitate problem resolution. The incumbent is responsible for ensuring that work conforms to required standards and objectives. Performs other related duties as assigned.

MAJOR RESPONSIBILITIES:

Under the supervision of the Utilities Maintenance Foreman:

Performs power engineering and a variety of skilled plumbing related tasks by:

- reviewing building plans and specifications to determine the layout for plumbing and related materials;
- estimating and requisitioning materials required for projects from layouts, sketches, diagrams and blueprints;
- updating and verifying drawings, blueprints and manuals;
- assembling, installing and repairing pipes, pipe fittings and valves for maintenance and construction projects;
- installing and repairing fixtures related to heating and cooling systems;
- installing, maintaining and calibrating meters and other sensors;
- collecting and recording system information and entering into the City's asset management software, CityWorks;
- performing power engineering and plumbing related operations and maintenance at water pump stations, sanitary sewer pump stations, wastewater treatment plant, drainage pump stations and District Energy Peaking Plant as well as energy transfer stations, boilers and cooling systems at other city facilities;
- attending call-out when required;

- monitoring work flow and setting priorities;
- providing orientation and training as directed by the Supervisor/Foreman;
- developing and implementing maintenance procedures for various heating and cooling systems throughout the city;
- developing recommendations for improved procedures, employee training and work efficiencies; and
- ensuring that safe work practices are followed and rectifying unsafe or potentially unsafe situations.

Performs pumps station/lift station, WWTC and District Energy System maintenance related tasks by:

- carrying out field inspections to maintain the operation of plants, which pertains to the supply and storage of water, heating systems such as boilers and District energy transfer systems, and cooling systems;
- carrying out preventive maintenance, general servicing and repair of plant equipment and related tasks as assigned by the Supervisor and/or Foreman of the area;
- assisting in the installation of new works or plant/equipment alterations;
- maintaining security of each water supply/heating and cooling facility/plant and its alarm systems;
- collecting fluid samples for analysis by laboratories;
- carrying out in-site testing of fluid samples;
- attending call-outs when required;
- providing assistance and guidance on work related matters to water pumphouse and wastewater treatment plant operator's as well as other city facilities; and
- performing other related duties as assigned.

QUALIFICATIONS:

Education: Grade 12. Valid 5th Class or higher Power Engineer's Certificate. Valid Inter-Provincial Plumbing Qualification or a B.C Trades Qualification for Plumbing. Certification or endorsements in electrical, refrigeration, gas fitting and/or HVAC systems are considered assets.

Experience: A minimum of three years' experience as a power engineer as well two years as a journeyman plumber working in commercial or industrial buildings.

Knowledge and Skills: Considerable knowledge of the standard methods, practices, materials, tools and equipment used in boiler operations, power engineering, HVAC system operation, plumbing maintenance and construction work. Considerable knowledge of the hazards and necessary safety precautions involved in heating/cooling system operations and plumbing work. Considerable knowledge of the applicable bylaws, rules, and regulations governing heating/cooling systems and plumbing work. Knowledge of building codes, legislation, regulations policies and procedures in installations and maintenance. Demonstrated ability and competence in performing a wide variety of skilled power engineering and plumbing tasks. Demonstrated ability to use and operate the tools and equipment used in the plumbing trade in a safe and efficient manner. Ability to understand and carry out oral and written instructions. Ability to work from sketches, blueprints, and

diagrams. Ability to estimate the time, equipment, materials, and personnel needed to complete specific tasks and projects. Ability to maintain records and requisition parts and materials as required. Exceptional ability to self-motivate and to function effectively with minimal direction and supervision. Demonstrated judgment and problem-solving abilities. The ability to train staff. Excellent interpersonal skills to build and maintain cooperative working relationships with other City employees. Ability to deal courteously, tactfully, and diplomatically with members of the general public as well as with internal and external customers. Ability to work within, and contribute to, a proactive team environment. Demonstrated commitment to customer service. Sufficient physical strength and stamina to perform the required duties. Knowledge of WorkSafe BC regulations, occupational hazards and safe work procedures as it relates to the position, including but not limited to: bullying and harassment, working alone and other significant hazards.

Valid BC Driver's license: Yes. Valid BC driver's license, unrestricted Class 5.
Vehicle Usage: Yes. City-owned vehicles.
Criminal Record Check: Yes. As a condition of employment, the incumbent must be able to obtain and maintain a clear RCMP Enhanced Reliability Status and additional security to permit access to sensitive buildings with various security requirements.

Prepared by: William Wedel
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Revised by: Cory Smith