



Position: Gas Controller
Location: Surrey, BC
Permanent Full-time

Responsibilities

1. Controls the flow of gas in the pipeline system of FortisBC and FEVI and potential external systems to ensure safe, efficient operating conditions, reliable customer service and optimum purchases and sales on a 24-7 basis by:
 - monitoring pipeline data such as pressures and flow rates using a supervisory control and data acquisition (SCADA) system;
 - analyzing and responding to alarms and other potential problems according to established procedures;
 - controlling pipeline pressures and flows through the operation of remote controlled equipment such as compressors and valves;
 - acting as primary Vancouver contact in any emergency involving pipeline facilities and notifies management personnel as required, may make initial assessment of incidents, coordinate response and take appropriate action;
 - forecasting daily gas requirements by analyzing current weather forecast information, historical load and temperature data, customer estimates and historical data and current telemetry data;
 - determining the availability of gas for interruptible sales based on supply and economics, allocating available supply to interruptible customers, issues curtailment notices and maintains proper curtailment records;
 - producing various daily, weekly and monthly reports for distribution to management and other departments;
 - coordinating and analyzing field procedures for pipeline construction, maintenance, and repairs, releasing pipeline for work and altering flows and pressures as required;
 - recording all activity related to system operation in the gas control logs.
2. Maintains liaison with:
 - field personnel to coordinate work, report problems and initiate call-outs when required;
 - personnel from other pipeline companies, gas suppliers and customers to coordinate pipeline activity;
 - other company departments including Measurement, Marketing, Engineering, Gas Supply, Data Processing and Customer Accounting.
3. Designs and maintains computer applications as required to perform Gas Control accounting, reporting and data archival functions on personal computers using various software, including spreadsheet, data base, communications and utility programs. Transfer historical data from SCADA system to PC for archival.
4. Creates reports and maintains data records as required by modifying and running customized programs on the company mainframe to:
 - verify daily operating data input to the Gas Control database;
 - produce weekly and monthly reports to check the validity of telemetry and measurement data, reports problems to appropriate personnel;
 - verify accuracy of gas volume statements and records of daily gas transactions produced by other companies;

- produce historical load reports and graphs from the Gas Control database for use in load forecasts;
 - produce reports for Gas control studies, other company departments and customers as required;
5. Evaluates current demand, determines when demand is at variance from authorized supplies, and makes appropriate changes to storage supply to bring demand in balance.
 6. Provides specific information regarding pipeline operation to other departments and management as requested.
 7. Upgrades SCADA system software by designing and maintaining screen displays and calculation tables.
 8. Performs minor maintenance and repairs on Gas Control equipment. Contacts the appropriate service companies for all major repairs. Diagnoses SCADA system, filed communications and telemetry equipment problems. Initiates repair procedures with appropriate communications company and/or FortisBC personnel.
 9. Uses standby electronic equipment to monitor and control the pipeline operation if required due to major Gas Control Centre equipment failure or building evacuation.
 10. Processes and extracts volumes from electronic real-time measurement system. Calculates volumes manually from meter readings when required.
 11. Develops new methods and procedures to improve efficiency and effectiveness in the performance of the above duties, and to adapt to the rapidly evolving requirements of the department.
 12. Must work on evenings, weekends and holidays to ensure a 24-7 operation year-round. Must also be flexible for scheduling on an on-call basis.
 13. Performs other minor, related duties which do not affect the value of the job.

Qualifications

1. National Diploma from BCIT or similar Institute of Technology in Petroleum and Natural Gas Technology, or equivalent. Must be registered or eligible for registration as a Technologist with the ASTTBC.
2. Ability to pass Operator Qualification Training internal certification. New incumbents must pass certification shortly after beginning work as a Gas Controller.
3. Five years experience in the Natural Gas Industry in a Control, Transmission, Distribution or Production environment.
4. Demonstrated intermediate level computer literacy including demonstrated knowledge of Microsoft products (Excel, Access, PowerPoint, Word, and Outlook) and other applicable software.
5. Demonstrated mechanical aptitude to understand the basics of compressor and control systems.
6. Ability to organize and evaluate data and make related, logical decisions.
7. Demonstrated communication skills, sufficient to write reports and exchange technical information with external Company and Industrial Customer technicians/employees.
8. Demonstrated ability to prioritize workload and endure high levels of work pressure in an environment which can be high stress.

ADDITIONAL INFORMATION:

1. Shift work required (4-on, 4-off, 12-hour shifts).

Please apply online at www.FortisBC.com/Careers