

Harjot Sidhu
12-8 Willowdale cres
Brandon, Manitoba R7B 1A3

Telephone: 204-509-4737
Email: harjotsidhu1990@gmail.com

QUALIFICATIONS & SKILLS

- 2nd Class Power Engineer
- WHMIS Training, Lock-Out Tag-Out, Standard First Aid Level C
- Experienced with operating and maintaining high and low pressure boilers, cooling towers, centrifugal chillers, pumps, air compressors, motors, valves and distributed control system (DCS)
- Advanced knowledge of water treatment system and chemicals such as phosphates, oxygen scavenger, amines for boilers, alternating biocides and zinc based corrosion inhibitor for cooling towers
- Ability to analyze and record instrument readings and troubleshoot malfunctioning equipment
- Ability to read and understand Process Flow diagrams, Piping and Instrumentation diagrams, Material Balance drawings and Construction drawings
- Basic welding and pipe fitting skills
- Proficient with Microsoft Office (Excel, Word, Outlook and PowerPoint)

EDUCATION

Power Engineering Technology Diploma

August 2013 – April 2015

Red River College, Winnipeg, MB | Final GPA: 4.17/4.5

Applied Accounting Certificate

September 2010 – April 2011

Red River College, Winnipeg, MB | Final GPA: 4.13/4.5

EMPLOYMENT HISTORY

Plant Engineer II

February 2018 – Present

Brandon Regional Hospital, Brandon, MB
(1st Class Plant)

- Responsible for safe and efficient operation, maintenance and troubleshooting of watertube boilers, firetube boilers, centrifugal chillers, heating ventilation and air conditioning (HVAC), medical air/vacuum, and mechanical power generation systems.
- Responsible for effective and economical water treatment of boiler feed water and chiller condenser water by operating water softener, reverse osmosis system and adjusting the water treatment chemicals as per the water test results.
- Perform preventive maintenance and repairs on instrument air compressors, air receiver, associated piping and their filtration systems.
- Monitor and adjust heating, ventilation and air conditioning building systems by operating a variety of mechanical, pneumatic and electronic control systems and performing tasks by altering systems operating parameters and schedules.
- Operate and maintain close and open water loop systems such as hot water heating, chilled and condenser water systems. This includes preventive maintenance and repair to distribution piping, pumps, motorized and pneumatic control valves, chemical feed system and heat exchangers.
- Follow standard operating procedures for steam and cooling plant; start-up and shut-down.
- Write safe work permits for company employees and contractors. Carry out isolation, lock out and tag out of equipment
- Preparation of reports including monthly report on water, hydro and energy consumption for the entire hospital and a proper log book for all plant activities.

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Plant Engineer III

August 2015 – January 2018

Dauphin Regional Hospital, Dauphin, MB
(2nd Class Plant)

- Safely operated and maintained the steam boilers, chillers, cooling towers, water softeners, de-alkalizer, HVAC, and medical gas systems.
- Operated building automation system and ensured that all were within their control limits and prompt and timely adjustments were made when necessary.
- Performed daily rounds and routines including shift maintenance, repairs and trouble shooting. Tested and calibrated instruments to ensure proper functionality.
- Performed preventive maintenance and repair work on HVAC equipment relating to air handling units, air filters, humidifiers, heating and cooling coils, control valves, air dampers, hot water circulating pumps and air plenums.
- Locked out and tagged out equipment to carry out maintenance and repair tasks.
- Ensured compliance with safety standards and plant standard operating procedures, including during plant emergencies to safely shut down equipment.
- Prepared a daily energy balance report on plant efficiency, feedwater makeup and natural gas consumption.
- Maintained, cleaned and painted designated area of powerhouse.

Trade Helper (Summer Student)

May 2014 – August 2014

Central Power House, Winnipeg, MB
(1st Class Plant)

- Assisted with plant routine maintenance, prepared high pressure watertube and firetube boilers for inspection
- Performed wet layup on watertube and firetube boilers, installed new gaskets, gauge glass and patched the refractory
- Performed maintenance on chiller system, cleaned condenser pumps strainers, greased cooling tower fan and replaced belts
- Isolated, locked out and tagged out plant equipment and units as per safe work orders
- Performed building facility inspections to ensure safe and efficient operations
- Maintained and used safety and personal protective equipment

Security Officer

Jan 2013 – March 2014

Garda Global Security, Winnipeg, MB

- Wrote reports of daily activities and irregularities such as equipment or property damage
- Answered alarms and investigated disturbances
- Provided advice to staff and clients on security and safety issues
- Operated and maintained a range of security equipment including two-way radios

Cashier, Cook and Delivery Driver

Mar 2011 – Nov 2012

Pizza Pizza Limited, Winnipeg, MB

- Worked as a team member performing cashier duties, product assistance and cleaning
- Maintained up-to-date knowledge of store policies regarding payments, returns and exchanges