

Highlights of Qualification

- Ten years experience in operation, testing, maintenance, troubleshooting, and management of wastewater and water treatment systems.
- Four years experience in wastewater and water works project construction and equipment installation.
- Abound with knowledge and hands-on experience of sample testing in both organic and inorganic lab.
- Extensive mechanical and electrical knowledge of wastewater and water treatment process. Valid Ontario Plumber license.
- Passed Ontario Ministry of Environment (MOE) Wastewater Treatment -1 examinations; hold valid Ontario (MOE) Operator in Training licenses for Water Treatment, Water Distribution, Wastewater Treatment and Wastewater Collection licenses; valid Ontario class "G" driver's license; valid forklift license.
- Successfully completed "Operation of Wastewater Treatment Plants, Volume I" Program from California State University, Sacramento.

Relevant Work Experience

Operation

- Performed operator duties in wastewater treatment plants, groundwater wells, water distribution and wastewater collection system, including: pumping of raw and wastewater, running conventional activated sludge system, disinfection and dechlorination process, sludge dewatering centrifuges , chemical dosing equipment.
- Monitored and operated plant SCADA system. Optimize plant processes, equipment and chemical systems to maintain high process performance and efficiency, regulatory compliance and minimal operating costs.
- Collect plant monitoring samples and daily compliance samples and completed Chain of Custody forms as needed; performed laboratory analyses.
- Interpreted results of laboratory tests to make operational adjustments to chemical feed systems pump settings and other components to maintain high system performance and compliance with local, provincial and federal regulations.
- Maintained and recorded data in wastewater/water treatment plant log books, checklists and computer databases.
- Made process changes based on collected data analysis and visual inspection; troubleshoot process and made process decisions.
- Inspect, maintained and calibrated process equipment (e.g. pumps, motors, chemical feed system, on-line sensors, etc.) to ensure proper operation.
- Unload, handled and stored chemicals and supplies, checked chemical inventory.
- Performed all duties in safe manner in accordance with O H&S ACT and company safety policies and procedures.

Maintenance

- Performed preventative maintenance on pumps, motors, pipelines, and valves.
- Installed water pump, valve, and pipeline in water pumping station.
- Troubleshoot and diagnosed mechanical and electrical problems in wastewater treatment plant and pumping station.

Relevant Work History

Wastewater Plant Operator

October 1, 2009 to March 2010

Rothsay (a Member of Maple Leaf Foods Inc),
Dundas, ON

(Consisting of primary treatment, activated sludge treatment, sludge dewatering and handling, tertiary treatment and other process unit operation)

Lab Technician

February 2005 to October 2009

Maxxam Analytics Inc.,
Mississauga, ON

(Water, wastewater and soil organic extraction analysis)

Plumbing Contractor

January 2004 to October 2004

Vicor Mechanical Ltd.,
Toronto, ON

Water/Wastewater Process Technologist

1996 to 2003

PetroChina Liaoyang Company, Water Supply and Drainage Division,
Liaoyang, China

Water/Wastewater Treatment Technologist

1992 to 1996

PetroChina Liaoyang Company, Phase II Project Department Water Project Office,
Liaoyang, China.

Wastewater Treatment Plant Operator

1989 to 1992

PetroChina Liaoyang Company, No.3 Wastewater Treatment Plant,
Liaoyang, China.

Education

California State University, Sacramento

2010

Certificate of Operation of Wastewater Treatment Plants – Volume I

Shenyang Civil & Architecture Engineering Institute, Shenyang, China

1985 to 1989

B.Eng. Water Supply and Sewage Engineering (Evaluated by Toronto University)