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**OBJECTIVE:** A position as water or wastewater operator, civil or municipal engineer/technician, design draftsman, or contract administrator

**PROFILE:**

- Canadian experience and knowledge of sampling and testing water, soil and construction material samples
- Experienced water treatment plants, distribution, and collection system operator
- Degree in civil engineering and post graduate degree in public health/environmental engineering
- Applied knowledge of **Ontario Safe Drinking Water Act**, Ontario Water Resources Act, O. Reg. 128/04, 129/04, and 170/03
- Proven track record in budget estimates, audits, inspections, progress monitoring tools, and maintenance schedules in Ontario
- Collected and analyzed **water and wastewater samples** in Toronto and Markham for chemical and bacteriological parameters, and **prepared reports**
- Monitored effluent from industries, planned sampling program, and implemented sewer use by laws
- Microsoft office, **AutoCAD**, GIS, Hansen, MS Project, and data management software
- Provided customer service, listened to public complaints and possess excellent verbal communication skills
- Created a number of land surveying projects using modern and conventional instruments like total station, rover, dumpy level, GPS, and theodolite,
- Experienced in use of management tools such as Hansen, AS400, SCADA, Microstation, MS Project, Bentley's products, and LIMS
- MOE-Water Treatment Operator Class II, Water Distribution Class 1, Wastewater Treatment, and Collection System OIT, and Water Quality Analyst  
Authored a technical review appearing at the following link:-  
[http://www.scarborough.peo.on.ca/event\\_reviews/2005\\_june\\_24\\_water\\_filtration\\_to\\_ur/water\\_filtration\\_review.html](http://www.scarborough.peo.on.ca/event_reviews/2005_june_24_water_filtration_to_ur/water_filtration_review.html) (link may not be active currently)

**EXPERIENCE:**

**2007-2008:** Plant Technician, City of Toronto

- Continuously monitored drinking water quality, and tested water samples according to Ontario Safe Drinking Water Act, and O. Reg. 170/03
- Operated process equipment, related appurtenances, SCADA system, security system and sampling instruments
- Performed standby duty as well as overtime work, and have ability to respond quickly to them, and worked on rotating shift schedules
- Evaluated and tested processes and equipment to optimize performance.

- Achieved efficiency and established performance goals utilizing PCS, and POMS
- Made operational decisions and responding to alarm conditions.
- Manipulated and isolated equipment to support/perform maintenance activities
- Used instruments, different kinds of tools, and sound judgment for work as operator
- Inspected and monitored process equipment and related appurtenances and ensured remedial actions initiated in a timely fashion
- Used computerized plant operating systems, tested water samples in plant laboratory
- Performed preventative maintenance diagnostics
- Attended on the job trainings in confined space entry, water testing, prevention of water borne diseases, spill control, and SCBA

**2006-2007: Design Draftsperson-2 with Region of Durham in Works department**

- Maintained utilities database
- Provided assistance to project supervisor, project engineers, contractors, and public
- Helped contract administrators, construction inspectors, engineers, and surveyors with technical information, drawings, and designs
- Reviewed designs and drawings, technically assisted engineers in capital works maintenance, construction, estimating, and record keeping
- Updated information on engineering drawings
- Provided assistance to project engineer as required for water/ wastewater projects
- Used Autodesk, Arc GIS, Valve location System, Contract Management System, and MS Office suite
- Added as built info to CAD files, and learned departmental policies and procedures

**2005-2005: Water/Wastewater Operator, Town of Markham, Ontario**

- Operated wastewater collection system, water distribution system, collected samples, performed general maintenance, and assisted in sewer flushing
- Sampled industrial effluent for chemical analysis to enforce municipal by-laws
- Used automatic sampler or grab sampling techniques for collecting and testing samples from sanitary and storm sewers
- Trained in confined space entry, safe driving practices, WHMIS/MSDS, and Occupational Health and Safety
- Implemented Ontario Water Resources Act (OWRA), Safe Drinking Water Act (SDWA), and Sewer-Use-Bylaw
- Gained knowledge of ISO14001 environmental management systems, and auditing

**1997-2002: Public Works Department, Jammu and Kashmir, India**

- Constructed and maintained residential and public buildings, water treatment plants, roads, and bridges
- Worked as project engineer, supervisor, and environmental engineer, and managed multiple projects simultaneously
- Planned maintenance activities, achieved targets on time, and repaired machines
- Constructed hydroelectric power project, hotel buildings, municipal water and wastewater works
- Constructed irrigation and flood control, canal and river control structures
- Prepared estimates, annual plans, budgets, conducted surveys and prepared designs

- Developed specifications, took measurements, made project schedules, and tracked performance of works

**EDUCATION:**

- 2010 Course in Advanced AutoCAD from YDALC, Toronto
- 2005 Course; *Occupational Health and Safety* Ryerson University Toronto
- 2003-2004 Course; *Advanced AutoCAD* Yorkdale Adult Learning Centre, Toronto
- 1991 - M.E (Public Health), Environmental-All India Institute of Hygiene and Public Health Calcutta, India
- 1982 - B.E (Civil) Regional Engineering College Srinagar, Jammu and Kashmir State India
- 3 Years diploma in civil engineering from Government Polytechnic in India

**PROFESSIONAL AFFILIATIONS:**

1. Engineer in Training with Professional Engineers Ontario, #100067374
2. Member Water Environment Association of Ontario, # 01765932
3. Member Indian Water Works Association, Bombay, India, #LM-1882
4. Member Indian Association for Environmental Management, India #LM-1119
5. Member Institution of Engineers, Calcutta, India # 59970/5

**REFERENCES:** Available upon request