

NAME

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Tel:
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PROFILE

A professional chemical engineer with over 11 years' experience in a manufacturing environment. Expertise in technical support, quality assurance, and health and safety. Innovative, with excellent troubleshooting abilities and data analysis skills.

EXPERIENCE

Technical Support

- ◆ Reduced production downtime by successfully troubleshooting blender problems; recalibrated colortronic blenders to correct overuse of colour concentrate; facilitated better process control by programming additional recipes.
- ◆ Reduced plant water consumption by conducting water balance and identifying several areas for improvement, repairing water pump, hot water valve and cooling tower.
- ◆ Developed bleach system schematic and material/energy balances for chlorine SOP manual.
- ◆ Collected and analyzed data to identify #1 defect problem on high-speed production line. The data analysis indicated the majority of cap defects were missing liners on white caps; solved problem by implementing coloured lining material.
- ◆ Developed and implemented automated data collection system for SPC tests of plastic bottles; data analysis identified some bottle necks which were not capable of meeting specifications; facilitated mold modifications as needed.

Quality Assurance

- ◆ Audited product quality at production facilities and stores across Canada; prioritized areas for improvement with plant management.
- ◆ Trained 7 new hires in Quality Assurance and Quality Control ensuring uniform use of quality auditing criteria and standard QC procedures.
- ◆ Performed a large variety of chemical and physical tests to check quality of materials and parts.
- ◆ Automated quality audit summary calculations and reports using dBase III; eliminated errors and improved efficiency of data processing through program options. Programs are still in use 10 years later because of their success.
- ◆ Coordinated 3R's (Reduce, Reuse, Recycle) audit; compiled company data from several sources for recycling of pallets, HDPE and drums.

Health And Safety

- ◆ Developed and maintained technical drawings and documentation to comply with environmental program; identified numerous problems and worked with maintenance, engineers and contractors to develop and implement solutions.
- ◆ Coordinated workplace inspection program; improved completion rate and follow up system through audit procedures and master list.
- ◆ Analyzed accident/incident trends and developed meaningful shift safety training sessions, which encouraged employee participation.
- ◆ Co-chaired Joint Health and Safety Committee (JH&SC) meetings at production facility (90 employees); reduced problems related to repetitive motion injuries by modifying some equipment and increasing frequency of job rotation.
- ◆ Implemented Job Safety Analysis (JSA) program through shift safety training sessions; this increased employee “ownership” of safety.
- ◆ Coordinated weekly indemnity benefits for approximately 80 union workers; identified several significant payment errors. Processed WCB claims.

WORK HISTORY

C & G CANADA INC. **1992 – 2008**
Quality Engineer (2000-2008)
Production Supervisor (1996-2000)
Environmental, Occupational Health & Safety Coordinator (1992-1996)

EDUCATION/DEVELOPMENT

UNIVERSITY OF WATERLOO
B.Sc., Chemical Engineering

OTHER COURSES

Standard First Aid/CPR
Transportation of Dangerous Goods (TDG)

COMPUTER SKILLS

Excel, Word, Windows, DOS, Lotus 1-2-3, dBase IV, QA/S, FORTRAN

ASSOCIATIONS

Member, Association of Professional Engineers of Ontario
IAPA, Certified Management Representative