

Alison Jean Wilson, P. Eng.

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A Professional Engineer with strong problem solving, quality control, environmental science and troubleshooting skills. Recognized as a fair and effective communicator who thrives in a hands on environment that requires innovative solutions to diverse problems.

Career Experience

Yava Technologies Inc.
Chemical Engineer

Sept. 2013 - Present

This position requires research and development to develop new techniques and processes for the production of products. Using analytical procedures, devise new ways to make products from raw materials, using environmental friendly processes and cost efficiency.

Maxxam Analytics Inc. (Formerly Environmental Services Laboratory Inc.)
Quality Assurance Supervisor

2001 - April 2013

2002 - April 2013

This position requires a strong background in quality management systems (ISO 17025), the ability to motivate staff and present to large groups. As a QA supervisor, you must be able to work effectively with all staff members and provide them guidance and training. Reporting to the QA Manager - Atlantic Region and Laboratory Manager, I am responsible for ensuring all aspects of the laboratory's Quality System, which complies with ISO 17025, is being followed. This includes:

- Implement and monitor Quality Assurance and Quality Control practices to ensure accreditation/certification standards and client requirements are maintained.
- Monitor all internal and external correctives actions to ensure they are completed for process improvement and customer satisfaction.
- Provide staff with QA guidance and training to ensure that the protocols described in the QA Manual are followed.
- Organize Proficiency Evaluations, monitor the results, and prepare responses explaining any deficiencies.
- Ensure method audits are completed as scheduled and findings provided to the Department Managers.
- Ensure Quality Standards are maintained and assist in document control/management and updating Standard Operating Procedures.

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- Provide information about the QA program to clients and regulatory agencies for evaluation as required.
- Establish and maintain a thorough understanding of all relevant guidelines and requirements for the following: CALA, Canada Standards Council, ISO, CCME and EPA.
- Ensure that the laboratory is kept up to date on all changes related to the above programs and ensure changes are incorporated into laboratory's QA manual.
- Construct yearly financial budgets and monitor performance to ensure locations remain within budgeted expenses.
- Provide client presentations on the quality program within the company.
- Work in conjunction with other QA staff to continuously improve the quality system by harmonizing quality practices across the country.

Analyst

2001 - 2002

Working primarily in the Organic section of the lab, I dealt with PAH, PCB and Hydrocarbons testing. Have experience on GC/MS, GC/ECD and GC/FID. Duties included test preparation for all organic testing, equipment operation, maintenance and data processing in a timely and efficient manner for client and company satisfaction. Job duties included:

- Perform method and data validation
- Performs more complex sample preparation & analyses
- Understands analysis procedures and problem solving issues
- Provides input to corrective action procedures
- Actively involved and provides support to ensures that instruments and equipment are maintained
- Participates in developing SOP's and general work instructions
 - Follows Standard Operating Procedures (SOP's) when conducting work
 - Performs sample preparation and procedures prior to analyses
 - Performs some basic testing procedures
- Identifies any non-routine samples and seek guidance on procedures for handling
- Meet quality and TAT specifications required by the client and ensure samples are analyzed within holding time requirements
- Identifies and communicates non conformances to Supervisor
- Employs proper laboratory techniques to minimize risk of mislabelling, sample mix-up and cross contamination between samples and other materials
- Adheres to Maxxam Code of Ethics Policy

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Sydney Steel Corporation
Caster Metallurgist

1995 - 2001
1997 - 2001

This position requires contact with all operating and management personnel for the melt shop and other areas of the plant. Some of my duties were identifying, developing and implementing systems and controls, providing technical direction and assistance to operating personnel, directing and inspecting forces to ensure that all elements are in place to support the manufacture of quality products.

- Developed and implemented a rating systems and database to identify and eliminate problems in semi-finished steel early in the production process.
- Resolved and diverted problems as part of quality team to ensure a high level end product for customers.
- Assessed impact of process changes on all products by using computer database to determine results of innovations.

Process Engineer

1996 - 1997

Inspect and improve equipment, troubleshoot all problems, develop process improvements.

- Recommended and implemented process improvements to increase "free opens" from 15% to 75 - 80% allowing for more efficient, higher quality and safer steel production.

Chemical/Environmental Engineer

1995 - 1996

Become familiar with environmental regulations for air quality and emission testing. Perform air emission and compliance testing.

- Evaluated equipment and implemented changes to improve efficiency of environmental repubilitis and continually meet regulations.
- Wrote proposal and coordinated testing to meet environmental regulations performed by outside contractors.

Cape Breton Wallcoverings
Quality Control Research and Development

1988 - 1991

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This position required close contact and liaison with the workers on the production lines and the lab assistants who worked under my direction.

- Developed color mixing system for plasticals resulting in formulas to improve efficiency of wallpaper coating processes.
- Advised safety and environmental committees on technical matters associated with production.
- Supervised lab personnel in procedures for coloring, cutters and quality control of wallpaper production.
- Purchased raw materials required for production.
- Developed process for managing customer complaints to resolve quality issues.

Education & Training

Technical University of Nova Scotia, Halifax, N.S. 1987
B. Eng. In Chemical Engineering

University College of Cape Breton, Sydney, N.S. 1984
Diploma in Engineering

University College of Cape Breton, Sydney, N.S. 1981 - 1982
Five science credits toward B.Sc.

Additional Training

Air Emission Equipment	Confined Spaces
ISO Internal Auditor	WHIMIS
Train the Trainer	First Aid and CPR
Lock-out Procedures	Transportation of Dangerous Goods

Professional Affiliations

The Association of Professional Engineers of Nova Scotia