

Over 5 years of experience in environmental industry focusing on air quality; comprehensive knowledge and experience in providing environmental regulatory compliance assistance for various industries in the U.S. and Canada; proven work experience including environmental compliance, air dispersion modeling, pollution prevention, emissions reporting and testing; Excellent communication, written, verbal, leadership and negotiation skills; Environmental Engineering bachelor degree in McGill University.

Experience Highlight

Environmental Specialist, AGS Automotive Systems, Toronto, Feb 2012 – Present

- Served as the company expert on U.S. and Canadian environmental compliance across all 6 facilities (e.g., NESHAP/MACT, EPA); investigated and assessed compliance initiatives based on legislation and impact to business and provided consultation and strategies to internal group on corrective actions
- Conducted air quality/noise models such as AERMOD, CALPUFF, ChemCAD and CadnaA, to support project permitting and operations. Certified AERMOD performer and provided environmental software trainings to peers.
- Completed all required reporting, permitting and audits such as TRI, ECA, NPRI, TRA, ChemTRAC, CMP, EASR, GHG, ISO14001, etc. Designed and developed calculating models and databases for the tracking data of annual reports in a logical and concise format, reducing processing time by more than 50%.
- Developed, implemented, and tested plans to minimize environmental risks and identified methods to reduce waste, with an emphasis on pollution prevention (e.g., Toxics Reduction Plan, Environmental Emergency Plan).
- Managed and coordinated of field work and sub-contractors (e.g., stack testing, noise testing)
- Liaised with government agencies and industry associations. Worked closely with outside consultants and represented the company in conferences (e.g., represented the company in conferences of technical standard development for the metal finishing sector with the Ministry of the Environment and Climate Change and Environment Canada).

Environmental Consultant, Cardinal Environmental Consulting Service Ltd. (joint collaboration with AGS Automotive Systems), Toronto, Nov 2011 – Present

- Performed environment compliances, consisted of emission inventory development, data processing, air dispersion and noise modeling and document creation (e.g., successfully delivered over 20 Applications for Environmental Compliance Approval for a variety of industries – Chemical, Manufacturing, Auto, Food)
- Possessed engineering expertise in wide range of environmental software such as AERMOD, SCREEN3, CALPUFF, ChemCAD, STAMSON, CadnaA to support project permitting and operations; provided technical review and QA/QC support for project deliverables as appropriate.
- Lead and supervised field work including site investigation, air quality testing, stack testing, noise/soil/water sampling and noise monitoring
- Operated as part of a client service or client account team member to cultivate client relationships, business growth strategies for one or more targeted clients located in Ontario, Alberta and U.S.
- Liaised and negotiated with relevant government agencies, such as the Ministry of Environment and Climate Change,

Environmental TRA Coordinator, *AGS Automotive Systems, Toronto, Feb 2011 – Feb 2012*

- Conducted air emission and noise testing; Performed data analysis and interpretation
- Responsible for environmental Toxic Reduction Act (TRA) and Regulation compliance
- Developed and implemented Toxic Reduction Act report and plan (e.g., independently completed the first TRA annual reporting project within 2 months)
- Scheduled and managed compliance audits
- Provided project liaison with internal group and relevant regulators
- Prepared and delivered specific environmental trainings at all level of organization

AutoCAD Designer, *Xingguang Construction and Decoration Company, China, Feb 2009 - Nov 2010*

- Prepared drawings and related technical information from preliminary concepts, sketches and specification sheets in support of engineers.
- Assisted in preparing drawings for contract/tender documents.
- Communicated with existing clients and assisted them with their drawing requirements.
- Drew layout of existing facilities and the design of proposed projects for build and tendering purposes; accurately obtained site measurements of layouts for verification.
- Worked alongside a multi-disciplinary management team; Helped on establishing internal drawing standards and procedures.

Education

Bachelor of Civil Engineering specialized in Environmental Engineering, 2008, McGill University

Skills:

*Environmental Software: **AERMOD** (Advanced); **SCREEN3** (Advanced); **CALPUFF** (Intermediate); **ChemCAD** (Advanced); **CadnaA** (Advanced); **STAMSON** (Advanced); **GPS-X** (Advanced); **WaterCAD** (Intermediate)*

*Computer Software: **C++** (Intermediate); **Java** (Intermediate)*

*Software: **AutoCAD** (Advanced); **Excel VBA** (Advanced); **QuickCAD** (Advanced); **3DMAX** (Advanced); **Sketchup** (Advanced); **Google Earth** (Advanced); **MS Office** (Advanced)*

*Languages: **English** (Advanced); **French** (Intermediate)*