

TRACEY FORBISTER, B.Sc. A.Sc.T.

Senior Project Manager

EDUCATION

- B.Sc., Geological Sciences, University of Saskatchewan
- Diploma Civil Engineering Technology, Saskatchewan Technical Institute

EXPERTISE

- Project Management
- Air Quality Senior Technical Review and Advice
- Air Quality Management Plan Preparation
- Ambient Air Quality Measurements Instrumentation
- Regulatory Advice
- Contract Development and Supervision
- Phase I, II ESAs and Remediation
- Remediation Action / Risk Management Plans

TECHNICAL REGISTRATIONS

- G.I.T. – APEGS
- A.Sc.T. - SASTT
- C.E.T. - CTTAM

HEALTH & SAFETY

- POST
- WHMIS
- TDG
- Fire Extinguisher Training
- First Aid
- Suncor, Husky, TransGas and Enbridge Health and Safety Programs
- SLR Health and Safety Program

Mr. Forbister is a Principal Scientist with 28 years of experience in the geo-environmental consulting industry. He has managed and conducted a number of air quality monitoring programs for the private and public sectors. Mr. Forbister is currently the Senior Project Manager for a multi network ambient air quality monitoring program being undertaken as part of the Giant Mine Remediation Project in Yellowknife, Northwest Territories. The ambient air quality monitoring program involves perimeter fence line monitoring, community air quality monitoring, and on-site task specific monitoring. The program includes monitoring for airborne particulate matter (PM_{2.5}, PM₁₀ and TSP), trace metals including arsenic, asbestos, and NO₂. As the Senior Project Manager for this program, he provides daily technical and overall management; direction of work performed by SLR staff (8 persons); provides senior level technical assistance to the project team; client liaison, senior review of daily, weekly, and annual reports, work plan and budget preparation, and all aspects of communicating project details to the client, including budget updates and deliverables.

He has managed ambient air quality monitoring programs for over 23 years in Manitoba and northern British Columbia for wood products companies. The programs have included the monitoring of particulate matter (PM_{2.5}, PM₁₀ and TSP) nitric oxides, ozone, volatile organic compounds (VOCs), formaldehyde, phenols, hydrogen cyanide (HCN), MDI, and meteorological parameters. He was also responsible for the start-up and continued technical support of an ambient air monitoring program conducted during remedial activities at a US Superfund site in Fresno, California. The program included the monitoring of particulate matter, metals, semi-volatile organic compounds, sulphur compounds, and meteorological parameters. Mr. Forbister provided technical support for the design and field supervision of the installation of an ambient air monitoring station in Rainier, Oregon for a local power generation company. The program included the monitoring of particulate matter, nitric oxides, and ozone.

Mr. Forbister has designed and conducted residential indoor air quality program associated with subsurface hydrocarbon impacts on a number of sites in Saskatchewan. He also designed and conducted an indoor air quality monitoring program for a wood products company in British Columbia. The program included the sampling of particulate matter, VOCs, formaldehyde, phenols, MDI, and carbon dioxide (CO₂).

PROJECT EXPERIENCE

- **Senior Project Manager, Public Services and Procurement Canada / Parsons - Giant Mine Remediation Project Ambient Air Quality Monitoring Program**
Responsible for project management, operations management, and technical guidance of a fence line and community based air quality monitoring program at the Giant Mine site in Yellowknife, Northwest Territories. The ongoing scope of work includes installation and operation of up to 30 continuous real-time fence line particulate monitoring samplers measuring TSP and PM₁₀, and integrated metals, and three community-based stations measuring continuous PM_{2.5}, PM₁₀, and NO₂, and for integrated TSP and PM₁₀, trace metals, and asbestos. Measurement of meteorological parameters was also required. The project required rapid mobilization, real-time telemetry from remote locations and continuous web based data publishing for public information.
- **Senior Project Manager, Louisiana-Pacific Canada Ltd. - Wood Products Facility Ambient Air Quality Monitoring**
Responsible for project management, client liaison, deliverables and budgeting associated with the operation of an air quality monitoring programs at wood products manufacturing facilities in Manitoba and British Columbia for a wood products company. The programs have included the monitoring of nitric oxides, ozone, particulate matter, volatile organic compounds (VOCs), formaldehyde, phenols, hydrogen cyanide (HCN), MDI, and meteorological parameters.
- **Senior Project Manager, Government of Yukon – Faro Mine Ambient Air Quality Monitoring**
Responsible for project management, operations management, and technical guidance of a fence line air quality monitoring program at the Faro Mine Complex near Faro Yukon. The scope of work included the measurement of integrated TSP and PM₁₀, and integrated trace metals including lead and zinc. The objective of the program was to monitor for the potential of off-site fugitive dust being generated by construction activities that may affect the air quality in adjacent areas of the mine property. Construction activities were undertaken in an area of elevated lead and zinc concentrations in surface soils as a result of historic mining operation.
- **Senior Project Manager, Yukon Government - National Air Pollution Surveillance Program**
Responsible for project management, client liaison, deliverables and budgeting associated with the operation of the Whitehorse NAPS station in collaboration with the Yukon Government. Network includes monitoring for NO_x, SO₂, O₃, PM_{2.5}, and meteorological parameters.
- **Senior Project Manager, Nunavut Government - National Air Pollution Surveillance Program**
Responsible for project management, client liaison, deliverables and budgeting associated with the initial station installation and calibration of the NAPS station in Kugluktuk, NU. Network includes monitoring for NO_x, SO₂, O₃, PM_{2.5}, and meteorological parameters.
- **Senior Project Manager – OHS Global Solutions – Stanton Territorial Hospital, Yellowknife, NT Ambient Air Quality Monitoring**
Responsible for project management, client liaison, deliverables and budgeting for an ambient air quality and indoor air quality monitoring program during bedrock blasting and drilling for the construction of a hospital in Yellowknife, Northwest Territories.
- **Senior Project Manager, Canfor Ltd. - Wood Products Facility Ambient Air Quality Monitoring**
Responsible for project management, client liaison, deliverables and budgeting associated with the operation for an ambient air quality monitoring programs at wood products manufacturing facilities in British Columbia for a wood products company producing wood energy pellets. The program included the monitoring of particulate matter and meteorological parameters.
- **Senior Project Manager, Lehigh Hanson - Sand and Gravel Mine Ambient Air Quality Monitoring**
Responsible for project management, client liaison, deliverables and budgeting associated with the installation of the multiple PM_{2.5} particulate monitors for a First Nation community outreach program in Seschelt, BC. The program includes real-time monitoring for PM_{2.5} and meteorological parameters.

- **Senior Project Manager - Enbridge Pipelines Inc. - Ambient Air Quality Monitoring**
Responsible for project management, client liaison, deliverables and budgeting for perimeter ambient air quality programs associated with the remediation of a subsurface historic crude oil pipeline releases in Saskatchewan and Manitoba.
- **Senior Project Manager - MLMPL Opacity Emissions Measurement**
Responsible for project management, client liaison, deliverables and budgeting for a US EPA Method 9 visual determination of opacity of emissions at a pulp mill in Meadow Lake, Saskatchewan.
- **Senior Technical Advisor/Field Supervisor - Portland General Electric Power Company**
Responsible for the design and installation of an ambient air quality program in northern Oregon monitoring emissions from a power generation facility.
- **Senior Technical Advisor/Field Supervisor - Purity Oils Sales Superfund Site Ambient Air Quality Monitoring**
Responsible for the design and installation of an ambient air quality program remediation of a refinery Superfund site in California.
- **Senior Project Manager - Various – Soil Vapour Assessments**
Managed and provided senior technical review for subsurface soil vapour assessments, sampling and analysis programs at several sites to determine the vapour inhalation risk to building occupants and receptors. Included installation of soil vapour wells, and development of site-specific soil vapour objectives.

MEMBERSHIPS AND ASSOCIATIONS

- APEGS (2012)
- SASTT (1990)
- CTTAM (2015)

ADDITIONAL TRAINING

- Project Management – SLR 1-Day Training
- Project Management
- Soil Contamination Workshop, Saskatchewan Environmental Industry and Managers Association (SEIMA)
- Methanol Preservation for Volatile Organics in Soil
- CCME Regulatory Update and Air Sampling Workshop
- Understanding the Federal Contaminated Sites Action Plan (FCSAP) Contaminated Site Classification System
- Asbestos Awareness Training Course