

SENIOR ENVIRONMENTAL GEOLOGIST

R.B. (Brent) Murphy, M.Sc., P.Geol.

EBA Engineering Consultants Ltd.

Mr. Murphy, of EBA's Yellowknife office is currently the Manager for Northern Operations in the NWT and Nunavut and has 15 years of experience in the area of applied environmental sciences. In the Northwest Territories, Brent has managed the conduct of baseline environmental studies for the Monopros Kennady Lake project, has provided technical and management services for the Colomac Mine care and maintenance project and provided technical assistance to the Mackenzie Valley Land and Water Group. As a result of this experience, Mr. Murphy has gained a good understanding of the existing and evolving regulatory regimes for the Western Territories and Nunavut.

Before joining EBA, Mr. Murphy was involved extensively in water and groundwater projects in the Maritimes. He has considerable experience in the design, development and evaluation of chemical data relating to regional and project-specific water quality surveys. Project experience includes baseline environmental impact assessments, evaluations of mining and industrial properties and mineral exploration field. He also attained experience in dealing with arsenic related issues having been involved with arsenic related groundwater studies in New Brunswick as well as site-specific arsenic studies in the Northwest Territories. Mr. Murphy has been involved with projects throughout eastern Canada, northern Ontario, Nunavut and the Northwest Territories.

Relevant project experience for Mr. Murphy includes the following:

- Mine Reclamation and Feasibility Studies/Baseline and Operational Monitoring Programs-Environmental Effects Monitoring Programs (EEMP)/Design/Implementation
- Groundwater Resource Studies/Exploration/Development
- Hydrogeological/Geological/Geophysical Investigations
- Environmental Legislation/Provincial and Federal Regulatory Agencies including CEAA, NWT Water Act, MVRMA
- Environmental Impact Assessments/Environmental Audits
- Environmental Management Plans (EMPs)
- Environmental Effect Monitoring Programs (EEMPs)
- Risk Assessments/Compliance Audits
- Remediation (Phase IV ESAs) Systems Design / Construction / Monitoring
- Phase 1, 2 and 3 Environmental Site Assessments / Design / Reporting
- Remediation (Phase IV ESAs) Systems Design / Construction / Monitoring
- Resource Market Analyses and Evaluations

Years of Experience: 15

Education:

B.Sc., St. Francis Xavier University

M.Sc., Geo-Chemistry, Acadia University

Summary of Experience:

15 years - Water Quality Management and Evaluation, EIAs and Environmental baseline studies, EEMPs, Phase 1, 2, 3 and 4 Environmental Site Assessments Design and Reporting; Water Distribution, Maintenance and Treatment; Water and geological investigations; and mine reclamation and related studies. Arsenic chemistry and evaluation of arsenic related contamination issues.

Affiliations:

Member, Geological Association of Canada

Member, Canadian Institute of Mining and Metallurgy

Member, NWT Association of Professional Engineers, Geologists and Geophysicists