World skills on your doorstep

AMEC offers extensive expertise and experience related to the assessment and remediation of contaminated sites. Our experience has led to successful projects in most sectors including mining, petrochemical, heavy industry, municipal developments, transportation and northern development. We are particularly strong in projects involving challenging site conditions and/or cold regions/arctic environments. Our expertise includes:

- Phase I, II and III Environmental Site Assessments
- Brownfield Redevelopment Services
- Site Characterization/Investigation
- Habitat Assessments
- Regulatory and Compliance Strategies
- Permitting
- Options Evaluations, Decision Analyses and Risk Assessments
- Human Health and Ecological Risk Assessments
- Risk Management Plans
- Surface Water and Groundwater Fate and Transport Modeling
- Treatability Studies
- Remediation Options
- Water Treatment Plants
- Passive Treatment Options (e.g. Engineered Wetlands)
- Site Remediation
- Engineering Design Services
- Long-term Monitoring, Reclamation and Closure Services
- Air Quality Monitoring
- Innovative Remedial Actions

Partners in Your Success

Contact Our Representatives

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Contaminated Sites

Shaping the future

Today through tomorrow

AMEC maintains the professional staff and corporate resources to complete projects ranging from preliminary site assessments to large scale remediation programs, including turnkey projects and decommissioning management. AMEC develops integrated remedial solutions that incorporate innovative technologies designed to address complex contamination problems. Our corporate presence throughout Canada provides an inter-disciplinary team with the depth of experience needed to accommodate the complexity and scale of any assignment.

The AMEC advantage

- AMEC is an international engineering services company providing remediation, planning, consulting, investigation, risk assessment, design and program management services.
- We offer our clients a unique partnering approach, based on understanding their needs and goals.
- AMEC's global presence allows us to draw on innovative practices or specialists from the United States, the United Kingdom and elsewhere in our worldwide network of offices.
- We pride ourselves on solving complex problems through knowledge, innovation and technology and continually search for new and better solutions.
- With more than 50 office locations in Canada, from St. John's to Nanaimo, we understand local needs and conditions.

Sharing a century. Building a nation

AMEC is proud to celebrate 100 years in Canada (1907-2007). For a century, our people have led projects that transformed the landscape and helped shape the country. Please allow us to share our century with you. Visit www.amec.com/100years

Sustainable Development

Sustainable development is a core value for AMEC. AMEC has been listed as a sector leader by Dow Jones Sustainability Index for the fourth consecutive year. This ranking is commensurate with the considerable efforts and commitment we put into our sustainability program. We make constant efforts to achieve exceptional standards in each of the elements required in a sustainable business.

Dow Jones Sustainability Indexes
Member 2007/08

Environmental Services, Canadian Forces Base 5 Wing Goose Bay, NL

AMEC has supported the Department of National Defence (DND) at 5 Wing Goose Bay since 1994. We have provided the full spectrum of environmental services to clean up the base. AMEC is assisting DND in finishing site investigations and developing a comprehensive and stepwise clean-up plan. The services include: contaminated sites work plan, groundwater sampling at more than 3,000 monitoring wells, sediment and fish sampling, habitat assessment, ecological studies and risk assessments, designing and installing full scale remediation solutions, and conducting pilot tests of remedial technologies.

Remediation of Two Remote Abandoned Silver Mine Sites, PWGSC, NU

AMEC provided environmental services for Public Works and Government Services Canada (PWGSC) to remediate the Roberts and Ida Bay mine sites which are located in a remote and pristine environment on the Melville Peninsula. AMEC prepared a mine remediation plan which included a review of the preliminary assessment, gap analysis, site investigations, topographic survey, inspection of mine workings, laboratory testing and community consultations. AMEC developed and implemented several remedial options for the mine infrastructure, hazardous materials, mine waste rocks, tailings pond, mine openings and marine sediments.

Radiological Surveys, Low Level Radioactive Waste Management Office (LLWRMO), Bell Rock, NT to Fort Fitzgerald, AB

AMEC completed the design, data collection and interpretation for radiological surveys using state-of-the-art data management equipment and protocols in Bell Rock, Fort Smith and Fort Fitzgerald. The objective was to assemble the data on the nature and extent of soils contaminated with uranium ores and ore concentrates that will be required to support regulatory decisions regarding the future status and management of the subject sites.

Environmental Assessments - Consulting and Auditing Canada, Springhill, NS and Renous, NB

AMEC conducted environmental site assessments (Phase I, II, and III) on seven sites at two federal correctional institutions: Springhill, NS, and Renous, NB. The projects were conducted to assess the presence of contamination at each study area, and/or delineate known contamination in accordance with both the Federal and Provincial guidelines. AMEC sampled soil, groundwater, and bedrock to delineate the contaminated material and fully characterize the subsurface, contaminants, and pathway of migration. A detailed conceptual model of each contaminated site was developed.

Human Health and Ecological Risk Assessment (HHERA), Transport Canada, Charlottetown Wharf, Charlottetown, PEI

AMEC completed a Phase III ESA and HHERA for Transport Canada to delineate and assess known petroleum impacts at the Charlottetown Wharf, Charlottetown, PEI. AMEC conducted an HHERA to assess the risk to the on-site workers and surrounding marine environment with the goal of developing site specific target levels to guide future remediation efforts. Based on the risk assessment, it was determined that there was an unacceptable level of risk to the nearby environment and that further remediation was required.

Environmental Audit & Environmental Site Assessment, PWGSC, Harrington Storage Facility, Queens County, PEI

AMEC was retained by PWGSC, on behalf of the Department of Fisheries and Oceans, to complete an environmental baseline study of DFO's Harrington Storage Facility located in Queens County, PEI. The Harrington Storage Facility consists of two storage buildings and a hangar building. The environmental baseline study included a review of available documentation, personnel interviews, and site inspections. The project scope involved assessing the environmental compliance of the facility with regards to applicable criteria including environmental regulations, codes, guidelines, government policies, and sustainable development strategies.

Agromart Fertilizer Facility Remediation, New Brunswick Department of Transportation (NBDOT), Grand Falls, NB

AMEC conducted a series of phased environmental site assessments at a former fertilizer blending operation, and subsequently developed a strategy for the remediation of a significant quantity of nitrate impacted soil. AMEC developed a phytoremediation strategy in concert with highway construction activities, where the nitrate impacted soil was applied as a topsoil amendment along the slopes of the new highway where vegetation was to be established. The phytoremediation strategy enabled NBDOT to economically dispose of the impacted soil with minimal impacts to the highway construction schedule.