

AECL Research

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Services

AIR POLLUTION CONTROL
HAZARDOUS WASTE
MONITORING
SITE RECLAMATION
SOLID WASTE
WATER & WASTEWATER

Audits/Assessments
Catalysts
Decontamination Systems
Geophysical Services
Geotechnical Studies
Groundwater Monitors
Groundwater Treatment
Hazardous Material Management/Services

Mine Waste
Multi-Disciplinary Services
Radioactive Material Disposal
Remediation Services
Research
Waste Transfer
Wastewater Treatment

Company/Product

Formed as a Crown corporation in 1952, AECL has two operating divisions: AECL Research and AECL CANDU. AECL is responsible for the development and assessment of a concept for the safe disposal of high-level nuclear fuel wastes and the development and demonstration of the supporting technologies. These capabilities have been developed in programs performed at the Underground Research Laboratory (URL) and its laboratories in Chalk River, Ontario and Pinawa, Manitoba. As a leading research facility in the geotechnical field, the URL has played a major role in the development of methodologies for the geological characterization of disposal sites.

AECL Research's experience covers low-level radwaste management, environmental remediation, high-level radioactive waste management, decontamination and decommissioning, radiation protection, and proprietary tritium technology. The company has expertise in the analysis, treatment, and solidification of liquid and solid waste, and is developing soil and groundwater remediation technologies. AECL Research is able to evaluate and advise on the technical and economic aspects of waste management systems. Its involvement covers the full range of operations from generation, through characterization, packaging, transport, processing, and storage, to final disposal. Operations are supported by a significant research and development program at AECL's two large national laboratories.

Current Geographic Marketing Activities

AECL has offices in Buenos Aires, Argentina; Seoul, Korea; The Hague, The Netherlands; Cernavoda, Romania; and in Moscow, Russia. AECL Research has collaborated in research programs with agencies of other countries, including the U.S. Department of Energy, the Japan Atomic Energy Research Institute (JAERI), the Power Reactor and Nuclear Fuel Development Corporation (PNC), Svensk Kärnbränslehantering AB (SKB), and the Agence Nationale pour la Gestion des Déchets Radioactifs (ANDRA) in France.

Contact Sought

AECL offers the benefit of its experience in the form of contract R&D, consulting and engineering services, and technology for exploitation. The company offers independent third-party assessments for programs in other countries and actively seeks international partners for collaborative projects or cooperative R&D.