Environmental Research and Development

In 2007 AMEC launched a new programme to fund projects that promote AMEC's technical excellence.

Overseen by AMEC Earth and Environmental's Technical Council, the Research & Development (R&D) programme seeks to improve AMEC's competitiveness, market share and profitability by improving our expertise and reputation in existing and emerging areas.

Out of 33 submissions received and reviewed, the Technical Council selected seven proposals totalling US$101,481 for funding in the inaugural year of Earth & Environmental's Research & Development Fund.The winning projects cover a broad range of disciplines, markets and geography. They also share common ground in that each offers professional growth opportunities to staff.

"This program is testimony to the importance we place on technical excellence within our company – to the benefit of our professional staff and the people they serve," stated Earth & Environmental President Roger

The selected projects are intended to ensure that AMEC continues to support cutting edge research and remains in a great position to offer clients innovative solutions.

Briefly, the selected projects are:

Nanotechnology: Research into the toxicology of nanotechnology for the production of a book manuscript on Nanotechnology and the Environment.

Subsidence: Acquisition of necessary software and skills to process interferometric synthetic aperture radar (InSAR) satellite data in-house for the measurement of ground subsidence.

Dioxins: Development of a standard toolkit for the evaluation of facilitated transport of semivolatile compounds in order to meet lower dioxin-concentration limit requirements in groundwater.

Stormwater Utilities: Development of software for the creation of an automated financial model for stormwater utility projects.

Thermoplastic Composites: Development of standard test methods to evaluate the quality of thermoplastic composites as they relate to fiber distribution.

Water Quality: Development of an accurate commercial methodology to measure and predict transport and fate of suspended particulate matter in coastal waters.

Sediment Remediation: Development of an activated carbon/contaminant kinetic model and a physical durability model that can be used in future sediment remediation projects.