

# Leading the Launch



IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

*Delivering a payload of  
responsive technologies*



## Technology Deployment



HOME OF SCIENCE AND ENGINEERING SOLUTIONS



## Advanced Tensiometer

### *Problem*

INEEL's Radioactive Waste Management Complex (RWMC) Remediation project needed to calibrate models that predict the movement of water and contaminants through subsurface soil.

### *Baseline Technology*

Mechanical tensiometers.

### *Innovative Technology*

The Advanced Tensiometer uses an electronic pressure sensor to determine soil tension.

### *Comparison*

The Advanced Tensiometer can be deployed at any depth, unlike mechanical tensiometers that can only be used in shallow soil layers.

### *Benefits*

This sensor enabled the project to obtain data required to calibrate models of water and contaminant movement in the Subsurface Disposal Area and underlying geophysical features.

