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PN01-0492-1-8



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Surface Gamma Mapping

Problem

The INEEL's Idaho Nuclear Technology and Engineering Center remediation project needed to map surface radiation levels a person would be exposed to if working above buried high-level waste tanks.

Baseline Technology

Surface radiation mapping by manual grid layout and radiological survey.

Innovative Technology

Surface Gamma Mapping automates mapping of surface radiation levels using a data management system to combine information from a gamma-ray detector and a global positioning system.

Comparison

This system automates the preparation of maps and increases the level of surface radiation detail.

Benefits

This system provides information used to reduce worker exposure during closure and remediation efforts at the Idaho Nuclear Technology Center's high-level waste tank farm.

ENVIRONMENTAL RESTORATION PROGRAM

Project: ID-ER-103
Idaho Nuclear Technology and Engineering Center Remediation

