



Lechler Sprayball

Problem

INEEL's Closure and Stabilization Activities project needed to remove waste from high-level radioactive waste tank walls.

Baseline Technology

Use of the Light Duty Utility Arm to deploy a low-pressure decontamination system.

Innovative Solutions

The Lechler Sprayball is a reciprocating washing system that uses multiple nozzles under high pressure to clean tank walls; attachable camera allows close-up views of areas being washed.

Comparison

The sprayball is more effective than a low-pressure system and is expected to eliminate use of aggressive chemicals.

Benefits

The sprayball enables cleaning and characterization results to meet tank closure requirements.

HIGH LEVEL WASTE PROGRAM

Project: ID-HLW-105
Closure and Stabilization Activities

OST #3138