

**PREFERRING INNOVATIVE, PROVEN TECHNOLOGIES  
OVER CURRENTLY USED BASELINE METHODS  
THROUGH ERIE INTEGRATED DECONTAMINATION AND DECOMMISSIONING PROJECT'**

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**ABSTRACT**

The overall objective of the Accelerated Site Technology Deployment (ASTD) Integrated Decontamination and Decommissioning (ID&D) project is to increase the use of innovative but proven technologies on a large scale in the Decontamination and Decommissioning (D&D) of facilities in the Department of Energy (DOE) complex. The reason for increasing the use of innovative technologies is that each of these technologies has demonstrated improvements over current baseline methods in cost, schedule, waste generation, radiation exposure, or safety. Increased use on a large scale will be accomplished by doing actual D&D projects with the selected innovative technologies, thereby increasing user familiarity and experience with them and adding them to the array of tools available for D&D projects. The novel technologies chosen to be added to the D&D toolbox have all been proven on a smaller scale, either through demonstration in Large Scale Technology Demonstration (LSTD) projects or through commercial use, but they have not been used across the board to decontaminate and decommission facilities in the DOE complex. After completing the project, DOE hopes to see increased use of these technologies that will result in ongoing cost savings at the three participating sites and other sites in the DOE complex.

The ID&D project is a joint effort among the Idaho National Engineering and Environmental Laboratory (INEEL), the Fernald Environmental Management Project (FEMP), and Argonne National Laboratory-East (ANISE).

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