

**D&D Life Cycle Maps: A New Tool Designed for Evaluating, Managing and Integrating EM Deactivation and Decommissioning Activities**

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The Department of Energy's Office of Integration and Disposition, places specific emphasis on establishing a prescriptive, systems engineering approach towards an accelerated clean up vision. Key elements used to achieve the cleanup vision was to integrate cleanup activities among eleven major DOE sites, establish DOE baselines and to identify and evaluate technically defensible integrated alternatives. The INEEL Complex Wide Integration and Disposition group in support of EM-20 has developed environmental restoration waste disposition maps and deactivation and decommissioning Life Cycle Maps that identify technology needs, programmatic barriers to waste disposition and life cycle cost impacts. Implementing waste disposition and life cycle maps assist DOE achieve increased program efficiencies to accelerate cleanup. The goal of waste disposition and life cycle maps is to communicate program activities, provides sites with the capability to develop long-range planning cost and waste volume projections. The maps are instrumental in developing site level regional and complex wide integration strategies pertaining to TSD capacities, removing "stovepipes," applying successes and lessons learned and employing innovative technologies.