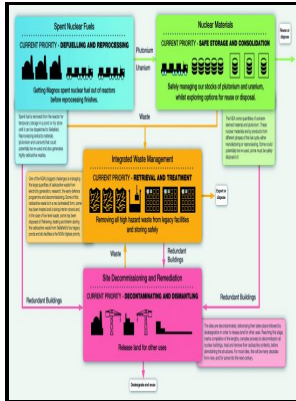


Management of nuclear materials

Van Nostrand - Department of Energy: Poor Management of Nuclear Materials Tracking System Makes Success Unlikely



Description: -

- Management of nuclear materials
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Radioactive Waste Management

Material characterization and packaging, as well as material storage, activities will continue in FB-Line supporting the dissolution of plutonium-bearing residues in HB-Line, the packaging and preparation of other residues for disposition to waste, and the characterization and staging of other plutonium-bearing materials for heat treatment and packaging to the long-term plutonium storage standard. Storage ponds at reactors, and those at centralized facilities such as CLAB in Sweden, are 7-12 metres deep to allow for several metres of water over the used fuel assembled in racks typically about 4 metres long and standing on end. The IMNM EIS grouped the nuclear materials at the SRS into three categories: Stable, Programmatic, and Candidates for Stabilization.

Radioactive Waste Management

HLW has both long-lived and short-lived components, depending on the length of time it will take for the radioactivity of particular radionuclides to decrease to levels that are considered non-hazardous for people and the surrounding environment.

Nuclear Materials

To reduce its volume, LLW is often compacted or incinerated before disposal.

Radioactive Waste Management

Reviews, approves, and inspects quality assurance programs for fabrication of transportation packaging and dry storage systems. Plutonium Stabilization and Packaging for Long-Term Storage The capability to meet the Department's plutonium storage standard, DOE-STD-3013, did not exist at the SRS or any other DOE site at the time of the preparation of the IMNM EIS. Very low-level waste Exempt waste and very low-level waste VLLW contains radioactive materials at a level which is not considered harmful to people or the surrounding environment.

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