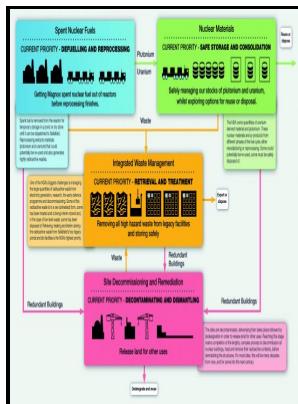


# Management of nuclear materials

## 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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