



SURPLUS PLUTONIUM DISPOSITION PROGRAM: ALTERNATIVES AND SUB-ALTERNATIVES

Preferred Alternative

No Action Alternative

Summary

Use the dilute and dispose strategy to disposition 34 metric tons (MT) of surplus plutonium, including up to 7.1 MT of non-pit surplus plutonium.

Summary

Continued management of both surplus pit and non-pit plutonium. Disposition of up to 7.1 MT non-pit surplus plutonium with an existing disposition decision (dilute and dispose).

Sub-Alternatives & Process Steps

Base Approach Sub-Alternative	SRS Non-Pit Metal Processing (NPMP) Sub-Alternative	All LANL Sub-Alternative	All SRS Sub-Alternative
Pit disassembly (LANL) NPMP (LANL) Dilution (SRS) C&P (SRS) Disposal (WIPP)	Pit disassembly (LANL) NPMP (SRS) Dilution (SRS) C&P (SRS) Disposal (WIPP)	Pit disassembly (LANL) NPMP (LANL) Dilution (LANL) C&P (LANL) Disposal (WIPP)	Pit disassembly (SRS) NPMP (SRS) Dilution (SRS) C&P (SRS) Disposal (WIPP)

Process Steps

Continued pit management (Pantex & LANL) NPMP (LANL or SRS) Dilution (SRS) C&P (SRS) Disposal (WIPP)
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C&P – Characterization and packaging
LANL – Los Alamos National Laboratory
NPMP – Non-Pit Metal Processing
SRS – Savannah River Site
WIPP – Waste Isolation Pilot Plant