

NEPA Status Update

Surplus Plutonium and Spent Nuclear Fuels Disposition

Allen Gunter, Office of the Assistant Manager
for Nuclear Material Stabilization Project, DOE-SR
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Acronyms

- DWPF Defense Waste Processing Facility
- HQ Headquarters
- MT Metric Ton
- NOI Notice of Intent
- ROD Record of Decision
- SA Safety Analysis
- SEIS Supplemental Environmental Impact Statement
- SNF Spent Nuclear Fuel
- WIPP Waste Isolation Pilot Plant



5 Metric Ton (MT) Surplus Non-Pit Plutonium

- Issued an Notice of Intent (NOI) to prepare a Supplemental Environmental Impact Statement (SEIS) – March 28, 2007.
- Alternatives:
 - Plutonium Vitrification (preferred alt)
 - Ceramification
 - Disposition via H Canyon/DWPF
 - etc.



5 MT Surplus Non-Pit Plutonium (cont)

- In Fall 2009 completed an alternatives evaluation for the disposition of the 5 MT.
 - New alternative identified – Blend and ship to WIPP
- Plans are to revised the NOI to include the WIPP option.
- Revised NOI expected to be issued in March/April 2010..
 - Draft revision is under review by HQ
- SEIS expected to take 12 -18 months to complete.



Spent Nuclear Fuels

- Current Record of Decision (ROD) selected melt and dilute as the disposition strategy for Al-clad SNF.
- An analysis of potential disposition and management alternatives for Aluminum-clad SNF is currently underway as part of EM's overall effort to reduce the cost and time of its projects and activities.
- Completion of a Supplement Analysis and Amended ROD will be required prior to implementation of a disposition strategy other than melt and dilute, such as processing the SNF in H-Canyon.

