



Idaho National Laboratory

# **Roles of NSNFP Relative to HLW**

## **NSNFP Strategy Meeting**

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# Discussion Points

- **EM HLW**
- **Current LA coverage**
- **HLW being evaluated for direct disposal**
- **NSNFP coordination**
- **Potential NSNFP Roles**
- **Summary**

# EM HLW

- **DOE EM waste forms**

- HLW borosilicate glass (SRS, WTP)
- HLW and Pu in LaBS glass (SRS)
- HLW with uncertain final form
  - Calcine
  - Cs/Sr capsules
  - Cs casks recently discovered at Oak Ridge
  - Other HLW?

# Current LA Coverage

- **HLW in borosilicate glass**
- **HLW and Pu in LaBS glass**
  - Described in LA section 1.5.1
  - Detail preclosure, postclosure, and criticality analyses required for repository acceptance

# HLW Under Consideration for Direct Disposal

- Calcine in standardized canisters
- Cs/Sr capsules at Hanford
- Other future HLW?

# NSNFP Coordination

- **NSNFP current coordination role**
  - **In Las Vegas - Jim Linhart**
    - **Ensures questions relative to HLW are coordinated with DOE EM sites/HQ**
    - **Conduct bimonthly HLW conference calls to keep sites up to date on issues**
  - **LA and other RW document review**
    - **Distribute LA sections and other RW documents to all HLW participants; provide consistent comments to RW**

# Potential NSNFP Roles

- **Provide central point of communication between DOE EM and RW**
  - **Relative to information/data needs and requests to support LA**
- **Provide resources to evaluate/coordinate potential acceptance of HLW materials not in the current LA**
- **As a central repository of all information and data packages that will be part of LA analyses**

# Summary

- **The NSNFP has**
  - **Coordinated all DOE EM SNF activities**
  - **A very good working relationship with the sites**
- **Borosilicate glass is in LA**
- **LaBS glass is described in the LA**
- **Other HLW forms are being considered**
- **As LA and EM go forward NSNFP can leverage existing organization to benefit HLW**