

Topics:

- Nuclear Materials Disposition Update
- Natural Resource Management & SEPs Update, Fact Sheet - Request for Input on Final Land Use Documents & Drawings of Interest to Committee (hand outs)

Attendees:

CAB members:	Jim Bierer Doug Sarno Bob Tabor
DOE:	Randy Janke John Sattler Gary Stegner
Fluor Daniel Fernald:	Tisha Patton Sue Peterman
FRESH members:	Carol Schroer Edwa Yocum
Ohio EPA:	Tom Ontko

Meeting Summary:

Nuclear Materials Disposition Update

Randy Janke, Department of Energy, presented an update on the nuclear material disposition. Between October 12, 1998 and November 24, 1998, a total of 781 metric tons of materials, which consists of ingots and derbies, U308 from T-hoppers and UF4 will be shipped to the contractor. The 10 - 15 drums of enriched materials, which were emptied from each T-hopper, will be packaged into sealands. The ingots and derbies will be packed into plywood boxes and these will be placed into thorium overpack boxes. The UF4, in 10-gallon cans, will be packed 9 cans per box. The sealands will be loaded onto flatbed trucks and driven to Baltimore, MD. From Baltimore, they will be shipped to the contractor. Randy noted that once the materials leave the Fernald site, they are the property of the contractor. Before they leave, DOE ensures the materials meet the Department of Transportation's highway requirements.

Two issues of focus for Randy and the DOE are 1) the expedition of the declaration of waste in order to create a disposition path to remove the materials from the Fernald Site and 2) to complete an Operational Readiness Review (ORR). Between September 1996 and July 1997, five violations of the Nuclear Criticality Safety rules were found at the Fernald site (the violations concerned procedural problems, i.e. not completing the proper paperwork). DOE felt these violations indicated a site-wide program problem, therefore, ordered an ORR. The ORR is now complete.

In March, Randy wrote a letter to DOE requesting a declaration of waste for depleted uranium materials, however, the DOE is waiting because the material may still have some value. Leah Dever and Jim Hall, the Oak Ridge manager, discussed this issue and Oak Ridge offered to help by assessing which materials could go to Oak Ridge and which materials were likely to be declared waste. Oak Ridge thought that a total of 957 metric tons of materials will likely be declared waste. Of this 957 metric tons, 390 metric tons are low enriched and 567 metric tons are depleted. If a declaration of waste is created, a disposition path can also be created, thus, the material can be moved to Oak Ridge (which is a temporary resting place for the materials and Fernald would no longer be responsible for the materials).



The Oak Ridge assessment is beneficial because it itemizes, with respect to Fernald, each material and thus creates an individualized disposition path. When a clear disposition path is created, total of up to 4,200 metric tons of material can be moved to Oak Ridge's Y-12 for interim storage.

Total Amount of Materials Awaiting Removal from Fernald

<u>Type of Material</u>	<u>Amount (metric tons)</u>
Depleted	3,357
Enriched	1,969.9
Normal	193.4



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