

## Summary of TVA Meeting held 22 April 2009

### Attendees:

<u>TVA</u>	<u>AREVA</u>	<u>MOX Services</u>	<u>ORNL</u>
Ashok Bhatnager	David Brown	D. Stinson	Don Williams
Jack Bailey		S. King	
TA Keys		A. Simonti	<u>DOE</u>
Jim Robert		P. Newby	Dan Stout
Dan Stout		D. Leach	Carol Elliott
		H. Lawrence	Dean Tousley
		R. Whitley	
		W. Elliott	
		D. Martin	
		G. Meyer	
		K. Trice	
		R. Clark	

### **Meeting Discussion**

Jim Robert presented TVA's activities working with DOE-NE to study recycle MOX fuel use in the US and develop a MOX Qualification Plan. TVA has prepared a white paper on the benefits of a recycling center in the Tennessee valley. Much of the work on PWR and BWR MOX is being performed by AREVA and should be completed by August 2009. This includes trying to revise the NRC material classification such that fresh MOX fuel can be more easily transported. The team looking at this includes Energy Northwest. A utility in Florida has also expressed some interest to TVA. A plan to have lead assemblies in US reactors by 2015 was presented.

Also discussed was the need to make fast reactor fuel for the first core of a Advanced Recycle Reactor and the MFFF ability to fabricate this fuel if it is oxide fuel. BWXT is also considered an option for building fast reactor fuel.

MOX Services made many presentations...which are on MOX WIP. A CD containing the presentations was provided to the TVA and DOE attendees at the end of the meeting.

It was agreed that MOX Services should be involved in the transportation regulation revision being proposed and should attend a meeting the week of May 11.

It was agreed that TVA and MOX Services should continue to work together on MOX fuel use and to share lessons learned.

### **Action Items:**

1. Dean Tousley is to verify that utility participation in the WG MOX disposition program would not cause foreign countries to refuse to supply equipment to that utility.
2. David Brown was to prepare a comparison of TVA's LEU fuel with the MOX LTAs and also provide a correct summary of the MOX LTA PIE data.
3. AREVA will be developing a licensing strategy for Rx grade MOX. MOX Services should review and comment on it's applicability to WG MOX.
4. Rodney Whitley is to provide TVA with more information on the NRC review and approval of digital radiography.
5. MOX Services should engage with NEI and INPO on lessons learned and provide TVA with how to access the DOE LL database. Note we also need to be up-to-date on other INPO activities such as Zero Leaking Fuel by 2010.
6. MOX Services should review the proposed NRC material classifications and attend a meeting the week of May 11. (Need more info from TVA on this).
7. TVA to consider drafting a Letter Of Intent to work with MOX Services on WG MOX disposition program. This would include evaluation of using WG MOX in Sequoyah, Bellefonte, and Browns Ferry and review of licensing strategies for MOX fuel.