

Used Fuel Disposition Campaign

UFD Storage and Transportation Work Packages

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Team Members

Argonne National Laboratory
Idaho National Laboratory
Lawrence Livermore National Laboratory
Oak Ridge National Laboratory
Pacific Northwest National Laboratory
Sandia National Laboratories
Savannah River National Laboratory/Savannah River Site

Used Fuel Disposition Working Group Meeting
January 20, 2011
Albuquerque, New Mexico

There are four Work Packages supporting the Storage & Transportation efforts:

1. Security

- Felicia Duran, Lab Lead

2. Conceptual Evaluations

- Ruth Weiner, Lab Lead

3. R&D Opportunities

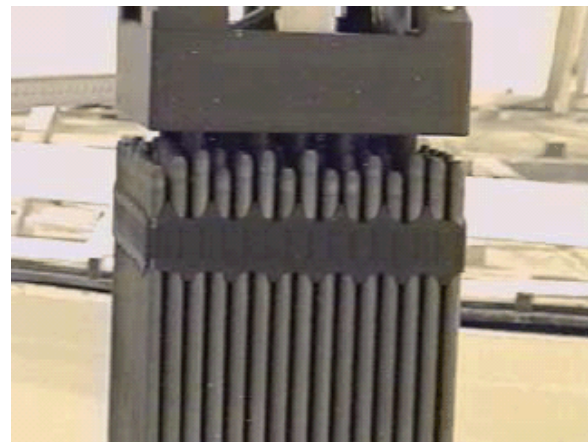
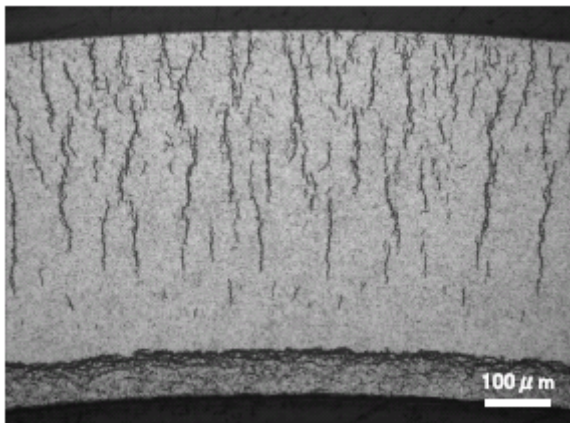
- Brady Hanson, Lab Lead

4. Transportation

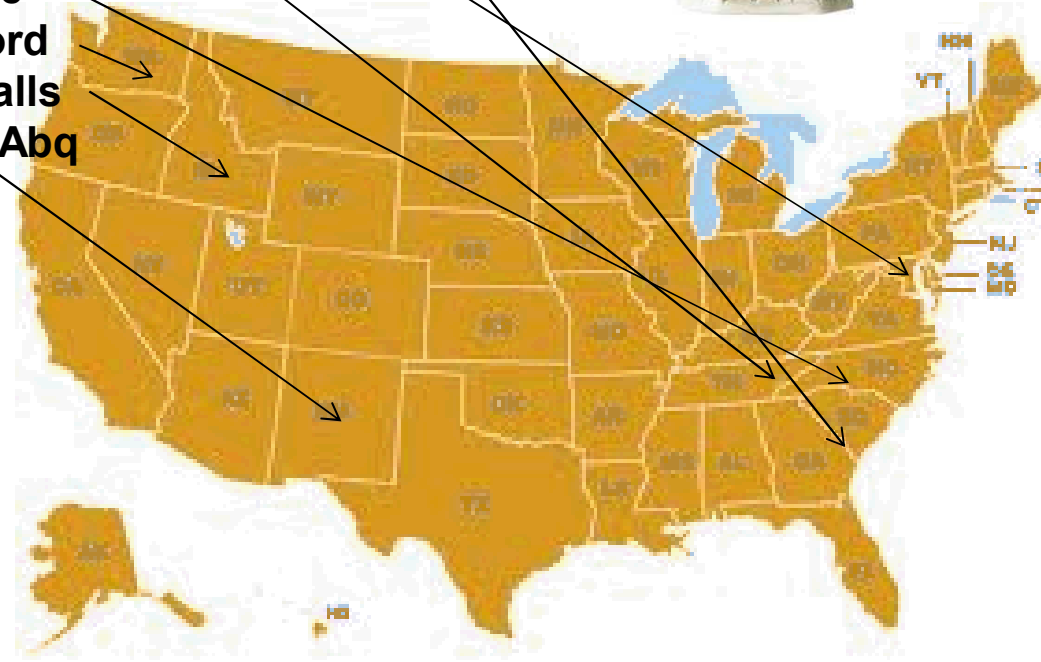
- Paul McConnell, Lab Lead

Overall Objectives:

- Develop the technical bases to demonstrate used fuel integrity for a storage period of up to 300 years.
- Develop technical bases for fuel retrievability and transportation after long term storage.
- Develop the technical basis for transportation of high burnup fuel.



1. EPRI ESCP Mtg: Oct 7, London
2. Concepts Team Mtg: Oct 20, Savannah River
3. SRNS Facility Tour: Oct 21, Savannah River
4. FCT Annual Mtg: Oct 26-28, Gaithersburg
5. Concepts Team Mtg: Dec 1, Oak Ridge
6. ORNL Facility Tour: Dec 2, Oak Ridge
7. EPRI ESCP Mtg: Dec 7-8; Charlotte
8. PNNL Facility Tour; Dec 14; Hanford
9. INL Facility Tour; Dec 15; Idaho Falls
10. WP Working Group Mtgs, Jan 18, Abq
 - Concepts
 - Security
 - Transportation
11. WP conference calls



Used Fuel Disposition

Some of the Major S & T Issues Being Tracked

Security

- Material Attractiveness
- Spent Fuel Standard

Concept Evaluations

- BRC deliberations
 - centralized interim storage
 - de-fueling of orphaned sites
- NRC Rule-making
 - Extension of storage times
 - Recent RAIs for extension of existing licenses (e.g., Calvert Cliffs)

R&D Opportunities

- NRC and NWTRB data gap analyses
- Collaboration with international organizations on technical issues

Transportation

- Retrievability
- High burnup fuels