

WM2014 Conference Panel Report

PANEL SESSION 82: US DOE Featured Site – Los Alamos National Laboratory

Co-Chairs: **Paul Henry**, *Los Alamos National Laboratory*
Jeff Mousseau, *Los Alamos National Laboratory*

Panel Reporter: **Susan Stiger**, *Bechtel*

Panelists:

- **Ryan Flynn**, *New Mexico Environment Department*
- **Joe Franco**, *Waste Isolation Pilot Plant*
- **Rod Baltzer**, *Waste Control Specialists*
- **Jim Malmo**, *Advanced Mixed Waste Treatment Project*
- **Frank Marcinowski**, *US Department of Energy*
- **Jeff Mousseau**, *Los Alamos National Laboratory*
- **Michael Graham**, *Bechtel*
- **Miles Smith**, *EnergySolutions*
- **Dave Nickless**, *DOE Los Alamos Site Office*
- **Dan Cox**, *Los Alamos National Laboratory*
- **Kathy Johns Hughes**, *Los Alamos National Laboratory*
- **Steve Clemons**, *Los Alamos National Laboratory*

This session provided information on recent progress, efforts to overcome challenges, and highlights in planned radioactive waste management, waste disposition, and environmental remediation at the Los Alamos National Laboratory (LANL). The session focused principally on the 3706 Transuranic Waste Campaign to disposition 3706 m³ of LANL's transuranic waste inventory stored aboveground by June 30, 2014.

Disposition of this inventory is a high priority for LANL, the Department of Energy, and the State of New Mexico, under a Framework Agreement between DOE/NNSA and the State of New Mexico to realign environmental priorities. Under this voluntary agreement, DOE/NNSA agrees to continue to accelerate the disposition of transuranic waste and to complete removal of all non-cemented legacy and newly generated transuranic waste stored aboveground by June 30, 2014.

Jeff Mousseau began the session with a video overview of the waste campaign and the key factors influencing successful progress. The session also highlighted the cooperative relationship between LANL, WIPP, the Idaho National Laboratory, *EnergySolutions* and Waste Control Specialists to effectively expedite waste disposition from the Laboratory. Through the first quarter of fiscal year 2014, 3053 m³ had been repackaged and shipped, over 80% of the total 3706 m³ inventory.

The Panel provided an interactive discussion and engaged with the audience on the following topics:

- How to ensure multiple sites work effectively together to support the LANL legacy TRU waste campaign

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- Elements of other successful projects at LANL and how they were factored into the 3706 campaign
- Safety lessons from waste repackaging and application to future cleanup work at LANL and elsewhere
- Key factors in obtaining supplemental appropriations and budget increase to support this effort
- Culture changes at LANL that were significant in implementing this campaign
- Priorities and focus for future cleanup efforts at LANL
- Common factors in transuranic waste disposition at the Idaho National Laboratory and LANL
- WIPP's role in this campaign and lessons to be carried forward to other DOE complex disposition initiatives
- LANL's first shipment of mixed low-level waste to the WCS facility in Andrews, TX
- The use of the INL Advanced Mixed Waste Facility to process several LANL waste boxes and other regional treatment opportunities.