

May 21, 2003

MEMORANDUM TO: M. Wayne Hodges, Deputy Director
Technical Review Directorate
Spent Fuel Project Office, NMSS

FROM: Christopher S. Bajwa, Thermal Engineer /RA/
Technical Review Section B
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF MAY 8, 2003, PUBLIC MEETING WITH STATE OF
NEVADA AGENCY FOR NUCLEAR PROJECTS TO DISCUSS THE
STAFF'S REVIEW AND ANALYSIS OF THE BALTIMORE TUNNEL
FIRE EVENT

Background

A meeting was held on May 8, 2003, in Rockville, Maryland, at the request of the State of Nevada to discuss the staff's review and analysis of the Baltimore Tunnel Fire event. The meeting was noticed on April 15, 2003. The meeting included presentations by U.S. Nuclear Regulatory Commission (NRC) contractors from the National Institute of Standards and Technology (NIST), the Center for Nuclear Waste Regulatory Analyses (CNWRA), and Pacific Northwest National Labs (PNNL). The slides presented at the meeting are included as an attachment (ADAMS Package ML031400717). No regulatory decisions were made nor requested at the meeting. No proprietary information was discussed at the meeting.

Discussion

An overview of the staff's approach to the review and analysis of the Baltimore tunnel fire event was provided by NRC staff. This was followed by a presentation on the tunnel fire model, developed by NIST, of the Howard Street tunnel fire. Staff from CNWRA presented the metallurgical analyses and numerical modeling done to determine the temperature and time exposures of materials removed from the Howard Street tunnel following the fire. Finally, representatives from PNNL presented their analysis of a spent fuel transportation cask, based on the fire conditions predicted in the NIST tunnel fire model.

Questions from representatives of the State of Nevada were provided following each of the presentations. A time for discussion of the staff's analysis was also provided following the formal presentations. Members of the public who attended the meeting were given an opportunity to ask questions and make comments. No comments or questions were received from the public.

Attachments: 1. Meeting Attendees
2. Meeting Presentation Slides
3. NIST Tunnel Fire Model Data
4. Official Transcript of the Proceedings

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ADAMS Pkg ML031400717

OFC:	SFPO	SFPO						
NAME:	CBajwa	JGuttmann						
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Meeting Attendees

<u>Name</u>	<u>Affiliation</u>
M. Wayne Hodges	Director, Technical Review, SFPO
Christopher S. Bajwa	SFPO
Harold Adkins	Pacific Northwest National Labs
Darrell Dunn	Center for Nuclear Waste Regulatory Analysis
Andre Garabedian	Center for Nuclear Waste Regulatory Analysis
Kevin McGrattan	National Institute of Standards and Technology
Robert J. Halstead	State of Nevada Agency for Nuclear Projects
Merritt Birky	Consultant to the State of Nevada
Richard C. Moore	Consultant to the State of Nevada
Marvin Resnikoff	Radioactive Waste Management Associates