

February 12, 2019

Title: Phenomenon Identification and Ranking Table (PIRT) Panel Discussion on Degradation and Failure Phenomena of Chrome Coated Zirconium Alloy Cladding

Date(s) and Time(s): April 23, 2019, 08:00 AM to 05:00 PM

Location: Teleconference

Category: This is a Category 1 meeting. The public is invited to observe this meeting and will have one or more opportunities to communicate with the NRC after the business portion of the meeting but before the meeting is adjourned.

Purpose: Conduct expert elicitation on degradation and failure phenomena of chrome coated zirconium alloy cladding and complete phenomenon identification and ranking table (PIRT).

Current list of expert panelists:

Charles Berger, Hitemco

Michael Corradini, University of Wisconsin

Neal Pierce, Hohman Plating

David Senior, Pacific Northwest National Laboratory

Koroush Shirvan, Massachusetts Institute of Technology

Gregg Swindlehurst, GS Nuclear Consulting

Jeff Venarsky, Pacific Northwest National Laboratory

Douglas Wolfe, Applied Research Laboratory, the Pennsylvania State University

Contact:	James Corson	Andrew Proffitt
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	james.corson@nrc.gov	andrew.proffitt@nrc.gov

Participants:	<u>NRC</u>	<u>External</u>
	Office of Nuclear Regulatory Research	Pacific Northwest National Lab
	Office of Nuclear Reactor Regulation	

Teleconference:	<u>Bridge Number</u>	<u>Pass Code</u>
	(888) 658-9011	5746021

Comments: The public is invited to observe this meeting and will have an opportunity to communicate with the NRC after the business portions, but before the meeting is adjourned. Certain portions of this meeting may be closed to the public if the staff determines that proprietary information will be discussed.

Additional details including call in, video streaming, and presentation material information can be found at:

<http://pnnl.cvent.com/events/expert-panel-review-of-cr-coated-nuclear-fuel-cladding/event-summary-311e444b283f4dfc97dedd1345fa9bfe.aspx>

PUBLIC MEETING AGENDA

Phenomenon Identification and Ranking Table (PIRT) Panel Discussion on Degradation and Failure Phenomena of Chrome Coated Zirconium Alloy Cladding

April 23, 2019, 08:00 AM to 05:00 PM

Teleconference

Tuesday, April 23, 2019		
TIME	TOPIC	PARTICIPANTS
7:30 am	Arrive at Pacific Northwest National Laboratory Discovery Hall – Horizon Room E 650 Horn Rapids Road, Richland, WA 99354	
7:30 – 8:00 am	Registration	
8:00 – 8:30 am	Opening & Introductions	<i>Ken Geelhood</i>
8:30 – 9:30 am	PNNL Presentation of Report	<i>Ken Geelhood</i>
9:30 – 10:00 am	PNNL Presentation on general background on steady state, AOO, and DBA environments	<i>Ken Geelhood</i>
10:00 – 10:15 am	Break	
10:15 – 11:00 am	Panelists Presentations of prepared materials on their areas of expertise	<i>Ken Geelhood for Chuck Berger</i>
11:00 am – 12:00 pm	Panelists Presentations of prepared materials on their areas of expertise	<i>Ken Geelhood for Dave Senor</i>
12:00 – 1:00 pm	Working Lunch: Increasing LWR fuel enrichment above 5% to support NNSA tritium production goals*	<i>Bruce Reid</i>
1:00 – 1:45 pm	Panelists Presentations of prepared materials on their areas of expertise	<i>Neal Pierce</i>
1:45 – 2:30 pm	Panelists Presentations of prepared materials on their areas of expertise	<i>Doug Wolfe</i>
2:30 – 2:45 pm	Break	
2:45 – 3:30 pm	Panelists Presentations of prepared materials on their areas of expertise	<i>Jeff Venarsky</i>
3:30 – 4:30 pm	Open Discussion on Presentations	<i>All</i>
4:30 pm	Day 1 Concludes **At the conclusion of each presentation, comments from the public will be accepted.	
Wednesday, April 24, 2019		
8:00 – 8:30 am	Attendee Check-in	
8:30 – 9:30 am	Panelists Presentations of prepared materials on their areas of expertise	<i>Koroush Shirvan</i>
9:30 – 10:30 am	Panelists Presentations of prepared materials on their areas of expertise	<i>Michael Corradini</i>
10:30 – 10:45 am	Break	
10:45 – 11:45 am	Panelists Presentations of prepared materials on their areas of expertise	<i>Gregg Swindlehurst</i>
11:45 am – 1:00 pm	Working Lunch: Process Developments in Fabricating U-10Mo Plate Fuel*	<i>Chad Painter</i>
1:00 – 2:30 pm	Resolve comments and issues	<i>All</i>
2:30 – 2:45 pm	Break	
2:45 – 4:30 pm	Discussion and decisions on significance and knowledge level rankings of degradation and failure modes to support PIRT activity	<i>Ken Geelhood</i>
4:30 pm	Day 2 Concludes **At the conclusion of each presentation, comments from the public will be accepted.	
Thursday, April 25, 2019		
7:30 – 8:00 am	Attendee Check-in	
8:00 – 9:00 am	Experts to Provide Rankings in PIRT table	<i>Ken Geelhood</i>
9:00 – 10:00 am	Discussion on how to capture rankings in report	<i>Ken Geelhood</i>
10:00 – 10:15 am	Break	
10:15 – 11:00 am	Show results from PIRT	<i>Ken Geelhood</i>
11:00 am – 12:00 pm	Discussion on update to report including PIRT and expert comments	<i>Ken Geelhood</i>
12:00 – 1:00 pm	Working Lunch: NRC plans for report	<i>Andrew Proffitt</i>
1:00 – 2:30 pm	Finish PIRT and Augmented Report	<i>Ken Geelhood</i>
2:30 – 2:45 pm	Break	
2:45 – 3:15 pm	Meeting Public Comment	<i>Andrew Proffitt</i>

The time of the meeting is local to the jurisdiction where the meeting is being held.

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If reasonable accommodation is needed to participate in this meeting, or if a meeting notice, transcript, or other information from this meeting is needed in another format (e.g., Braille, large print), please notify the NRC meeting contact. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

ADAMS Accession Number: ML19113A154

Name	DMorey	AProffitt
Office	NRR	NRR
Date	02/12/2019	02/12/2019

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Link to meeting details: <https://www.nrc.gov/pmns/mtg?do=details&Code=20190119>