

April 3, 2014

MEMORANDUM TO: Anthony J. Mendiola, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Jonathan G. Rowley, Project Manager /RA/
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING PRE-SUBMITTAL MEETING WITH THE
PRESSURIZED WATER REACTOR OWNERS GROUP (PWROG)
FOR A COMPREHENSIVE DISCUSSION OF TOPICAL REPORT
WCAP-17788-NP

DATE & TIME: Wednesday, April 16, 2014
8:30 a.m. - 4:30 p.m.

LOCATION: U.S. Nuclear Regulatory Commission (NRC)
One White Flint North
11555 Rockville Pike, Room O1F16/O1G16
Rockville, MD 20852

PURPOSE: The purpose of the pre-submittal meeting is to have a comprehensive
discussion of all aspects of the forthcoming Topical Report
WCAP-17788-NP.

NOTE: Interested members of the public can participate in this meeting via a
toll-free audio teleconference. For additional details, please call the
NRC meeting contacts listed on the NRC Public Meeting Notice.
Seating may be limited and will be available on a first-come basis.
Inform the NRC's meeting contacts of your intention to attend by
April 14, 2014.

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

CATEGORY 2*: This is a Category 2 Meeting: The public is invited to participate in
this meeting by discussing regulatory Issues with the NRC at
designated points identified on the agenda.

MEETING CONTACTS: Jonathan Rowley Ekaterina Lenning
301-415-4053 301-415-3151
Jonathan.Rowley@nrc.gov Ekaterina.Lenning@nrc.gov

*Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings,"

(67 *FR* 36920), May 28, 2002

A. Mendiola

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PARTICIPANTS: Participants from the NRC include members of the Office of Nuclear Reactor Regulation.

NRC

Leonard Ward
John Stang

Jeremy Dean
Paul Klein

Steve Smith
Jonathan Rowley, et al.

PWROG

Tim Andreychek – Westinghouse Electric Company
Jeffrey Brown – Arizona Public Service
Tim Croyle – Westinghouse Electric Company
John Maruschak – Westinghouse Electric Company
James Spring – Westinghouse Electric Company
Gordon Wissinger – AREVA NP, Inc., et al.

Project No. 694

Enclosure:
Agenda

cc w/encl: see next page

A. Mendiola

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AGENDA

UNITED STATES NUCLEAR REGULATORY COMMISSION (NRC) PRE-SUBMITTAL MEETING WITH THE PRESSURIZER WATER REACTOR OWNERS GROUP REGARDING TOPICAL REPORT WCAP-17788-NP

April 16, 2014

Time	Subject	Presenter(s)
8:30 - 8:40 a.m.	Welcome, Introductions	J Rowley (NRC)
8:40 - 8:50 a.m.	Opening Remarks	PWROG, NRC
8:50 - 9:15 a.m.	PWROG Program - Introduction <ul style="list-style-type: none">• High-Level Overview (Process Diagram and WCAP volumes/timeframes)• Overall path to fuel limits and closure• Plant status	Brown/Croyle
9:15 - 10:00 a.m.	Thermal Hydraulics (T/H) Analyses and Alternate Flow Path Evaluation <ul style="list-style-type: none">• Recap of April 1 meeting content and takeaways• Review scope of near-term NRC feedback to support program decisions for testing and future T/H analyses• Review testing for alternate flow path validation	Spring (Westinghouse), Wissinger (AREVA)
10:00 - 10:15 a.m.	Opportunity for Public Comment/Break	
10:15 - 11:15 a.m.	Chemical Effects <ul style="list-style-type: none">• Review results (in detail)• In-bag/out-of-bag and chemical effects testing• How it will be used (in conjunction with T/H analyses and future tests)	Andreychek (Westinghouse)
11:15 a.m. - 12:00 p.m.	Subscale and Fuel Testing <ul style="list-style-type: none">• Review of subscale test loop, conditions, test series, results, conclusions	Andreychek (Westinghouse) Spring (Westinghouse) Wissinger (AREVA)
12:00 - 12:45 p.m.	Lunch	
12:45 - 2:00 p.m.	Subscale and Fuel Testing (cont.) <ul style="list-style-type: none">• Discussions on fiber and particulate type and size, particulate to fiber ratio, temperature• Scaling and use of subscale tests to develop differential pressure (dP) vs. fiber relationships• Upcoming chemical corrosion tests and possibility of fuel assembly tests	

ENCLOSURE

2:00 - 2:30 p.m.	Cold Leg Break Methodology <ul style="list-style-type: none">• Methods, strategy (plant-specific calculations using methods from a WCAP), sample, summary of results (# of plants in each category of fiber limits)	Croyle (Westinghouse), Andreycheck (Westinghouse)
2:30 - 2:45 p.m.	Opportunity for Public Comment/Break	
2:45 - 3:25 p.m.	Upper Plenum Injection (UPI) Plant Evaluations <ul style="list-style-type: none">• Chemical Effects Work Applicability• UPI Hot Leg Break and the Cold Leg Break (CLB) methodology• UPI CLBs and the T/H calculations and fuel testing	Andreychek (Westinghouse), Spring (Westinghouse)
3:25 - 3:50 p.m.	Staff Breakout	NRC
3:50 - 4:15 p.m.	Staff Feedback	NRC
4:15 - 4:20 p.m.	Opportunity for Public Comment	NRC
4:20 - 4:30 p.m.	Closing Remarks	NRC/PWROG
4:30 p.m.	Adjourn	

PWR Owners Group
cc:

Project No. 694

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