

September 13, 2011

MEMORANDUM TO: John R. Jolicoeur, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Andrew L. Hon, Project Manager **/RA/**
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 17, 2011, PARTIALLY CLOSED PRE-SUBMITTAL MEETING WITH BOILING WATER REACTOR VESSEL INTERNALS PROJECT (BWRVIP) ON TECHNICAL REPORT 62 REVISION 1

On August 17, 2011, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of BWRVIP at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. This public meeting notice is available in the Agencywide Documents Access and Management System (ADAMS) as Accession No. ML112060891. The purpose of the meeting was to discuss information regarding an expected topical report submittal. A list of attendees is enclosed.

The BWRVIP representatives presented information on BWRVIP-62 Revision 1: Technical Basis for Inspection Relief for BWR Internal Components with Hydrogen Injection. The handouts are available under ADAMS Accession No. ML11214A019.

A member of the public participated in the open portion of this meeting by telephone. In order to make as much information as possible available to the public, the Electric Power Research Institute (EPRI) presented the non-proprietary version of the slides docketed above. It included BWRVIP's technical approach, submittal schedule, and the fee waiver request plan.

The member of the public raised the following questions to the BWRVIP representatives:

1. BWRVIP-62NP-A states that Noble metals chemical addition (NMCA) applies two noble metals to make a more adherent deposit, but OLNC applies only one noble metal.
2. Is On-line NobleChemTM (OLNC) applied more frequently to try to compensate for the poorer durability?
3. Since the OLNC deposit is less durable than NMCA, will your Revision 1 submittal include documentation of in-plant durability coupons taken between annual OLNC applications to demonstrate that OLNC applications maintain 0.1 ug/cm² of platinum between annual applications as required by BWRVIP-62NP-A?
4. In Slide 12, you are attempting to eliminate the requirements of depositing and maintaining at least 0.1 ug/cm² of platinum which is currently measured by durability coupons, per BWRVIP-62NP-A. Are you requesting the less conservative standard because OLNC cannot meet the current NRC durability and application requirements of 0.1 ug/cm² of platinum?
5. Specifically regarding deposition and durability measurement requirements at the 12 boiling water reactors (BWRs) that are using OLNC, what guidelines are those 12 BWRs attempting to meet: the guidelines of BWRVIP-62NP-A or the guidelines of BWRVIP-62 Revision 1?

6. Platinum is injected into the feedwater for the OLN application and at least one of General Electric Hitachi's patents claims that the platinum deposition rate is higher at feedwater temperatures than at the reactor coolant temperatures. Have any of the plants applying OLN had any problems with heavy deposits in the feedwater system or in the platinum injection line? If so, will this information be provided in your revision 1 submittal?

BWRVIP representatives elected to respond to these questions to the extent possible without releasing proprietary information to be represented in the close portion of the meeting. In general terms, field experience showed these issues should not be significant concerns. The NRC staff encouraged the BWRVIP representatives to specifically address these questions in detail in the final TR submittal.

During the closed portion of the meeting, BWRVIP representatives presented additional proprietary and quantitative details that addressed some of above questions. These analysis details will be part of the final TR submittal.

Finally, the BWRVIP representatives indicated that this TR would be submitted to the NRC in the later part of this calendar year with a fee-waiver request.

Please direct any inquiries to me at 301-415-8480, or Andrew.Hon@nrc.gov

Project No. 704

Enclosure:
List of Attendees

cc w/encl: See next page

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THE U.S. NUCLEAR REGULATORY COMMISSION (NRC)
AND BOILING WATER REACTOR VESSEL INTERNALS PROJECT (BWRVIP)

August 17, 2011

	Name	Company
1	Andy Hon	NRC/NRR/DPR/PLPB
2	Drew Odell	Exelon
3	Raj Pathania	EPRI
4	LARRY STEINMETZ	EPRI
5	Joseph F. Giannelli	Finetech
6	MICHAEL NORATO	NRC/NAD/DE/CIA2
7	JAY WALLACE	NRC/NRR/DCI/CPNB
8	John TSOO	NRC/NRR/DCI/CPNB
9	Kristi White	Progress Energy
10	DAVID ALLEN	NRC/NRR/DCI/CPNB
11	Simon Sheng	NRC/NRR/DCI/CVIB
12	Ganesh Charuvenki	NRC/NRR/DCI/CVIB
13 *	Marcella Wilson	Self (Public)

* By telephone

ENCLOSURE