

May 14, 2012

Mr. David Czufin, Chairman
Exelon Generation
Chairman, BWR Vessel and Internals Project
Electric Power Research Institute
3420 Hillview Avenue
Palo Alto, CA 94304-1395

SUBJECT: ELECTRIC POWER RESEARCH INSTITUTE FINAL SAFETY EVALUATION FOR
TECHNICAL REPORT 1016574 "BWRVIP-138, REVISION 1: BWR [BOILING
WATER REACTOR] VESSEL AND INTERNALS PROJECT 'UPDATED JET PUMP
BEAM INSPECTION AND FLAW EVALUATION GUIDELINES'" (TAC NO. ME2191)

Dear Mr. Czufin:

By letter dated March 9, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML090760972), the Boiling Water Reactor Vessel and Internals Project (BWRVIP) submitted the Electric Power Research Institute Technical Report (TR) 1016574, "BWRVIP-138, Revision 1: BWR Vessel and Internals Project, 'Updated Jet Pump Beam Inspection and Flaw Evaluation Guidelines'" to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. This submittal was supplemented by letter dated May 17, 2011 (ADAMS Accession No. ML11139A150), in response to the staff's request for additional information (RAI) dated June 2, 2010 (ADAMS Accession No. ML101230464). The TR provides the technical basis for the initial in-service inspection based on crack initiation test results as well as justification for subsequent inspection intervals based on flaw tolerance and crack growth rates for jet pump beams.

By letter dated January 30, 2012, an NRC draft safety evaluation (SE) (ADAMS Accession No. ML113400194) was provided for your review and comment on factual accuracy and proprietary information withholding. By letter dated February 29, 2012 (ADAMS Accession No. ML12061A272), the BWRVIP responded that:

EPRI has determined that there is EPRI proprietary information in the draft SE. Enclosed is the draft SE with EPRI proprietary information highlighted with yellow shading. This information is considered "trade secrets" in accordance with 10 CFR 2.390.... The BWRVIP has only one comment regarding factual errors or clarity concerns in the draft SE. Section 4.1.1 of the draft SE states: "As discussed in Section 3.1 of this SE, Table 2.1 of the submittal should be revised to reflect..." However, Section 3.1 of the draft SE does not discuss Table 2.1 of the submittal.

The NRC staff agrees with this proprietary determination and the above comment which has been incorporated in the enclosed final SE. Enclosure 1 is the non-proprietary redacted version and Enclosure 2 is the proprietary full version

NOTICE: Enclosure 2 transmitted herewith contains Proprietary information. When separated from Enclosure 2, this document is decontrolled.

D. Czufin

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The NRC staff has found that TR 1016574, "BWRVIP-138, Revision 1: BWR Vessel and Internals Project, 'Updated Jet Pump Beam Inspection and Flaw Evaluation Guidelines'" and related subsequent submittals are acceptable for referencing in licensing applications for BWRVIP boiling water reactors to the extent specified and under the limitations delineated in the TR and in the enclosed final SE.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the acceptable material described in the TR. When the TR appears as a reference in license applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant specific review in accordance with applicable review standards.

We request that EPRI publish an accepted version of this TR following the guidance provided on the NRC website within three months of receipt of this letter. The accepted version should incorporate this letter and the enclosed final SE after the title page. Also, the accepted version should contain historical review information, including NRC's RAI and your responses. The accepted version should include an "-A" (designating accepted) following the TR identification symbol.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, EPRI and/or licensees referencing it will be expected to revise the TR appropriately, or justify its continued applicability for subsequent referencing.

Sincerely,

/RA/

Sher Bahadur, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 704

Enclosure:

1. Final SE (Non-Proprietary version) ML12080A134
2. Final SE (Proprietary version) ML12080A136

cc w/ encl 1: See next page

D. Czufin

-2-

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Sher Bahadur, Deputy Director
Division of Policy and Rulemaking
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1. Final SE (Non-Proprietary version) ML12080A134
2. Final SE (Proprietary version) ML12080A136

cc w/ encl 1: See next page

**ADAMS Accession Nos.: Package: ML12080A146, Cover letter: ML12080A139,
Non-Proprietary Final SE: ML12080A134, Proprietary Final SE: ML12080A136**

NRR-043

OFFICE	PLPB/PM	PLPB/LA	EVIB/BC	PLPB/BC	DPR/DD
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DATE	3/20/2012	4/4/2012	5/7/2012	5/14/2012	5/14/2012

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