

App^c 7673+

From: John Nakoski
To: Collins, Timothy; Lyon, Warren
Date: Thu, Aug 3, 2006 5:39 PM
Subject: Revised Withdrawal Memo/Letter of CROSSFLOW Topical Report Approval

Tim & Warren,

I took your two separate inputs and combined them together. Please look over the attached and let me know if you think any of the changes I made are not acceptable or change the message. I think this hits the mark that Tom established, even though it took us 5 pages instead of 3. Since Westinghouse/AMAG are familiar with the history of this effort, there may be room to remove more from the letter depending on how much history we want to put up front. I think we should consider taking most of it out, but I left it in for now for you to consider. Thanks for your efforts at bringing this together. Hopefully, it will be in shape to send out soon. As a reminder, I will be out of the office on Monday through Wednesday next week (8/7-9/06), so if you could get me your feedback tomorrow (Friday, 8/4/06), I would appreciate it so I can concur before I leave on Friday.

John Nakoski

CC: Martin, Thomas; Wermiel, Jared

N-10

T18

AH to
2-13

August , 2006

MEMORANDUM TO: Ho Nieh, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Thomas O. Martin, Director,
Division of Safety Systems
Office of Nuclear Reactor Regulation

SUBJECT: NRC STAFF ASSESSMENT OF THE WESTINGHOUSE / ADVANCE
MEASUREMENT AND ANALYSIS GROUP (W/AMAG) CROSSFLOW
ULTRASONIC FLOWMETER (UFM)

Reference: "Improved Flow Measurement Accuracy Using Crossflow Ultrasonic Flow
Measurement Technology," ABB Combustion Engineering, CENPD-397-P-A,
ML052070504, May 31, 2000. (Proprietary)

We have completed our reassessment of the CROSSFLOW UFM. We find that (1) the existing previously approved CENPD-397-P-A topical report is no longer acceptable as a basis for using CROSSFLOW to improve the uncertainty in determining feedwater flow rate, (2) a basis has not been established for such use that acceptably addresses the issues that have been identified by the NRC staff, and (3) CROSSFLOW is not acceptable for use in determination of feedwater flow rate for either power uprate or power recovery purposes.

We recommend that you transmit the enclosed letter to Westinghouse to inform them of our findings.

CONTACT: Warren Lyon
301-415-2897

Enclosure: As stated

ATTACH TO
T18

August , 2006

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/RA/

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DISTRIBUTION: SPWB/RF I. Ahmed T. Alexion A. Howe C. Jackson
J. Jolicoeur W. Lyon J. Nakoski S. Rosenberg G. Shukla J. Wermiel

ACCESSION NUMBER:

OFFICE	DSS/SPWB	DSS/SLS	BC/DSS/SPWB	DD/DSS		
NAME	WLyon	TCollins	JNakoski	JWermiel		
DATE	8/ /06	8/ /06	8/ /06	8/ /06		

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ATTACH
to T18

Pages 4 through 8 redacted for the following reasons:

(b)(4); (b)(5)