

October 11, 2011

MEMORANDUM TO: James Beardsley, Branch Chief
Construction Inspection Programs Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

FROM: Thomas Fredette, Reactor Operations Engineer */RA/*
Construction Inspection Programs Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

SUBJECT: SUMMARY OF SEPTEMBER 21, 2011 CATEGORY 2 MEETING WITH
THE AP1000 DESIGN-CENTERED WORKING GROUP (DCWG) AND
THE GENERAL PUBLIC TO DISCUSS INSPECTION STRATEGIES
FOR THE AP1000 PIPING SYSTEMS DESIGN ACCEPTANCE
CRITERIA (DAC)

On September 21, 2011, a Category 2 public meeting was held between U.S. Nuclear Regulatory Commission (NRC) staff from the Construction Inspection Program Branch (CIPB) of the Division of Construction Inspection and Operational Programs (DCIP) in the Office of New Reactors (NRO), the AP1000 Design-Centered Working Group (DCWG), and the general public. The meeting was held at NRC Headquarters, 11545 Rockville Pike in Rockville, Maryland. The purpose of the meeting was to discuss: 1) Piping DAC inspection procedure status; 2) the applicability of the proposed ITAAC maintenance rule to Piping DAC; and 3) the proposed Piping DAC completion schedule and phased approach to DAC inspection of AP1000 Piping design packages. Additionally, a closed portion of the meeting was conducted to facilitate discussions between the NRC staff and the DCWG related to use and application of the WESTEMS™ computer code for piping design.

The NRC staff opened the meeting by discussing and summarizing inspection procedure (IP) status for the piping DAC as part of ITAAC inspection program. The staff highlighted the Piping Design IP (IP 65001.20) issued in June 2011, and the Pipe Rupture Hazards Analysis (PRHA) IP (IP 65001.21), currently being processed for issuance. The discussion included an overview of the procedure features, including sampled inspection of piping design specifications, design/stress reports, and PRHA reports, as well as efficiency in addressing design packages that are expected in DCWG's phased approach to piping package submittal.

In response to an action item stemming from the previous May 24, 2011 Category 2 Public Meeting on Piping DAC, the NRC staff presented an overview of the proposed ITAAC maintenance rule and illustrated its applicability to Piping DAC. The discussion included the ITAAC maintenance thresholds and examples of different ITAAC maintenance thresholds pertaining to piping design ITAAC.

The DCWG presented a Piping DAC closure approach, including the “phased approach” to piping design and PRHA report submittals and schedule to meet DAC and associated license conditions. The staff and DCWG agreed to the concept of a future “tabletop” meeting to work through details of the phased approach and how the staff would conduct inspections of piping package submittals.

The final portion of the meeting was a closed session to allow the staff and DCWG representatives from Westinghouse to discuss technical issues related to piping design methodology, specifically the use of WESTEMS™ computer code for fatigue analysis. The DCWG reiterated their intention to submit a licensing topical report to support WESTEMS™.

Docket Nos. 52-014, 52-015, 52-018, 52-019, 52-022, 52-023, 52-025, 52-026, 52-027, 52-028, 52-29, 52-30, 52-40, 52-41

Members of the public were in attendance, but Public Meeting Feedback forms were not received. Please direct any inquiries to me at 301-415-8538, or thomas.fredette@nrc.gov.

Enclosure:

1. Attendance List

cc w/encl: See next page

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**CATEGORY 2 PUBLIC MEETING
INSPECTION STRATEGIES FOR THE AP1000 PIPING SYSTEMS
DESIGN ACCEPTANCE CRITERIA (DAC)**

**September 21, 2011
Location: Two White Flint North, Rockville, MD**

Meeting Attendees

Name	Organization
James Bearsley	NRO/DCIP/CIPB
John-Chau Nguyen	NRO/DCIP/CIPB
Douglas Copeland	NRO/DCIP/CAEB
Mark Gray	AP1000 DCWG-Westinghouse
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Ryder Thompson	AP1000 DCWG-SCE&G
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Jennifer Dixon-Herrity	NRO/DE
Kevin Pigg	AP1000 DCWG-Southern Nuclear
Amy Aughtman	AP1000 DCWG-Southern Nuclear
Charles Herlost	AP1000 DCWG-Southern Nuclear
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Mohammed Shuaibi	NRO/DE
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