

February 27, 2009

MEMORANDUM TO: Joelle Starefos, Branch Chief
Construction Inspection & Allegations Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

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

PARTICIPANTS: Public, Industry, and NRC Staff

SUBJECT: SUMMARY OF JANUARY, 29, 2009, CATEGORY 3 MEETING WITH
THE NUCLEAR ENERGY INSTITUTE (NEI), INDUSTRY, AND THE
GENERAL PUBLIC, TO DISCUSS ITAAC CLOSURE, ENFORCEMENT,
AND ASSESSMENT WORKSHOP FOR NEW REACTORS

On January 29, 2009, a public meeting was held between the U.S. Nuclear Regulatory Commission's (NRC), Construction Inspection and Allegation Branch of the Division of Construction Inspection and Operational Program (DCIP) in the Office of New Reactors (NRO), Region II Construction Inspection Programs, Nuclear Energy Institute (NEI), industry, and the general public. The meeting was located at the Legacy Hotel, 1775 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss the inspections, tests, analyses and acceptance criteria (ITAAC) closure, and enforcement and assessment for new reactors.

The NRC staff presented its comments on NEI 08-02, "Problem Identification and Resolution for New Nuclear Power Plants During Construction" (ADAMS ML090280471). The NRC expressed that the submittal was a good high level document but too general to warrant NRC's endorsement at this time. Additionally, it was difficult to determine the value of the document due to the information that is already available in the Standard Review Plan and 10 CFR 50 Appendix B. In its present form the NRC believes it would be difficult to achieve a uniform adoption by all applicants as the implementation details would be left up to the individual licensees. The NRC has offered to work with NEI to resolve the challenges identified; to improve the submitted guidance document.

The NRC presented Human Factors ITAAC Reviews (ADAMS ML090280487). The presentation discussed the need for certified personnel and its impact on fuel load schedules. The presenter also discussed the need for control room simulators for Human Factor Engineering (HFE) program implementation. The presenter discussed the chart detailing the HFE approved designs, as well as, designs currently under review. In closing, the NRC presenter reiterated that ITAAC inspections and closure resources must be managed.

CONTACT: Demetrius Murray, NRO/DCIP/CCIB
301-415-7646

The NRC presented Potential New Reactor Construction Assessment Process Changes (ADAMS ML090230552). The staff discussed interactions with the Commission including a SECY paper on the enforcement and assessment programs, as well as, subsequent Commission briefings. Conceptual Significance Determination Process (SDP)-Type processes were discussed, including Risk-Informed Matrix Process, Reliability Growth Analysis and Safety Significance Evaluation Process, as well as, an overview of potential Performance Indicators. There will be a workshop in March to continue discussions on this topic.

To continue the dialog on ITAAC maintenance activities, NEI presented Maintaining ITAAC Determinations (ADAMS ML090330116). NEI discussed the proposed actions that licensees should complete to ensure that acceptance criteria continue to be met after ITAAC closure, and the licensee programs that will be used to maintain those ITAAC determinations. The discussion was an evolution of the maintenance topic covered in previous workshops held by the NRC. The presentation continued the topic of NRC notifications for significant maintenance or component replacement activities required after an ITAAC has been closed. NEI proposed a revised flowchart to show the process for which licensees will be required to report ITAAC maintenance issues to the NRC. The presentation was an informative blend of the major topics involved in ITAAC maintenance, as well as, more detailed thinking on the implementation by the licensee. The threshold that defines when a licensee should report ITAAC maintenance issues to the NRC will require more refinement in future workshops and public meetings.

The NRC presented D-RAP ITAAC (ADAMS ML090340056). The presentation described the Reliability Assurance Program, specifically the design phase of the Reliability Assurance Program (D-RAP). The NRC presented the contrast between the current (AP1000 D-RAP) and the proposed D-RAP ITAAC. An example list of D-RAP SSCs identifying reliability assurance activities was discussed.

A list of meeting attendees is attached. Also attached are copies of the slides presented at the meeting (ADAMS ML090500179):

- Staff comments on NEI 08-02, "Problem Identification and Resolution for New Nuclear Power Plants During Construction" (ADAMS ML090280471);
- Human Factors ITAAC Reviews (ADAMS ML090280487);
- Potential changes to the New Reactor Construction Assessment Process (ADAMS ML090230552);
- Maintaining ITAAC Determinations (ADAMS ML090330116);
- Design Reliability Assurance Program (DRAP) ITAAC (ADAMS ML090340056).

The next Category 3 public workshop will be held on March 19, 2009, location to be determined. The proposed dates for Category 3 public meeting for calendar year 2009 are:

- May 14;
- July 16;
- September 17;
- November 5;
- December 17.

Members of the public were in attendance, but Public Meeting Feedback forms were not received. Please direct any inquiries to me at 301-415-7646, or demetrius.murray@nrc.gov.

Enclosures: Agenda (ADAMS Accession Number: ML090140430)

cc w/encl: See next page

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NAME	D. Murray	J. Starefos
DATE	02/26/09	02/27/09

**Construction Inspection Program Assessment and Enforcement,
and ITTAC Closure Letter Workshop
October 30th, 2008
Location: Legacy Hotel, Rockville, MD
Meeting Attendees**

Jose Jimenez	NRC/NRO
John Traynor	Unistar Nuclear
John Brabec	Luminant Power
Steve Blossom	STPNOC
Thomas Bearden	MNES (Mitsubishi)
James Gaslevic	NRC/NRO
Jim Fiscaro	NEI
Kimberly Keithline	NEI
Roger Lanksbury	NRC
Matthew Williams	Dominion
Joelle Starefos	NRC/NRO
Tom Kozak	NRC/NRO
Patrick Boyle	NRC/NRO
Tony Cerner	NRC
Ron Gardner	NRC
Alan Torres	SCE+G
Junichi Uchiyama	Mitsubishi Nuclear Energy Systems
Russ Bell	NEI
Dan Johnke	Bechtel
Sue Simpson	NEI
Dave Postma	Bechtel
Stephen Burdick	Morgan Lewis
Caroline Schlaseman	MPR/TANE
Richard Szoch	Unistar
Thom Ray	Westinghouse
Bill Mills	NEC, Nuclear Energy Consultants
Hamer Carter	Progress Energy
David Hastie	Shaw Group
Juan Peralta	NRC/NRO
Glenn Tracy	NRC/NRO
John Tappert	NRC/NRO
Charles Ogle	NRC RII
Alan Blamey	NRC RII
Gary Waldrep	Exelon
Dale Garrison	Areva
Barry Bryant	Dominion
Michael Webb	NRC/NRO
Brandan Waites	Southern
Victoria Anderson	NEI
John Maciejewski	INPO
Carl Weber	NRC/NRO
John Oddu	Show Group Inc.
Tim Durtin	Energetics

ENCLOSURE

Tom Houghton	NEI
Omid Tabatabai	NRC/NRO
Anne Cottingham	NEI
Michael Junge	NRC/NRO

Construction Inspection Program Assessment and Enforcement, and ITTAC Closure Letter Workshop October 30th, 2008 Location: Legacy Hotel, Rockville, MD Meeting Attendees (Tele-Conference)	
Kerry Rhoades	Dominion
Luther Hill	DOE
Patrick Shepard	Exelon
John Ellemers	Burns & Rowe
Jim Davis	Southern
Jenny Weil	McGraw Hill