

June 23, 2010

MEMORANDUM TO: Tim Frye, Branch Chief
Construction Assessment, Enforcement, and Allegations Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

FROM: Kevin Mattern, Physical Scientist */RA/*
Construction Assessment, Enforcement, and Allegations Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

PARTICIPANTS: Public, Industry, and NRC Staff

SUBJECT: SUMMARY OF JUNE 16, 2010, NRC CONSTRUCTION REACTOR
OVERSIGHT PROCESS (cROP) CATEGORY 2 PUBLIC MEETING
WITH THE INDUSTRY AND THE GENERAL PUBLIC

On June 16, 2010, the NRC Construction Reactor Oversight Process (cROP) Working Group (WG) met with the cROP Task Force led by the Nuclear Energy Institute (NEI) and interested members of the public at the Legacy Hotel in Rockville, MD (Agencywide Documents Access and Management System (ADAMS) Accession Number ML101410222). The purpose of the meeting was to continue discussions regarding the oversight and assessment of new commercial reactor construction. The NRC cROP WG is led by Tom Kozak, Office of New Reactors (NRO), and the cROP Task Force is led by Tom Houghton, NEI.

The meeting began with remarks by Tom Kozak who described the cROP working group's activities to date along with their planned future interactions with both internal and external stakeholders. He also reminded the audience that NRO will issue a Federal Register Notice on or before July 1, 2010, requesting public comment on the cROP. The working group continued discussions regarding the Significance Determination Process (SDP) which is being developed to determine the significance of findings identified during implementation of the construction inspection program.

Mr. Kozak described the latest draft revision of the Significance Determination Process (SDP) flow chart for construction (ML101720288) developed by the NRC Working Group. The SDP flow chart describes paths to escalate findings from green to white, yellow, or red, depending on the answers to specific questions. The latest revision focuses on targeted Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) which is aligned with the construction inspection program.

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Tom also discussed a revised cROP risk matrix (ML101690123). The risk matrix is an alternate approach to determine the significance of construction findings, which aims to be more risk informed and objective. It uses a matrix approach with "degree of non-conformance" on the y-axis and "risk importance" on the x-axis. Discussions centered on several different approaches to incorporate risk and quality of construction in order to transition between rows and columns within the matrix. Don Dube, NRO, discussed the potential strengths and weaknesses of using Fussell-Vesely and Risk Achievement Worth to risk inform the process (ML101680654; ML101680659; ML101680644).

Tom Houghton, NEI, discussed, a revised SDP flow chart (ML101680635) and risk matrix (ML101690127) developed by the NEI cROP Task Force. The NRC and NEI flow charts similarly highlighted ITAAC, as well as recurring significant conditions adverse to quality (SCAQ) in order to address past construction lessons learned regarding quality assurance (QA). An example of what a licensee might use to define a SCAQ was discussed (ML101620454) to enhance the public's understanding of the term and its usage. Both the NRC and NEI risk matrices were principally aligned with only minor differences in terminology. The cROP Working Group plans to evaluate the varied SDP proposals and will continue discussions regarding SDP development in future public meetings.

Finally, Mr. Kozak presented the working group's preliminary results (ML101690116) using the current draft SDP risk matrix to process a prior escalated enforcement case at Wolf Creek (ML101620476) as an input. He also described four other enforcement cases that will be used in to test the draft SDP in future meetings (ML101620490; ML101620507, ML101620519; ML101620524). The NRC and NEI working groups will separately apply both SDP approaches to the prior escalated enforcement cases and incorporate the results into the SDP development process.

A list of meeting attendees is attached. The cROP Working Group will discuss its progress and continue developmental discussions at the next Category 2 public meeting which will be held on July 14, 2010 from 1:00 p.m. to 4:00 p.m. in Rockville, MD. Additionally, the cROP will be discussed at the next Construction Inspection Program (CIP) Category 3 public meeting scheduled for July 1, 2010 at NRC Headquarters (TWFN Auditorium) in Rockville, MD

Members of the public were in attendance and Public Meeting Feedback forms were distributed with none returned or submitted according to standard protocols. Please direct any inquiries to me at 301-415-6622, or Kevin.Mattern@nrc.gov.

Enclosures:

As stated

cc w/encl: See next page

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|--------|---------------|------------------|
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| NAME | K. Mattern | T. Frye |
| DATE | 06/23/10 | 06/23/10 |

OFFICIAL RECORD COPY

Attendance List
Category 2 Public Meeting (cROP)
Legacy Hotel
June 16, 2010

Attendance List

| Name | Organization |
|-----------------------------|-------------------------|
| Beardsley, Jim | NRC |
| Bell, Russ | NEI |
| Burdick, Stephen | Morgan Lewis |
| Dube, Don | NRC |
| Frahm, Ronald | NRC |
| Frye, Tim | NRC |
| Gardner, George | NRC |
| Hastie, David | Shaw Group |
| Houghton, Tom | NEI |
| Karlovich, Nick | NRC |
| Kerr, Chris | Exelon |
| Kinard, James | Areva |
| Kozak, Tom | NRC |
| Lanksbury, Roger | NRC |
| Lukes, Bob | NRC |
| Mattern, Kevin | NRC |
| Meyer, Glenn | NRC |
| Ray, Thom | Westinghouse |
| Rice, April | SCE&G |
| Robillard, Dave | PSEG Nuclear LLC |
| Schlaseman, Caroline | MPR/TANE |
| Schmitt, Ron | NRC |
| Sinks, Donna | NRC |
| Taylor, Larry | Progress Energy |
| Waites, Brandon | Southern Company |
| Uchiyama, Junichi | Mitsubishi |

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(Revised 6/15/2010)

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