

March 7, 2014

MEMORANDUM TO: Kathryn M. Brock, Deputy Assistant for Operations
Technical, Corporate and Correspondence Management
Office of the Executive Director for Operations

FROM: F. Paul Peduzzi, Executive Technical Assistant */RA/*
Technical, Corporate and Correspondence Management
Office of the Executive Director for Operations

SUBJECT: SUMMARY OF FEBRUARY 6, 2014, PUBLIC MEETING BETWEEN
U.S. NUCLEAR REGULATORY COMMISSION AND INSTITUTE OF
NUCLEAR POWER OPERATIONS.

On February 6, 2014, the U.S. Nuclear Regulatory Commission (NRC) hosted a public meeting between the NRC and the Institute of Nuclear Power Operations (INPO). This meeting was the annual public information exchange meeting between the NRC and INPO as described in the INPO-NRC Memorandum of Agreement.

The meeting began with an NRC presentation related to the status of Fukushima related lessons-learned actions. Items discussed where:

1. Progress

- Considerable progress has been made:
 - Seismic and flooding walkdowns have been completed.
 - FLEX equipment is arriving at designated sites, and licensees are implementing modifications to protect against extended loss of power and loss of the ultimate heat sink events.
- Substantial safety enhancements will be implemented by 2016:
 - Mitigation strategies will be implemented.
 - Spent Fuel Pool (SFP) level instrumentation will be installed.
 - Flooding and seismic interim actions will be implemented, as needed.
 - Enhanced emergency preparedness (EP) communication and staffing plans will be in place.

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- Some enhancements will extend beyond 2016:
 - Final flooding and seismic safety enhancements.
 - Severe accident capable containment vent systems for boiling water reactors with Mark-I and Mark-II containments.
 - Implementation of Fukushima related lessons-learned rulemakings.
- 2. Maintaining Focus
 - Recent significant milestones:
 - Issued interim staff evaluations for the Order on SFP Instrumentation.
 - Issuing interim staff evaluations for the Order on Mitigating Strategies.
 - Completed seismic and flooding walkdowns.
 - Upcoming milestones:
 - Seismic reevaluation submittals for the central and eastern US are due in March 2014.
 - The second batch of flooding hazard reevaluations is due in March 2014.
- 3. Overall Impacts
 - The staff is evaluating many of the Near Term Task Force (NTTF) recommendations under adequate protection; however, some of the recommendations will be administrative exemptions under 10 CFR 50.109, "Backfitting Rule". The staff will use established processes to determine the appropriate path.
 - The staff needs to ensure that new training for rare/extreme events does not inappropriately displace needed training that deals with more likely design basis events.

The meeting continued with an INPO presentations on their Regional Response Center and their INPO training and accreditation status:

1. Regional Response Centers:
 - INPO plans to coordinate drills and exercises, and observe simulated equipment moves, at Regional Response Centers.
 - INPO discussed the best approach for maintenance and inspection of Regional Response Centers.
 - INPO described their approach for ensuring that equipment and industry experts will be available (industry-wide) to support any future/potential incidents:
 - Equipment availability and inventory at each of the sites.
 - Technical support personnel availability.
 - Equipment purchases at the Memphis and Phoenix Regional Response Centers are ongoing.

2. Training and Accreditation Status.

- Operator training will be periodically assessed and reviewed.
- New operator training (Fukushima related) will be consistent with other training additions and the current site access training (SAT) processes.
- Industry is evaluating the consequences of placing too much attention on emergency training at the expense of normal operator training.
- Calendar year 2013:
 - One hundred sixty four accredited training programs.
 - Twelve placed on probation.
 - All training programs renewed by January 2014.
- INPO recognizes and appreciates the NRC's support of Accreditation Boards.
- INPO described its upcoming leadership training activities and the next Senior Nuclear Plant Manager class.
- INP discussed its Massachusetts Institute of Technology (MIT) International Leadership Training:
 - INPO/MIT held its first course on Nuclear Leadership last year (2013). The second course will be held this year (2014) focusing specifically on Safety Culture.

The meeting ended with closing remarks by the NRC and INPO, and provided public stakeholders with the opportunity to ask questions. Based on dialogue during these discussions, the following were addressed:

1. A public stakeholder commented on the following:

- Recommendation 1 and other industry-lead voluntary initiatives.
- The scope of the 2015 National Exercises. The stakeholder was referred to an NRC point of contact in the Office of Nuclear Security and Incident Response for more information.
- The NRC's regulatory footprint on operator training. The NRC staff answered by describing the aspects of *The Code of Federal Regulation* that discusses operator training, the NRC oversight program, and inspection of training programs; as well as INPO's accreditation process and NRC's observation of the Accreditation Boards.
- The stakeholder then asked why the names of programs on probation are withheld from the public. The NRC staff answered with a discussion that programs on probation are not indicative of regulatory failures or issues and may not necessarily rise to the attention of the NRC's oversight program. The stakeholder was provided with additional information that included specifics related to probation activities and why they are proprietary information and not released to the public.

2. A second public stakeholder provided comments and insights:
 - Thanked the NRC and INPO for the open public meeting and their discussions on Fukushima.
 - Commented that the urgency of Fukushima could “have a half-life as we get further away from the date of the event” and stressed the importance of implementing lessons-learned.
 - Commented on the importance of industry training, especially on all shifts.
 - Commented on the importance of SAT review.
 - Commented on Crisis Leadership Training challenges.
 - Commented that the INPO Chief Executive Conference is important.

Please direct any inquires to F. Paul Peduzzi at 301-415-1167 or Francis.Peduzzi@nrc.gov.

Enclosures:

1. Agenda for Annual Public Meeting between the NRC and INPO.
2. Attendance List

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 - Commented on the importance of SAT review.
 - Commented on Crisis Leadership Training challenges.
 - Commented that the INPO Chief Executive Conference is important.

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Enclosures:

1. Agenda for Annual Public Meeting between the NRC and INPO.
2. Attendance List

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DATE	3/ 07 /14	3/ 07 /14

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**INPO/NRC Senior Management Meeting
February 6, 2014
12:00pm – 1:30 pm
NRC- ACRS Hearing Room TWFN T2-B3**

Agenda

PURPOSE: To exchange information related to major activities underway or planned, avoid unnecessary and unintentional duplication of activities and identify areas where independent activities by other organizations may be warranted.

February 6, 2014

- 12:00 P.M. Opening Remarks, Introduction and Meeting Focus (NRC/INPO)
- 12:10 P.M Fukushima Response (NRC)
- 12:30 P.M Post-Fukushima Activities (Incident Response and EP Assessments Update) (INPO)
- 1:00 P.M INPO Training & Accreditation Status (INPO)
- 1:20 P.M. Public Comments
- 1:30 P.M. Closing Remarks. (NRC/INPO)

Enclosure 1

Attendance List

On February 6, 2014, NRC met with the Institute of INPO for an annual exchange of information exchange as described in the INPO-NRC Memorandum of Agreement. After the open session, a closed session was held to permit dialogue that included INPO proprietary information.

Name	Organization
Mark Satorius	Nuclear Regulatory Commission/Office of the Executive Director for Operations
Michael Johnson	Nuclear Regulatory Commission/Office of the Executive Director for Operations
Mark Shaffer	Nuclear Regulatory Commission/Office of International Programs
Eric Leeds	Nuclear Regulatory Commission/Office of Nuclear Reactor Regulation
Gary Holahan	Nuclear Regulatory Commission/Office of New Reactors
James Wiggins	Nuclear Regulatory Commission/Office of Nuclear Security and Incident Response
Daniel Dorman	Nuclear Regulatory Commission/Office of Nuclear Reactor Regulation
Jennifer Uhle	Nuclear Regulatory Commission/Office of Nuclear Reactor Regulation
F. Paul Peduzzi	Nuclear Regulatory Commission/Office of the Executive Director for Operations
Robert Willard	Institute of Nuclear Power Operations
William Webster	Institute of Nuclear Power Operations
Dave Igyarto	Institute of Nuclear Power Operations
Rob Gambone	Institute of Nuclear Power Operations
David Hembree	Institute of Nuclear Power Operations
Susan Landahl	Institute of Nuclear Power Operations
George Hutcherson	Institute of Nuclear Power Operations
Steven Dolley	Platts/Insider NRC
Robert Meyer	Professional Reactor Operator Society