

December 20, 2012

MEMORANDUM TO: Matthew A. Mitchell, Chief
Projects Management Branch
Japan Lessons-Learned Project Directorate
Office of Nuclear Reactor Regulation

FROM: Brian K. Harris, Project Manager */RA/*
Projects Management Branch
Japan Lessons-Learned Project Directorate
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING MEETING TO DISCUSS TECHNICAL ISSUES
FOR RESOLUTION REGARDING LICENSEE
COMMUNICATIONS SUBMITTALS ASSOCIATED WITH
NEAR-TERM TASK FORCE RECOMMENDATION 9.3

DATE AND TIME: Thursday, January 3, 2013
3:00 p.m. - 5:00 p.m., EST

LOCATION: U.S. Nuclear Regulatory Commission
Two White Flint North
Room: T-2B03
11545 Rockville Pike
Rockville, MD 20852

PURPOSE: The purpose of this meeting is to discuss with stakeholders technical issues needing resolution regarding communication responses submitted to the NRC in response to *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights From The Fukushima Dai-ichi Accident* issued March 12, 2012 (Agencywide Documents Access and Management System Accession Number ML12053A340). The meeting will focus on generic issues relating to initial review of the responses.

CATEGORY: This is a Category 2 public meeting. The public is invited to participate in this meeting by providing comments and asking questions at points identified on the agenda.

CONTACT: Brian K. Harris, NRR/JLD
301-415-2277
Brian.Harris2@nrc.gov

M. Mitchell

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PARTICIPANTS: NRC staff, interested stakeholders and members of the public. Participants from the NRC include members of the Office of Nuclear Reactor Regulation (NRR) and Nuclear Security and Incident Response (NSIR).

NRC

K. Williams, NSIR
B. Harris, NRR
et al

Industry

Sue Perkins-Grew, NEI
et al

Interested members of the public can participate in this meeting via a toll-free audio teleconference. Please dial in using toll free number: 888-469-1349 and pass code: 2728083. A Webinar will also be provided for this meeting; please contact Brian K. Harris at 301-415-2277 or Brian.Harris2@nrc.gov by December 28 if you would like information on the Webinar, or follow the link below to register:

<https://www1.gotomeeting.com/register/114006369>

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in a meeting, or need a meeting notice or a transcript or other information from a meeting in another format (e.g., Braille, large print), please notify the NRC's meeting contact. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

Enclosures:

1. Agenda
2. Technical Issues for Resolution

PARTICIPANTS: NRC staff, interested stakeholders and members of the public. Participants from the NRC include members of the Office of Nuclear Reactor Regulation (NRR) and Nuclear Security and Incident Response (NSIR).

<p><u>NRC</u> K. Williams, NSIR B. Harris, NRR et al</p>	<p><u>Industry</u> Sue Perkins-Grew, NEI et al</p>
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1. Agenda
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AGENDA

FORTHCOMING PUBLIC MEETING

FUKUSHIMA LESSONS-LEARNED

RECOMMENDATION 9.3: COMMUNICATION

JANUARY 3, 2013, 3:00 p.m. – 5:00 p.m., EST

3:00 – 3:10 p.m.	Welcome/Introductions/Logistics	NRC
3:10 – 3:55 p.m.	Discussion of NTF Recommendation 9.3 for Communication	NRC
3:55 – 4:15 p.m.	Discussion on industry proposal for communication	NEI
4:15 – 4:50 p.m.	Public comments/discussion	ALL
4:50 – 5:00 p.m.	Closure	NRC

TIER 1 NEAR-TERM TASK FORCE RECOMMENDATION 9.3 COMMUNICATIONS TECHNICAL ISSUES FOR RESOLUTION

Background

On March 12, 2012, the NRC staff issued a letter entitled, "Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident." In part, the request for information asked that licensees assess their current communications systems and equipment during a large scale natural event and loss of all alternating current power. On October 31, 2012, licensees responded to the staff's request for information regarding communications. Upon the staff's review of the licensee's communications submittals, the staff has identified generic technical issues which need to be resolved in order for the staff to complete its review.

Generic Technical Issue 1

The staff identified that licensees need to discuss how the power for the equipment analyzed is expected to be available, and how the planned communications enhancements are expected to be maintained. The following areas were identified:

- A. A detailed description of how power will be maintained for (1) planned or potential enhancements to the communication links and (2) existing equipment analyzed to be available.
 - 1. The number of replacement batteries expected to be needed for a 24-hour duration, per the Nuclear Energy Institute (NEI) 12-01 "Guideline for Assessing Beyond Design Basis Accident Response Staffing and Communications Capabilities".
 - 2. Generator availability to charge batteries without offsite equipment for a duration of 24 hours.
 - 3. A description of how ancillary equipment supports operations for a 24-hour duration (e.g., adequacy of fuel supplies for the generators; and the minimum number of battery chargers expected to be necessary).

Generic Technical Issue 2

The use and function of the planned enhancements for the improvement of communications.

- A. A description of the use of the planned enhancements.
 - 1. A discussion of whether each planned enhancement identified is only to be used for maintaining the communication link identified, or if it is expected to be shared among other communication links.

2. A general description of the planned enhancement and how the equipment will be integrated.
3. The title and general description of the procedure that will be developed and used by plant personnel to describe protocols for shared usage of communication capabilities.

Generic Technical Issue 3

The protection of the new equipment purchased as a planned enhancement as well as the protection of existing communications equipment analyzed as being available.

- A. A discussion of how the existing equipment analyzed to be available and enhancements to these communication links as well as associated ancillary equipment will be stored in a manner that is protective from a large scale natural event.
 1. A description of pre-identified areas that are considered protective for existing equipment and whether new equipment will be stored in a similar location. The title and brief description of a procedure for new communications equipment storage is acceptable, if this procedure is planned to be developed in the future; or a statement that this will be completed in alignment with NRC order EA-12-049.
 2. Equipment stored offsite, should have an analysis of duration to set-up this equipment for use.
 3. The analysis demonstrates that the existing equipment that is expected to be available will be functional.

Generic Technical Issue 4

The programmatic controls for the use of the new equipment purchased as a planned enhancement.

- A. A description of planned proceduralization and training for the use of these planned enhancements. It is acceptable to provide the title and description of a new procedure for new communications equipment.
 1. A description of any credited manual actions and their procedures.
 2. A description of any maintenance for this equipment, including operability testing.
 3. A description of any periodic inventory checks.
 4. A description of planned staff training.

Generic Technical Issue 5

A discussion on what assumptions are used as part of the Communications Assessment.

- A. A description of the assumptions used for the submitted Communications Assessment Summary, and technical justification for any differences from the assumptions within NEI 12-01, Sections 2.2 “Assumptions Common To Both Assessments” and 2.4 “Assumptions For Communications Assessment”.

Generic Technical Issue 6

How plant personnel will be notified in the event of a large scale natural event that causes a loss of all AC power.

- A. A description and title of the procedure for emergency notification of essentially all plant staff within 30 minutes [If applicable to the licensee Emergency Plan].
- B. A description and title of the procedure for notification of emergency response organization staff (i.e., self-activation) [If applicable].

Generic Technical Issue 7

How communications will be maintained during the period of final implementation of the communication enhancements.

- A. Identification and description of the interim actions that will be in place to bridge the gap until all final mitigation strategies being proceduralized are implemented. This also includes equipment protection.

Generic Technical Issue 8

Descriptions are needed regarding how communications will be maintained with the on-site and in-plant response teams and offsite response organizations if their communication links are not expected to be available.

- A. A timeline for when the evaluation for site specific improvements for on-site and in-plant response teams will be completed.
- B. A discussion of the enhancements that are planned for the offsite response organization communication links.