

September 10, 2009

MEMORANDUM TO: Martin C. Murphy, Chief
Generic Communications and Power Uprate Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Anthony W. Markley */RA/*
Generic Communications and Power Uprate Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 19, 2009, SECOND PUBLIC MEETING
WITH STAKEHOLDERS TO DISCUSS SUBMERGED CABLES PILOT
PROJECT – REGULATORY ISSUE RESOLUTION PROTOCOL
(RIRP)

On August 19, 2009, the U.S. Nuclear Regulatory Commission (NRC) Submerged Cables Pilot Project – RIRP and industry representatives held a Category 2 public meeting. Enclosure 1 provides a list of those in attendance. Enclosure 2 is the meeting agenda. Information presented by the NRC and the Nuclear Energy Institute (NEI) at the meeting is available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession Nos. ML092460516, and ML092460425.

The purpose of the meeting was to conduct a public meeting on the submerged cables pilot project using the RIRP. A public meeting notice was issued on August 7, 2009, and was posted on the NRC's external (public) web page (ADAMS Accession No. ML092190078).

INTRODUCTIONS

NRC – Anthony Markley:

- Kicked off the Second Submerged Cables Pilot RIRP meeting and noted the reference materials on the table, including the Meeting Notice/Agenda, meeting comment forms, and the NEI and NRC handouts. Informed all participants of the agenda and the opportunity for public comments and questions.
- All attendees introduced themselves. Eight individuals joined by teleconference.
- Noted that the NRC staff had received the NEI/Industry team materials late Tuesday morning, August 18, and that only a cursory review had been accomplished in the limited time. Noted that the NEI/industry team had committed to provide these materials on Friday, August 14, 2009.

MEETING MINUTES SUMMARY

Status of Commitments from Last Meeting

NRC – Anthony Markley:

- Define the scope of the pilot project. Will the project be limited to submerged cables?

The staff has determined that the scope of the pilot project would be reclassified to “Inaccessible and Underground Cables” to align with the generic letter 2007-01.

- Review the maintenance rules processes as applied to the cables issue.

The staff has determined that the maintenance rule scoping and processes are relevant and are applicable to the cable systems issue.

NEI – Gordon Cleifton:

- Further evaluation of screening criteria, particularly the items marked in yellow on the NRC staff slides.

The RIRP process team has continued its evaluation of NRC comments and addresses them in the context of the screening criteria development with the expected outcome in the final product.

- Review the NRC staff’s input from this meeting, revise the NEI/industry problems statement, and provide a regulatory and technical basis to support the problem statement.

NEI/Industry team expects to present these at today’s meeting. NRC staff review is limited since these were received the day before the meeting.

Screening Phase Assessment

The staff anticipated revisiting this issue at this meeting. Industry team members indicated the screening phase assessment was now being addressed in the Process RIRP team.

Problem Statement Assessment/Regulatory Basis/Technical Basis

NEI – Jerry Bonano:

- Presented the industry problem statement which had been enhanced since the last meeting. Presented the industry perspective on the regulatory basis. The presentation focused on limiting the pilot project to 10 CFR 50 Appendix B and 10 CFR 50.65.

NRC – Roy Mathew, George Wilson, Thomas Koshy, et al:

- Responded that it was not possible to limit the applicability of the regulatory basis to Appendix B and 50.65 since other rules including the design criteria are still applicable.

STARS – Jacques Vandebroek:

- Indicated industry embraces the maintenance rule, recognizes that 10 CFR 50.49, Environmental qualification does not apply, and that operability concerns are an issue.

Industry and NEI representatives again asked several questions regarding the applicable regulations and the choice of regulations used in citations. The NRC staff responded that there were a number of regulatory requirements that were applicable in the submerged cables issue. The NRC staff noted that the Regional staff used its discretion in its selection of applicable regulations from which to make citations. The choice of regulations from which to cite does not change or alter the fundamental issues. A significant amount of discussion ensued which explored the industry's need to address and understand the regulatory basis. NEI/Industry acknowledged that it needed to reconsider the regulations that apply to this subject.

End Stage/Implementation

Discussion included questions by the NRC staff regarding the end stage of RIRP activities. What mechanism will be used to assure industry implementation of the closure plan?

Industry/NEI – Terry Garrett, Gordon Clefton, Mike Schoppman:

- NEI/industry responded that this is being considered but the end stage of implementation has not been determined.

NRC – Thomas Koshy, Roy Mathew, et al:

- Indicated that monitoring programs could be a means of addressing the issue.
- Indicated that NUREG will be published by the end of this year which addresses cable testing/monitoring.
- Indicated that the NRC staff plans to issue a draft regulatory guide by the end of the year which addresses cable testing/monitoring.

Technical Basis Discussions

EPRI/Duke – Gary Toman/Steve Graham:

- Focused on the use of terminology and technical conditions, both historical and current perspectives.
- Indicated that this was a good discussion of cable system failures which includes terminations and junctions versus cable failures.
- Requested that the staff limit the pilot project to medium voltage cable systems.

Public Comments

NRC – Anthony Markley:

- Requested comments and questions from members of the public who were in attendance. No member of the public made any comments or provided any questions during the meeting.

COMMITMENTS FOR THE NEXT MEETING

NEI/Industry Submerged Cables Pilot Project Team:

- Further evaluation of regulatory basis and the applicability of regulations to the issue.
- Provide a proposed meeting schedule and proposed agenda items.

NRC Staff:

- Consider the request to limit the scope of the pilot project underground and inaccessible medium voltage cable systems.
- Check on NRC policies and infrastructure to support and/or use web casting for sharing of information.

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RidsNroMail RidsResMail

Package: ML092460531

Memo: Meeting Summary, ML092460408

Enclosure 1: Attendance List

Enclosure 2: Meeting Agenda

Enclosure 3: Regulatory Issue Resolution Protocol, "Inaccessible or Underground Cable Performance Issues at Nuclear Power Plants", ML092460425

Enclosure 4: NEI Meeting Handout, "Regulatory Observations" and "Develop Problem Statement and Success Path to define MVC issue in detail", ML092460516.

* Concurrence by e-mail

OFFICE	PGCB:PM	PGCB:LA	PGCB:BC
NAME	AMarkley	CHawes CMH	MMurphy
DATE	09/04/2009	09/04/2009	09/10/2009

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AUGUST 19, 2009 SECOND PUBLIC MEETING WITH STAKEHOLDERS TO DISCUSS
SUBMERGED CABLES PILOT PROJECT – REGULATORY ISSUE RESOLUTION

PROTOCOL

Name	Organization
Debbie Thomas	Exelon/Corporate Eng.
Mark Giles	Entergy
Terry Garrett	WCNOC
Gordon Clefton	NEI
Gary Toman	EPRI
Jacques Vandenbroak	STARS
Kent W. Brown	TVA
Kevin Riley	Progress Energy
Jerry Bonano	NEI
Mike Shoppman	NEI
Nancy Chapman*	Bechtel
Deann Raleigh	SCIENTECH
Steve Graham	Duke Energy
Jeff Person*	Columbia Generating
Mike Curren*	Columbia Generating
Mark Hypse*	Palo Verde Generating Station
Jeanie Rinckel	NEI
Julie Keys	NEI
Tim McGinty	NRC
Roy Mathew	NRC
Nitin Patel	NRC
Matthew McConnell	NRC
Sergiu Basturescu	NRC
Thomas Koshy	NRC
Martin Murphy	NRC
Anthony Markley	NRC

Sheldon Stuchell*	NRC
Larry Scholl*	NRC
Eugene Huang*	NRC
Odunayo Ayegbusi*	NRC

* - participated via teleconference

AGENDA* FOR THE AUGUST 19, 2009, SECOND PUBLIC MEETING
WITH STAKEHOLDERS TO DISCUSS SUBMERGED CABLES PILOT PROJECT -
REGULATORY ISSUE RESOLUTION PROTOCOL

TOPIC	DURATION (minutes)	PRIME
Opening remarks & introductions	1:00 – 1:10 p.m.	Markley
NEI presentation of screening phase assessment	1:10 – 1:20 p.m.	NEI/Industry
Interactive discussion of screening phase assessment	1:20 – 1:30 p.m.	All
NEI presentation of industry version of problem statement	1:30 – 1:40 p.m.	NEI/Industry
NRC presentation of NRC version of problem statement	1:40 – 1:50 p.m.	Matthew
Interactive discussion of problems statements	1:50 – 2:00 p.m.	All
NEI presentation of industry version of regulatory & technical basis	2:00 – 2:15 p.m.	NEI/Industry
NRC presentation of NRC version of regulatory & technical basis	2:15 – 2:25 p.m.	Matthew
Interactive discussion of regulatory & technical basis	2:25 – 2:45 p.m.	All
Break	2:45 – 2:55 p.m.	
Public Comments	2:55 – 3:05 p.m.	
NRC/NEI Discussion and Path Forward	3:05 – 3:15 p.m.	All
Future meetings		Markley
Public Comments	3:15 – 3:20 p.m.	
Meeting Summary/Action Items	3:20 – 3:25 p.m.	Markley
Closing Remarks/Meeting Adjourned	3:25 – 3:30 p.m.	Markley

* Tentative Schedule – Topics and times are subject to change