

February 24, 2010

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 JANUARY 21, 2010, FIFTH PUBLIC MEETING WITH
STAKEHOLDERS TO DISCUSS INACCESSIBLE AND
UNDERGROUND CABLE SYSTEMS PILOT PROJECT –
REGULATORY ISSUE RESOLUTION PROTOCOL

On January 21, 2010, the U.S. Nuclear Regulatory Commission (NRC) Inaccessible and Underground Cable Systems Pilot Project – Regulatory Issue Resolution Protocol (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. ML100080018, ML100080020, ML100080023, ML100080027, and ML100150850.

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 January 8, 2009, and was posted on the NRC's external (public) web page (ADAMS Accession No. ML100080016).

INTRODUCTIONS

NRC – Anthony Markley:

- Kicked off the Fifth Inaccessible and Underground Cables Systems 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. Seven individuals joined by teleconference.
- Expressed appreciation for the timely submittal of industry materials such that these could be provided to the public in the meeting notice.

MEETING MINUTES SUMMARY

Status of Commitments from Last Meeting

No significant commitments were made from the October 22, 2009, meeting.

Low and Medium Power Cable Aging Management Programs

NEI – Gordon Cleifton

- Provided a reprise of activities to date including the problem statement and closure plan elements. The Closure Plan elements include using an assessment strategy for inaccessible or underground cables within the scope of GL 2007-01 that will determine and initiate actions to demonstrate that each cable circuit can perform its design function in an environment in which it is subjected. Identified the plans for cables systems program guide and its interface with the NRC technical report designation. Indicated that industry may seek endorsement of the Electric Power Research Institute (EPRI) programs for low and medium voltage cables systems in the forthcoming regulatory guide.

NRC – David Skeen and Tim McGinty

- Were receptive to the proposed programmatic approach provided sufficient detail is developed.

EPRI – Gary Toman

- Presented the elements of the Low and Medium Voltage Power Cable Aging Management Programs. The programs will go beyond the requirements for and will be supportive of license renewal.
- Indicated that there is a commitment to finalize these programs by September 2010.

NRC – George Wilson and Roy Mathew

- Questioned the intent and the use of “practicable” regarding regulatory compliance and discussion of dry conditions.

EPRI – Gary Toman

- Responded that the intent was to focus activities on ongoing testing, restoration of the environmental conditions, and implementation of the monitoring program.
- Noted that the tan delta information is being collected for use in the proposed cable aging management programs.

NRC – David Skeen and Tim McGinty

- Were receptive to the potential for possible endorsement of the proposed cable aging management programs.

NEI – Alex Marion

- Indicated that industry needs to decide whether these programs will be offered for NRC endorsement.

A good technical discussion of the program elements and ongoing research activities ensued during the course of this presentation.

Path Forward

Wolf Creek Nuclear Operating Corporation – Terry Garrett and Industry Pilot Team Members

- Questioned the need for further pilot team meetings. Indicated that the discussion in today's meeting had been substantive and positive. He believes that the RIRP has been a success for this issue.
- Many members of the NEI/industry pilot team expressed their appreciation for NRC support of RIRP and the progress that had been achieved.

NRC – Tim McGinty and Anthony Markley

- Agreed that the RIRP pilot has been a success and acknowledged the significant progress that had been made from the first meeting.
- Agreed that ongoing processes to develop and issue the regulatory guide and interfacing the guide with the industry's programs would proceed independently of the RIRP.

Discussion continued regarding the actions necessary to close out the pilot project. This discussion was not concluded and will be addressed as an agenda item for the next RIRP process team meeting.

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.

The meeting was closed.

NEI – Alex Marion

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Package: ML100320045

Memo: Meeting Summary, ML100320049

Enclosure 1: Attendance List

Enclosure 2: Meeting Agenda

Enclosure 3: Low Voltage AC and DC Power Cable Program Elements, ML100080018

Enclosure 4: MV Power Cable Program Elements, ML100080020

Enclosure 5: Power Cable Aging Management Program Elements, ML100080023

Enclosure 6: RIRP Pilot Industry Presentation, ML100080027

Enclosure 7: NRC Slides - Inaccessible or Underground Cable System Performance Issues at Nuclear Power Plants, ML100150850

* concurrence by e-mail

OFFICE	PGCB:PM	PGCB:LA	DE:EEEE:BC	PGCB:BC
NAME	AMarkley	CHawes	GWilson	MMurphy
DATE	02/24/2010	02/1/2010	02/7/2010	02/24/2010

OFFICIAL RECORD COPY

JANUARY 21, 2010, FIFTH PUBLIC MEETING WITH STAKEHOLDERS TO DISCUSS
INACCESSIBLE AND UNDERGROUND CABLES SYSTEMS PILOT PROJECT –
REGULATORY ISSUE RESOLUTION PROTOCOL

Name	Organization
Denise Thomas	Exelon
Gordon Cleifton	NEI
Jacques Vandenbroak	STARS
Jerry Bonano	NEI
Jeanie Rinckel	NEI
Alex Marion	NEI
Steve Graham*	Duke Energy
Michael Fallin	Constellation Energy
David Mannai	Entergy
Gary Toman	EPRI
Roger Rucker*	Entergy
Curt Fischer	Constellation Energy/EPRI MRUG
Terry Garrett	WCNOC
Edward J. Weinkam	Entergy
Mark Hypse*	APS
David Parker*	FPL
Richard Faust*	WCNOC
Sinnathurai Gajanetharan*	ECH – Major Components- Entergy
Thomas Barnett*	Entergy
Jeremy Bowen	NRC
George Wilson	NRC
Thomas Koshy	NRC
Martin Murphy	NRC
Anthony Markley	NRC
Matthew McConnell	NRC

David Skeen	NRC
Randy Hall	NRC
Rui Li	NRC
Nichole Glenn	NRC
Roy Mathew	NRC
Tim McGinty	NRC

* - participated via teleconference

AGENDA FOR THE JANUARY 21, 2009, FIFTH PUBLIC MEETING
WITH STAKEHOLDERS TO DISCUSS INACCESSIBLE AND UNDERGROUND CABLE
SYSTEMS PILOT PROJECT - REGULATORY ISSUE RESOLUTION PROTOCOL

TOPIC*	DURATION	PRIME
Opening Remarks & Introductions	1:00 – 1:10 p.m.	Markley
Agenda items: NEI/Industry Presentation: <ul style="list-style-type: none"> • Power Cable Aging Management Program Elements • Low Voltage AC and DC Power Cable Program Elements • MV Power Cable Program Elements • Interactive Discussion of Preceding Identify Industry-NRC deltas Break	1:10 – 2:45 p.m. 2:45 – 3:05 p.m. 3:05 – 3:15 p.m.	All All All
Public Comments	3:15 – 3:25 p.m.	
NRC/NEI Discussion and Path Forward Future meetings	3:25 – 3:40 p.m.	All Markley
Public Comments	3:40 – 3:45 p.m.	
Meeting Summary/Action Items	3:45 – 3:55 p.m.	Markley
Closing Remarks/Meeting Adjourned	3:45 – 4:00 p.m.	Markley

*Tentative Schedule – Topics and times are subject to change