



Differences Between NTTF 2.3 Seismic & USI A-46

Richard Starck, MPR

Caroline Schlaseman, MPR

Robert Kassawara, EPRI

Webinar on:
June 25, 2012

Teleconference Etiquette

- Many participants on teleconference
- Place your phone on **mute** to avoid background noise
- Mute your phone by:
 - Hitting *6, or
 - Hitting the “Mute” button on your phone
- When you wish to be heard:
 - Hit *6 again, or
 - Hit the “Un-Mute” button on your phone
- Please DO NOT place your call on **HOLD** during webinar
 - Some phone systems play background music
 - Simply mute phone instead

SQUG Web Site

- NTTF 2.3 Seismic related documents are posted to the SQUG web site. Link to documents on home page:
<http://squgweb.mpr.com>
- Documents on this site include:
 - NTTF 2.3 Seismic Walkdown Guidance (on EPRI web site)
 - Word versions of:
 - Seismic Walkdown Checklist (SWC)
 - Area Walk-By Checklist (AWC)
 - Peer Review Checklist for SWEL
 - How NTTF 2.3 Seismic Differs From USI A-46
 - Copy of this presentation

Objectives

- Understand NTTF 2.3 seismic program
- Know the major differences between Guidance and GIP
- Have your questions answered on implementing NTTF 2.3 seismic program

Background







Near-Term Task Force (NTTF)



Lead Organizations

NRC

NEI

EPRI

MPR

Seismic Walkdown Guidance

*For Resolution of Fukushima Near-Term Task
Force Recommendation 2.3: Seismic*

EPRI Report 1025286

USI A-46 vs. NTTF 2.3 Seismic

Topic	GIP	NTTF 2.3 Seismic
Concern	Equipment not qualified to IEEE Std. 344-1975	Degraded, nonconforming, unanalyzed conditions
Approach	Implement alternative qualification method	Verify that plant meets seismic licensing basis
Scope of Equipment	Reactor safe shutdown functions	Reactor safe shutdown functions Containment function Spent fuel integrity
Scope of Walkdown	Detailed	Limited scope Area Walk-By of nearby equipment
Seismic Engineer Qualifications	5 years experience SQUG 5-day training P.E. required	Nuclear experience EPRI 2-day training P.E. not required

USI A-46 vs. NTTF 2.3 Seismic (Cont'd)

Topic	GIP	NTTF 2.3 Seismic
Equipment capacity vs. demand	Caveats Internal load path Capacity vs. demand calc	Not required
Anchorage	Visual inspection Torque testing Capacity vs. demand calc	Visual inspection only
Seismic Interaction	Spatial	Spatial Flooding/spray Fire
Relay Review	Required	Not required
Tanks & HXs	Full scope	Visual check of anchorage
Cable/conduit raceways	Full scope	Visual check for unusual conditions

USI A-46 vs. NTTF 2.3 Seismic (Cont'd)

Topic	GIP	NTTF 2.3 Seismic
Identified Issue	"Outlier"	"Adverse Seismic Condition"
Checklists	Yes	Yes
Peer Review	Limited	Extensive using Peer Review "Team"

Questions and Answers

Enter your questions in
WebEx comment window

Contact Information

Richard Starck
MPR Associates, Inc.
320 King Street
Alexandria, VA 22314
(703) 519-0511
rgstarck@mpr.com

Caroline Schlaseman
MPR Associates, Inc.
320 King Street
Alexandria, VA 22314
(703) 519-0424
cschlaseman@mpr.com

Robert P. Kassawara
EPRI
3420 Hillview Avenue
Palo Alto, CA 94304
(650) 855-2302
rkassawa@epri.com