



## Call for Papers 2015 Environmental Qualification Technical Meeting

Sheraton Sand Key Resort  
Clearwater Beach, FL  
November 4-6, 2015

Sponsored by  
Curtiss-Wright, Nuclear Division, Scientech  
NUGEQ (Nuclear Utility Group on Equipment Qualification)

Curtiss-Wright, and NUGEQ are jointly sponsoring a technical meeting on nuclear power plant equipment environmental and seismic qualification (EQ). The purpose of the meeting is to promote the interface of organizations involved in nuclear industry EQ efforts. Managers and engineers in attendance represent US and international utilities, regulators, manufacturers, national laboratories, commercial test laboratories, and consultants.

### Participation

There is no registration fee for personnel from utilities that are members of EQDB/EQ PowerSuite™ or NUGEQ. There is a \$1,295 fee for non-member participants.

**Important note: Meeting fees are not waived for submissions; they are waived only for invited presentations (e.g.: the keynote address).**

Optional two-day training held Monday and Tuesday is \$1,895 per attendee.

### Preliminary Agenda

The meeting will be held Wednesday, November 2 through Friday, November 6, 2015 at the Sheraton Sand Key Beach Resort in Clearwater Beach, Florida. A coordinated schedule of events will be published in advance of the meeting. A preliminary schedule of events is provided below. **Presentations will be integrated into the appropriate Technical Sessions and open to all attendees.**

#### Monday - Tuesday, November 2-3

Monday 8:30am-5:00pm  
Tuesday 8:30am-12:00pm

#### Training (Optional)

**Subject: Temperature Monitoring**

#### Wednesday, November 4

8:30 a.m.- 12:00 p.m.  
1:30 p.m. – 5:00 p.m.

#### Industry EQ Initiatives

**EQ Technical Topics  
EQ Program Topics**

#### Thursday, November 5

8:30 a.m.- 5:00 p.m.

#### EQ Topics (Continued)

**Regulatory Developments  
Utility Interactions – Plant Topics**

#### Friday, November 6

8:30 a.m. - 12:00 p.m.

**Utility Interactions – EQ Program Performance  
Utility Interactions – Plant Topics (Continued)**

## Call for Papers

Abstracts regarding other topics related to Environmental and Seismic Qualification are welcome and will also be considered. Industry personnel interested in contributing to the technical sessions should submit a presentation abstract of not more than 400 words no later than COB, Friday, **July 31, 2015** to: Rick Weinacht, Manager Nuclear Technical Support. Presentations will be selected based on the subject matter as provided in the abstract and relevance to the broad topics below.

- **EQ Involvement with Beyond Design Basis Events (i.e., Fukushima Mods affecting design basis)\***
- **Plant Specific EQ Issues & Challenges \***
- **EQ Test Lab Inputs on New Equipment Qualification, Current Challenges and Improvements on Thermal Aging Methods \***
- **Plant O&E Responses\***
- **Development New EQ Equipment or Materials of Interest\***
- **New Regulatory Issues and the Impact on EQ Programs and EQ Management\***
- **New Plant EQ Parameters, EQ Equipment, and Qualification Topics\***
- **Vendor presentations of equipment designed for new plants and severe/BDE accidents\***
- **Solutions for Obsolescence Issues/Components\***
- **Qualification of Mechanical Equipment\***
- **Equipment Reliability/Failure Rates During Normal 40-Year Life Span\***
- Impact of NRC Orders and Recommendations related to the Japan Nuclear Accident Lessons learned on Equipment Qualification
- Aging Management Research and Practical Applications
- Utility Experience and Lessons Learned from Self-Assessments
- Update on new plant construction (US and/or international)
- Industry Standards Revisions Impacting EQ
- Industry Activities Related to Equipment Procurement and Obsolescence
- Regulatory Guidance Revisions Impacting EQ
- Equipment Condition Monitoring – Costs and Benefits
- NRC Inspection Practice and Experience
- Temperature/Radiation Monitoring – Costs and Benefits
- Inspection, Audit and Assessment Findings
- Implementation of IAEA EQ Program Guidance
- Plant-Specific Current Issues
- Utility experience with EQ and Licensing of Digital Systems and Equipment
- EQ Program Upgrade; Cost Reduction; Scope Reduction
- EQ Program Health Monitoring – Methods, Benefits and Pitfalls
- EQ Cost Savings Initiatives
- Power Uprate Impact on EQ Programs
- Seismic Qualification Technical and Regulatory Topics
- INPO Initiatives and Implementation Experience

\*Topics with high interest level in surveys.



## Technical Contacts

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## Past EQ Technical Meeting participants include:

AES, Nuclear, Inc.	Entergy Nuclear Operations	PBMR (Pty.) Ltd. (S. Africa)
Ameren-UE	Exelon Corporation	Phoenix Contact
American Electric Power	Fauske & Associates	PPL Susquehanna, LLC
Ametek Solidstate Controls	FirstEnergy Nuclear	Progress Energy
AREVA Inc.	FPL Energy	Public Service Electric & Gas
Assurance Technical Services	GE-Hitachi Nuclear Energy	RCM Technologies
ATC Nuclear	Henry Controls, Inc. (Canada)	Rockbestos-Surprenant Cable
Atlantic Nuclear Services, Ltd.	Hydro Québec (Canada)	Rotork Controls
Atomic Energy of Canada, Ltd.	Iepson Consulting Enterprises	Sandia National Laboratories
Arizona Public Service Co.	Institute of Nuclear Power Ops	Sargent & Lundy Engineers
Barton Instruments	Japan Atomic Power Company	Schultz Electric Company
Bechtel	Japan Nuclear Energy Safety Org.	South Carolina Electric & Gas
Brookhaven National Lab	Japan NUS Company	Southern California Edison
Bruce Power	Kansai Electric Power Co.	Southern Nuclear Oper. Co.
CableLAN Products, Inc.	KCI Engineering Consultants	SNN-SA Cernavoda (Romania)
Cameron Measurement Systems	Kernkraftwerk Leibstadt AG (Switz.)	Stevenson & Associates
Canadian Nuclear Safety Commission	Kinectrics, Inc. (US & Canada)	(Czech Rep.)
CANDU Owners Group	Korea Electric Power Corp..	Stone & Webster Engineering
Chubu Electric (Japan)	Korea Power Engineering Company	STP Nuclear Operating Co.
Comisión Federal de Electricidad	Limitorque Corporation	Strategic Technologies & Resources
Conax Technologies	Luminant	Teollisuuden Voima Oy (Finland)
Constellation Energy	Mitsubishi Heavy Industries	Tenera Environmental
CONTECH Engineering	(Japan)	Tennessee Valley Authority
Curtiss-Wright Flow Control Co.	NAMCO/Danaher Controls	Tokyo Electric Power Co. (Japan)
• QualTech NP	National Inst. of Nuclear Research	Tractebel Energy Engineering
• Scientech	(Mexico)	TYCO Electronics (Raychem)
• Target Rock	National Technical Systems	United Controls International
Dessau (Canada)	NB Power (Canada)	US Nuclear Regulatory
DiBenedetto Associates	Nebraska Public Power Dist.	Commission
Dominion Nuclear	NextEra Energy	Valcor Engineering
DTE Energy	NKW, Inc.	Vattenfall AB (Sweden)
Duke Energy Corporation	Nuclear Energy Institute	Vectra Technologies
EDF Energy	Nuclear Logistics, Inc.	Wardrop Engineering
Electric Power Research Institute	Nuclear Research Inst. Rez	(Canada)
Eletronuclear - Angra (Brazil)	(Czech Rep.)	Weed Instrument Company
Emerson Process Management	Nuklearna Elektrarna Krško	Westinghouse Electric Corp.
• ASCO Valve	(Slovenia)	Winston & Strawn
• Rosemount Nuclear	Nutherm International	Wolf Creek Nuclear Operating Corp.
• TOPWORX	Oak Ridge National Laboratory	Worley/Parsons Group, Inc.
Energy Northwest	Omaha Public Power District	Wyle Laboratories
	Ontario Power Generation	Xcel Energy
	Pacific Gas & Electric	