



Call for Papers 2013 Environmental Qualification Technical Meeting

Sheraton Sand Key Resort
Clearwater Beach, FL
November 12-15, 2013

Sponsored by
Scientech, a business unit of Curtiss-Wright Flow Control Company
NUGEQ (Nuclear Utility Group on Equipment Qualification)

EQDB 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 or NUGEQ. There is a \$1,095 fee for non-member participants. **Meeting fees are waived for invited presentations.** Optional training on Tuesday is \$995 per attendee.

Preliminary Agenda

The meeting will be held over a four-day period, commencing on November 12, 2013 and ending at noon on November 15, 2013. The Technical Meeting will be jointly conducted by EQDB and NUGEQ. 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.**

Tuesday, November 12
8:30 a.m.- 5:00 p.m.

Training (Optional)
Advanced EQ Training (Topic will be selected by August 12, 2013. Input welcome.)

Wednesday, November 13
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 14
8:30 a.m.- 5:00 p.m.

EQ Topics (Continued)
Regulatory Developments
Japan Nuclear Accident Lessons Learned (Orders and Recommendations)
Utility Interactions – Plant Topics

Friday, November 15
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 by **August 16, 2013** to Scientech; Brian Morris; EQ Programs Director. Presentations will be selected based on the subject matter as provided in the abstract and relevance to the broad topics below. The topics are listed based on a recent survey of desired topics. Forty-four responses were received and the topics are listed in order of average interest:

- **EQ Requirements for New AP1000 Plants v. Older PWR's***
- **Cable Aging Management and Monitoring Technologies***
- **EQ Issues Regarding Temperature-Induced Current in Cables***
- **Historical Perspective of EQ (Utility / NRC / Vendor / Consultant)***
- **Equipment Age Management and Monitoring Techniques***
- **NRC Requirements for Plant Life Extension (PLE) and Re-Qualification of Aged Equipment***
- **Service Life vs. Qualified Life Issues**
- New Regulatory Issues and the Impact on EQ Programs and EQ Management
- Utility Experience and New Strategies for EQ
- New Plant EQ Parameters, EQ Equipment, and Qualification Topics
- Industry Standards Revisions Impacting EQ
- Industry Activities Related to Equipment Procurement and Obsolescence
- Regulatory Guidance Revisions Impacting EQ
- Equipment Condition Monitoring – Costs and Benefits
- Vendor-Specific EQ Experience
- 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 Up rate Impact on EQ Programs
- Seismic Qualification Technical and Regulatory Topics
- Benchmarking
- INPO Initiatives and Implementation Experience
- License Renewal Planning and Implementation

*Topics with high interest level in surveys.

Technical Contacts

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Past EQ Technical Meeting participants include:

Ameren-UE	Henry Controls, Inc. (Canada)	South Carolina Electric & Gas
American Electric Power	Hydro Québec (Canada)	Southern California Edison
Ametek Solidstate Controls	Iepson Consulting Enterprises	Southern Nuclear Oper. Co.
AREVA NP	Institute of Nuclear Power Ops	SNN-SA Cernavoda (Romania)
Assurance Technical Services	Japan Atomic Power Company	Stevenson & Associates (Czech Rep.)
ATC Nuclear	Japan Nuclear Energy Safety Org.	Stone & Webster Engineering
Atlantic Nuclear Services, Ltd.	Japan NUS Company	STP Nuclear Operating Co.
Atomic Energy of Canada, Ltd.	Kansai Electric Power Co.	Strategic Technologies & Resources
Arizona Public Service Co.	KCI Engineering Consultants	Teollisuuden Voima Oy (Finland)
Barton Instruments	Kernkraftwerk Leibstadt AG (Switz.)	Tenera Environmental
Bechtel	Kinectrics, Inc. (US & Canada)	Tennessee Valley Authority
Brookhaven National Lab	Korea Electric Power Corp..	Tokyo Electric Power Co. (Japan)
Bruce Power	Korea Power Engineering Company	Tractebel Energy Engineering
CableLAN Products, Inc.	Limitorque Corporation	TYCO Electronics (Raychem)
Cameron Measurement Systems	Luminant	United Controls International
Canadian Nuclear Safety Commission	Mitsubishi Heavy Industries (Japan)	US Nuclear Regulatory Commission
CANDU Owners Group	NAMCO/Danaher Controls	Valcor Engineering
Chubu Electric (Japan)	National Inst. of Nuclear Research (Mexico)	Vattenfall AB (Sweden)
Comisión Federal de Electricidad	National Technical Systems	Vectra Technologies
Conax Technologies	NB Power (Canada)	Wardrop Engineering (Canada)
Constellation Energy	Nebraska Public Power Dist.	Weed Instrument Company
CONTECH Engineering	NextEra Energy	Westinghouse Electric Corp.
Curtiss-Wright Flow Control Co.	NKW, Inc.	Winston & Strawn
<ul style="list-style-type: none">• QualTech NP• Scientech• Target Rock	Nuclear Energy Institute	Wolf Creek Nuclear Operating Corp.
Dessau (Canada)	Nuclear Logistics, Inc.	Worley/Parsons Group, Inc.
DiBenedetto Associates	Nuclear Research Inst. Rez (Czech Rep.)	Wyle Laboratories
Dominion Nuclear	Nuklearna Elektrarna Krško (Slovenia)	Xcel Energy
DTE Energy	Nutherm International	
Duke Energy Corporation	Oak Ridge National Laboratory	
EDF Energy	Omaha Public Power District	
Electric Power Research Institute	Ontario Power Generation	
Eletronuclear - Angra (Brazil)	Pacific Gas & Electric	
Emerson Process Management	PBMR (Pty.) Ltd. (S. Africa)	
<ul style="list-style-type: none">• ASCO Valve• Rosemount Nuclear Instruments• TOPWORX	Phoenix Contact	
Energy Northwest	PPL Susquehanna, LLC	
Entergy Nuclear Operations	Progress Energy	
Exelon Corporation	Public Service Electric & Gas	
Fauske & Associates	RCM Technologies	
FirstEnergy Nuclear	Rockbestos-Surprenant Cable	
FPL Energy	Rotork Controls	
GE-Hitachi Nuclear Energy	Sandia National Laboratories	
	Sargent & Lundy Engineers	
	Schultz Electric Company	