Curtiss-Wright, and NU Ginger are jointly sponsoring a technical meeting on nuclear power plant equipment 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 NU Ginger. There is a $1,295 fee for non-member participants.

Optional two-day training held Monday and Tuesday is $1,495 per attendee.

**Preliminary Agenda**

The meeting will be held Wednesday, November 16 through Friday, November 18, 2016 at the Opal Sands 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.**

<table>
<thead>
<tr>
<th>Monday - Tuesday, November 14-15</th>
<th>Training (Optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday 8:30am-5:00pm</td>
<td>Subject: The Theory and Application of Arrhenius Methodology in EQ Calculations</td>
</tr>
<tr>
<td>Tuesday 8:30am-12:00pm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tuesday, November 15</th>
<th>EQMS Users Group Meeting (Optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday 3:00pm-5:00pm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wednesday, November 16</th>
<th>Industry EQ Initiatives</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 a.m. - 12:00 p.m.</td>
<td>EQ Technical Topics</td>
</tr>
<tr>
<td>1:30 p.m. – 5:00 p.m.</td>
<td>EQ Program Topics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thursday, November 17</th>
<th>EQ Topics (Continued)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 a.m. - 5:00 p.m.</td>
<td>Regulatory Developments</td>
</tr>
<tr>
<td></td>
<td>Utility Interactions – Plant Topics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Friday, November 18</th>
<th>Utility Interactions – EQ Program Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 a.m. - 12:00 p.m.</td>
<td>Utility Interactions – Plant Topics (Continued)</td>
</tr>
</tbody>
</table>
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, August 26, 2016 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.

- CDBI Program Inspections (IP 71111.21N)
- EQ Involvement with Beyond Design Basis Events (i.e., Fukushima Mods affecteinge 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*
  - 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
  - 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
  - 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

*Topics with high interest level in surveys.

Technical Contacts

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rick Weinacht</td>
<td>Curtiss-Wright, Nuclear Division, Scientech</td>
<td>29399 US Hwy 19 N, Ste 320 Clearwater, FL 33761</td>
<td>(727) 669-3074</td>
<td>(727) 669-3100</td>
<td><a href="mailto:rweinacht@curtisswright.com">rweinacht@curtisswright.com</a></td>
</tr>
<tr>
<td>Bill Horin</td>
<td>Winston &amp; Strawn, LLP</td>
<td>1700 K Street NW, Washington, DC 20006</td>
<td>(202) 282-5737</td>
<td>(202) 282-5100</td>
<td><a href="mailto:whorin@winston.com">whorin@winston.com</a></td>
</tr>
</tbody>
</table>
Past EQ Technical Meeting participants include:

AES, Nuclear, Inc.
Ameren-UE
American Electric Power
Ametek Solidstate Controls
Analysis & Measurement Services Corporation
AREVA Inc.
Arexisgroup
Arizona Public Service Co.
Assurance Technical Services
ATC Nuclear
Atlantic Nuclear Services, Ltd.
AZZ Nuclear
Barton Instruments
Bechtel
Brookhaven National Lab
Bruce Power
CableLAN Products, Inc.
Cameron Measurement Systems
Canadian Nuclear Laboratories LTD.
CNNS Canadian Nuclear Safety Commission
CANDU Owners Group
Chubu Electric (Japan)
Clark Testing
Comisión Federal de Electricidad
Conax Technologies
Constellation Energy
Contech Inc.
Curtiss-Wright Nuclear Division
Dessau (Canada)
DiBenedetto Associates
Dominion Nuclear
DTE Energy
Duke Energy Corporation
EDF Energy
Electric Power Research Institute
Eletronuclear - Angra (Brazil)
Emerson Rosemount Nuclear Instruments, Inc.

- ASCO Numatics
- ASCO Valve
- Rosemount Nuclear Instruments
- TOPWORX

Energy Northwest
Engineered Solutions Group
Entergy Nuclear Operations
EPM, Inc.
Exelon Corporation
Fauske & Associates
FirstEnergy Nuclear
Forsmarks Kraftgrupp AB, Vattenfall
FPL Energy
GE-Hitachi Nuclear Energy
General Cable Corporation
Glenair
GLSEQ, LLC
Habia Cable AB
Henry Controls, Inc. (Canada)
Hydro Québec (Canada)
IEEE-SA
Iepson Consulting Enterprises
Institute of Nuclear Energy Research Atomic Energy Council. R.O.C.
Institute of Nuclear Power Ops
Japan Atomic Power Company
Japan Nuclear Energy Safety Org.
Japan Nuclear Safety Institute
Japan NUS Company, LTD.
Kansai Electric Power Co.
KEPCO E&C
Kernkraftwerk Leibstadt AG (Switzerland)
Kinecrtics, Inc. (US & Canada)
Kiran Consultants, Inc. (KCI)
Korea Electric Power Corp.
Korea Institute of Machinery & Materials
Korea Power Engineering Co.

Lakeside Process Controls
Limitorque Corporation
Luminant
Mitsubishi Heavy Industries (Japan)
NAMCO
National Inst. of Nuclear Research (Mexico)
National Technical Systems
NB Power (Canada)
Nebraska Public Power Dist.
NEQ Consulting
NextEra Energy
NKW, Inc.
Nuclear Energy Institute
Nuclear Logistics, Inc.
Nuclear Regulatory Commission
Nuclear Research Inst. Rez (Czech Rep.)
Nuklearna Elektrarna Krško (Slovenia)
Nutherm International
Oak Ridge National Laboratory
Omaha Public Power District
Ontario Power Generation
Pacific Gas & Electric
Palo Verde Nuclear Generating Station
PBMR (Pty.) Ltd. (S. Africa)
Phoenix Contact
Progress Energy
PSEG Nuclear LLC
Public Service Electric & Gas
RCM Technologies
Red Wolf Associates
Ringhals AB
Rizzo Associates Czech
RSCC Wire & Cable LLC
Rotork Controls
Sandia National Laboratories
Sargent & Lundy Engineers
SCANNA/SCE&G
Schultz Electric Company
South Carolina Electric & Gas
Southern California Edison
Southern Nuclear Oper. Co.
SNN-SA Cernavoda (Romania)
Stevenson & Associates
(Czech Rep.)
Stone & Webster Engineering
STP Nuclear Operating Co.
Strategic Technologies & Resources
Talen Energy
TE Connectivity Energy/Raychem
Teollisuuden Voima Oy (Finland)
Tenera Environmental
Tennessee Valley Authority
Tokyo Electric Power Co. (Japan)
Tractebel Energy Engineering
United Controls International
Ultra Electronics, NSPI
US Nuclear Regulatory Commission
Valcor Engineering
Vattenfall AB (Sweden)
Vectra Technologies
Wardrop Engineering
(Canada)
Washington Laboratories, LTD.
Weed Instrument Company
Westinghouse Electric Co.
Winston & Strawn
Wolf Creek Nuclear Operating Corp.
Worley/Parsons Group, Inc.
Xcel Energy