

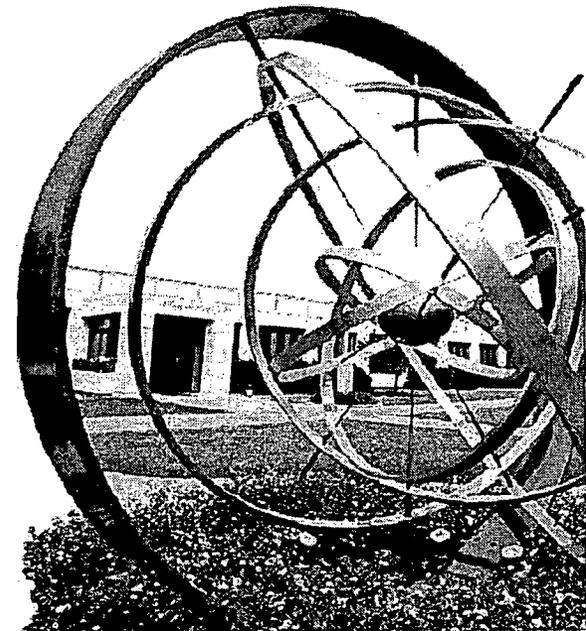


BWR Owners' Group

Rich Anderson (FPL Energy)

BWROG Executive Chair

BWROG / NRC Management
Public Meeting
November 5, 2008



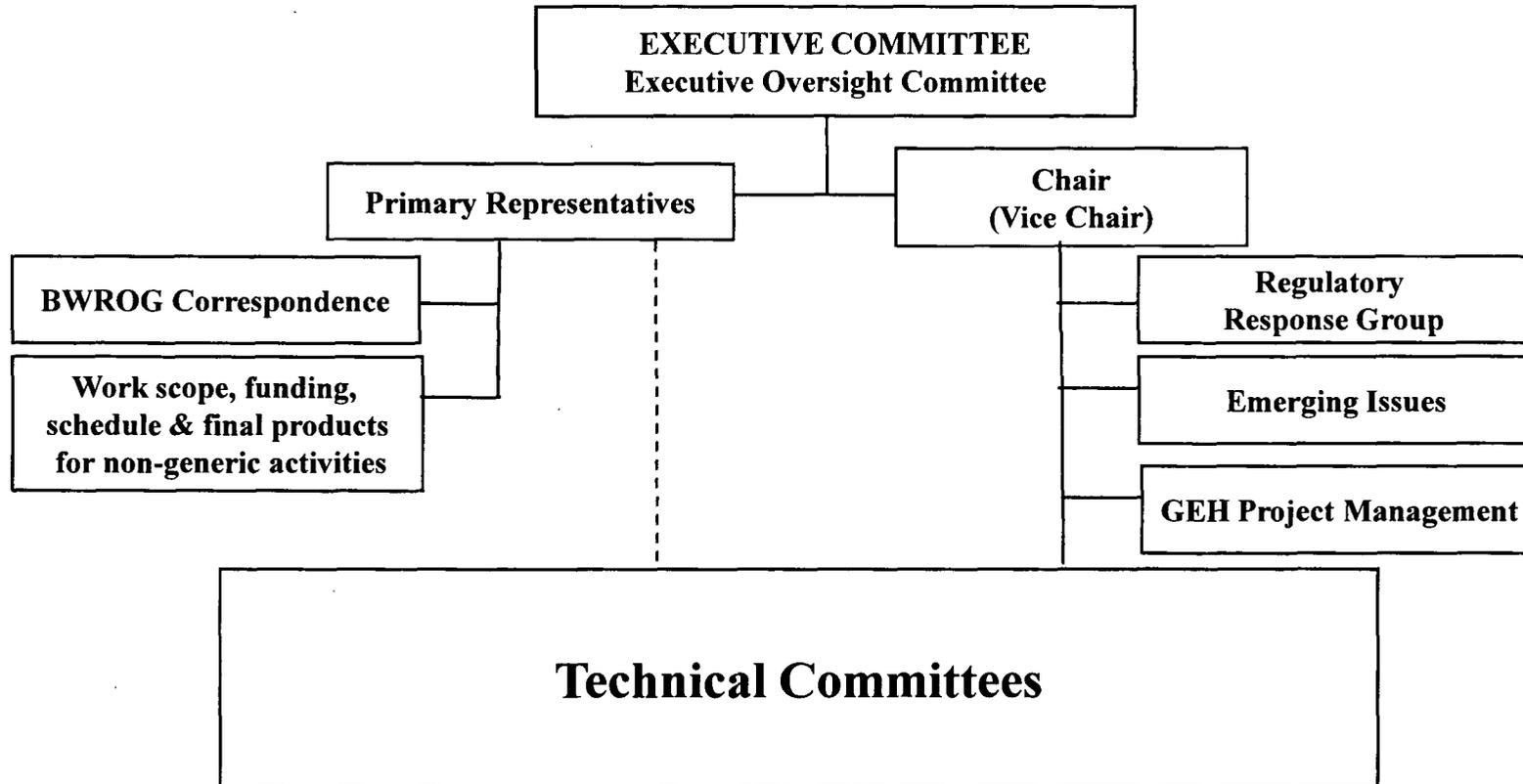
BWROG

Mission

Provide a forum, in the spirit of partnership with General Electric - Hitachi, that allows its member utilities to:

- maintain and improve plant safety,
- achieve higher plant reliability,
- minimize and share costs,
- facilitate regulatory interaction,
- and effectively apply limited technical resources for mutual resolution of issues applicable to two or more members.

BWROG Organization



BWROG Leadership

Executive Oversight Committee

- Rich Anderson, FPL Energy (Chair BWROG Exec Committee)
- Rick Libra, Exelon (Vice Chair BWROG Exec Committee)
- Paul Davison, PSEG Nuclear
- Joe Donahue, Progress Energy
- Oscar Limpias, Entergy
- Dennis Madison, Southern Company

BWROG General Committee

- Chair: Doug Coleman, Energy Northwest
- Vice Chair: Ted Schiffley, Exelon
- Program Manager: Ken McCall, GEH

BWROG

Interactions

NEI and PWROG

- Fire Protection, Reg Guide 1.200, Gas Accumulation, ECCS Suction Strainers

EPRI

- Recirculation pump seals, SRVs, Equipment Obsolescence Issues, Terry turbines

International organizations

- Japan Owners' Group, European Owners' Groups, Workshops: PSA, Fuels, Valves, Fire

INPO

- Review visits, Scram Frequency Reduction, Emergency Procedures, Feedwater system, Fleet Performance, Zero by 2010

Consolidated Line Item Improvement Process (CLIIP)

CLIIP Adoption

- CLIIP amendments average 1/10th the cost of a normal amendment and are approved in an average of 6 months
- Since 2000, the NRC has approved nearly 200 LARs based on CLIIP for BWROG plants, for a collective NRC review fee saving of ~ \$7M
- Encourage continued NRC focus on the CLIIP process, has high value

Current BWROG Submittals

On Schedule

Reg Guide 1.97

- RAI responses submitted Oct 08
- Final SE expected May 09

ODYSY (Stability)

- Draft SE comments submitted Oct 08
- Final SE expected before Jan 09

PTC-GEH

- Issues resolved with staff
- Revision to be submitted in November
- Fleet impact review by January 2009

Current BWROG Submittals

Delayed Schedule

RITS 4a/6b

- NRC requested BWROG withhold re-submittal until May 09 (following RAIs for PWROG submittal)
- Prepared to resubmit 4Q 08

Containment Overpressure (COP)

- NRC accepted
- RAIs expected Nov 08

Technical Issue

TSTF-493 LSSS methodology

- Meeting held Nov 4
- NRC response to TSTF-493 Rev 3 (11/4/08)
 - TSTF to review this response
- Encourage working level meeting to work through remaining issues

ECCS Gas Intrusion Background

BWROG committee formed to address:

- Generic Letter 2008-01, “Managing Gas Intrusion in Emergency Core Cooling, Decay Heat Removal and Containment Spray Systems”
- INPO SER 2-05 Revision 1 “Gas Intrusion in Safety Systems.”

ECCS Gas Intrusion Current Status

Gas Accumulation Team (GAT) coordinated the industry response to the GL

GAT is made up of leadership from the respective industry support groups including BWROG

NEI Gas Accumulation Workshop July 29-31, 2008 (NRC in attendance for the general session)

Technical Specifications: NRC position that “filled” does not mean water solid

- Task Interface Agreement (TIA)

BWROG and PWROG have created individual and collaborative products to support their members GL responses

ECCS Gas Intrusion Current Status

NRC Meeting Sept. 4, 2008: gave the NRC an update on what the 9-month responses will entail

Plants have submitted their 9-month responses per the industry template

October 23 discussion held with NRC technical staff on Owners Groups' products and informal feedback on 9-month response

BWROG and PWROG will be conducting a decision-making analysis to evaluate the existing suction-side void criteria

Another industry workshop is tentatively scheduled for the Spring of 2009

BWR ECCS Strainers Background

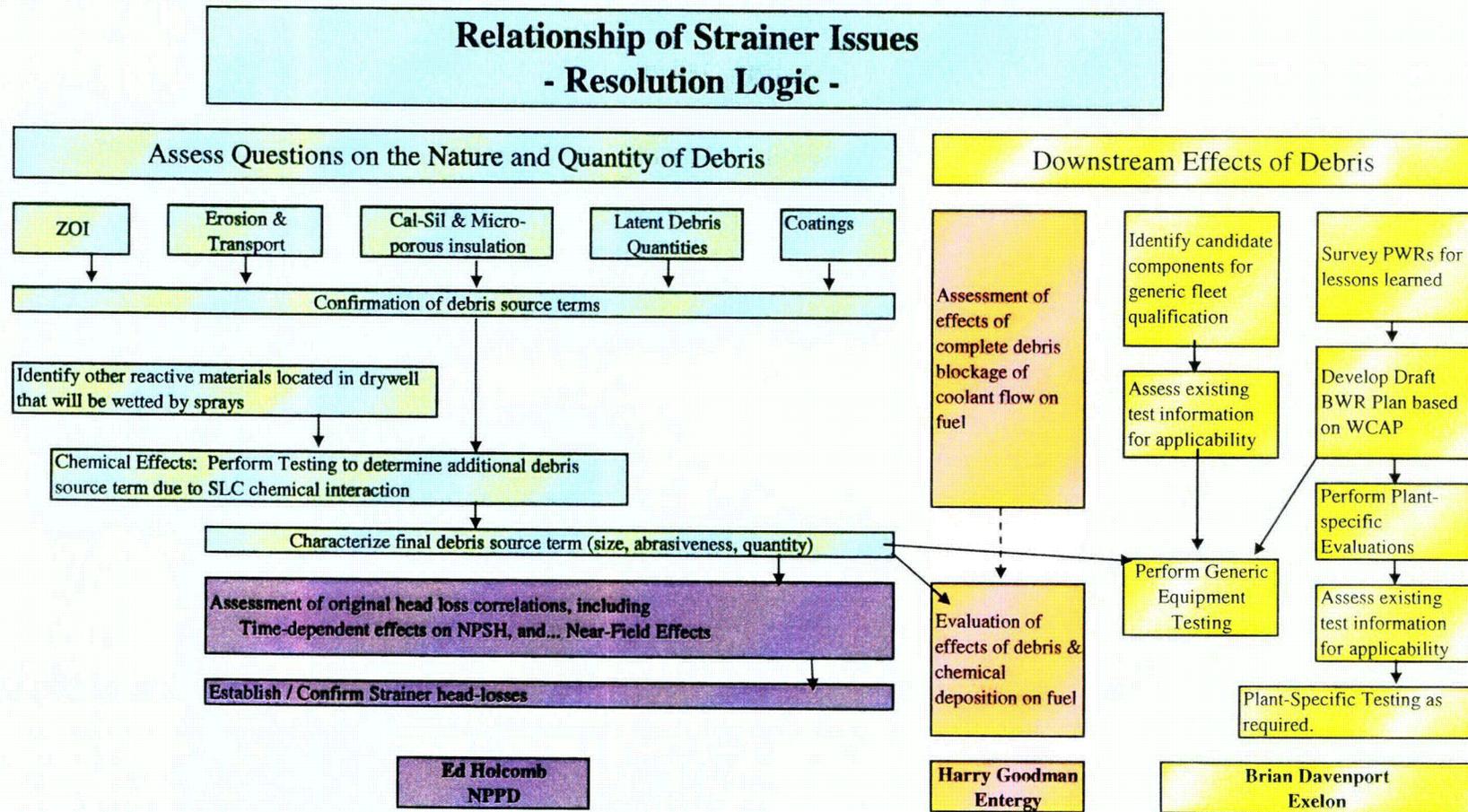
NRC

- Management meetings with BWROG 6/10/08 and 9/10/08
- Technical exchanges with BWROG 9/11/08 and 10/7/08

BWROG

- Detailed 3-year project plan being worked
- 2008 funding in place and projects underway for
 - Assessment of Fuel Blockage (GEH)
 - Assessment of BWROG URG (NEDO-32686-A) vs. NEI 04-07
 - Evaluation of DBA Qualification of Coatings & Debris (GEH)
 - Guidelines for containment walkdowns

Relationship of Strainer Issues & Resolution Logic



BWR ECCS Strainers

Future Activities

Downstream Effects: Adapt WCAP 16406 for BWRs

Testing for impacts on fuel (blockage and chemical effects) if required

Surveys of industry practices (e.g. Latent Debris Quantities, Cal Sil / Micro-porous Insulation inventories, FME Practices vs. Latent Debris)

Finalize and apply Debris Source Terms

Downstream Effects on components

Strainer Head Loss Correlations (analysis and testing if required)

BWR ECCS Strainers

Activity Coordination

Periodic meetings with NRC staff

Sharing of products with NRC staff (first will be Walkdown guidelines)

Soliciting commitment from members to implement walkdown guidelines including timeframe

BWROG

Magnesium Rotor Motor Inspection

Valve Technical Resolution Group (VTRG) has drafted guidelines and plan to issue in January 2009

Guidelines include:

- MOV Prioritization Method & Associated Schedule
- Borescope Inspection Criteria
- Motor Disassembly Instructions and Inspection Criteria
- Equipment Qualification Considerations
- Installation of motor inspection ports
- Spare part requirements for motor disassembly