

WESTINGHOUSE OWNERS GROUP

**WOG / NRC SENIOR MANAGEMENT
MEETING**

May 8, 2001

WESTINGHOUSE OWNERS GROUPS WOG / NRC SENIOR MANAGEMENT MEETING May 8, 2001

I. INTRODUCTION

- Meeting Purpose
 - WOG/NRC Information Meetings Implemented in 1992
 - Conducted on a Biannual Basis
 - Last Meeting November 27, 2000
 - Interface Meetings
 - Maintain & enhance communication channels
 - Allow for candid discussion of open issues / concerns
 - Provide major program activity update
 - Review NRC status of WOG submittals
 - Solicit NRC input to WOG program planning & prioritization process

WESTINGHOUSE OWNERS GROUPS

WOG / NRC SENIOR MANAGEMENT MEETING

May 8, 2001 Agenda

INTRODUCTION

- Meeting Purpose
- NRC Introductory Comments
- Agenda Review
- WOG Organizational Changes

Brew Barron, Duke, WOG EC Chairman
Sam Collins, Director NRR
Bob Bryan, TVA, WOG Chairman

WOG PRESENTATIONS

Bob Bryan

- Risk Informed Tech Specs
- Risk Informed Inservice Inspection
- Risk Informed Regulation
- RCS Cracking
 - RV Head Penetration Cracking
- WOG Strategic Plan

REVIEW WOG NRC SUBMITTALS

Bob Bryan

- Reports Submitted
- Reports to be Submitted

NRC ITEMS

NRC

- Open Discussion

All

CLOSING COMMENTS

Bob Bryan

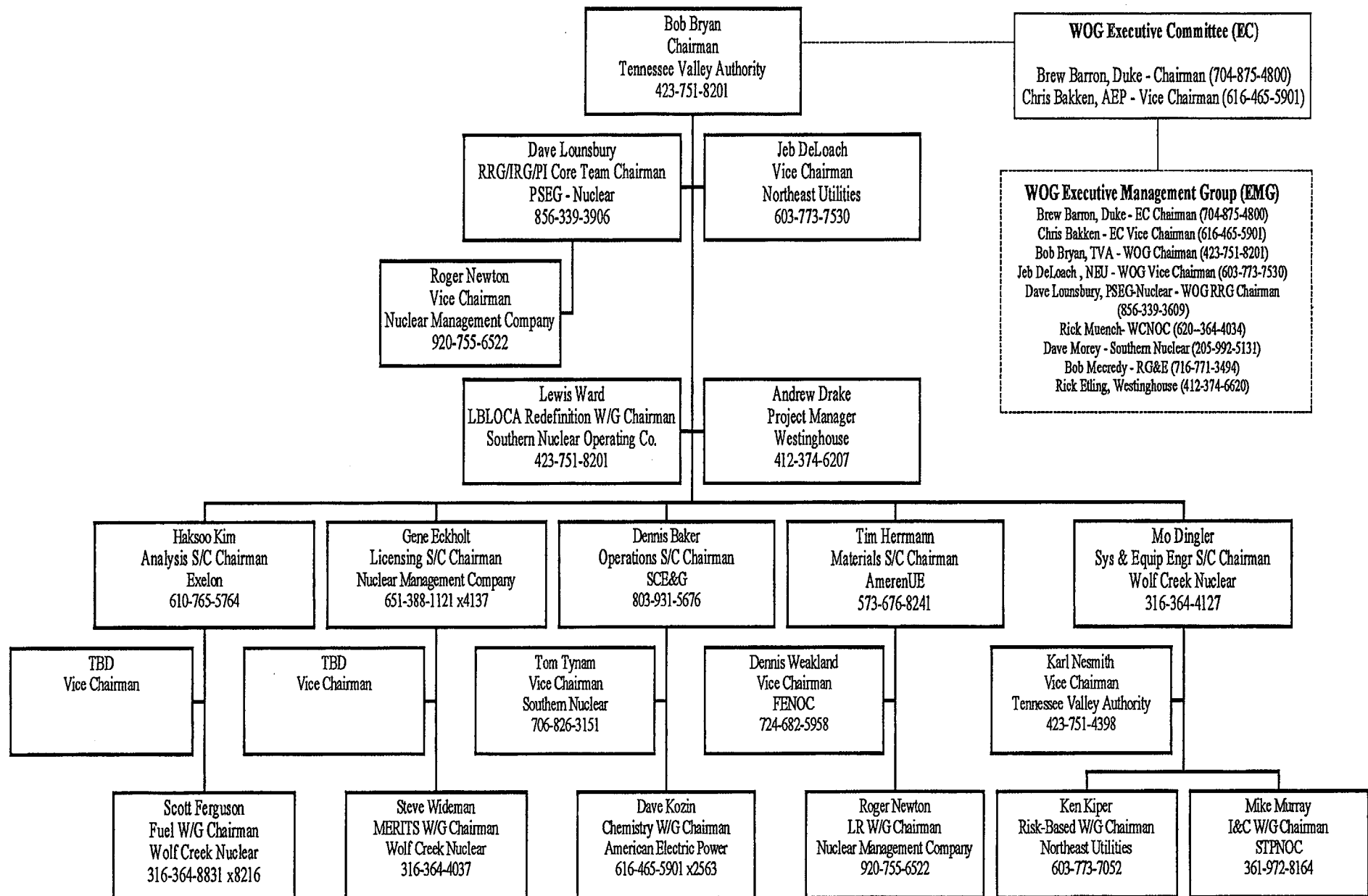
- Comments/Suggestion
- Action Item Review

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I. INTRODUCTION

- **WOG Organizational Changes**
 - New Steering Committee Officers Elected February 2001
 - New Executive Committee Officers Elected March 2001

Westinghouse Owners Group Steering Committee - 2001



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II. WOG PRESENTATIONS

- Risk Informed Tech Specs
 - WOG Working with the NEI on RITS Initiatives
 - Submittals
 - Extend Time in SR 3.0.3 for a Missed Surveillance
 - TSTF-358 submitted; approval was expected by ~ 4/01
 - Revise LCO 3.0.4 to Allow Mode Changes when not meeting LCOs
 - TSTF-359 submitted 3/01; industry expecting approval by ~ 7/01
 - To be implemented via CLIIP
 - Timely approval needed to show 'success' to industry stakeholders

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II. WOG PRESENTATIONS - continued

- Risk Informed Tech Specs - continued
 - WOG Topical Reports to be Submitted:
 - AC Power Systems Topical Report: submittal 2nd Q 2001
 - Containment Isolation Valves Topical Report: submittal early 3rd Q 2001
 - Additional Topical Reports to be submitted 2002-2003

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II. WOG PRESENTATIONS - continued

- Risk Informed Inservice Inspection
 - Incorporation of Augmented Exams into SER
 - Addendum 1 to WCAP-14572, submitted December, 1999 under Footnote 4 10CFR170.21
 - In response to RAIs resubmitted WCAP June 2, 2000
 - October 2000 Beaver Valley-2 identified to NRC as planning to submit for HELB exams
 - NRC March 8, 2001 letter requested a pilot plant application to determine the feasibility of formulating a generic approach
 - WOG requests approval of the application of WCAP to augmented inspection programs in accordance with RG-1.174/RG-1.178 criteria
 - WOG understands NRC sending a letter on fee waiver request

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II. WOG PRESENTATIONS - continued

- Risk Informed Regulation
 - Staff Interpretation of RI-ISI Weld Inspection Requirements
 - New NRC requirement to examine a minimum of 10% of Class 1 butt welds in recently submitted RI-ISI programs using WOG methodology
 - Surry pilot plant included NRC review without 10% minimum
 - NRC issued safety evaluation report granting approval of WCAP-14572 without 10% minimum
 - Requirement is not discussed in Reg Guide 1.178 or SRP Chapter 3.9.8.
 - NRC stated needed for “Defense in Depth”
 - WOG concerned about change in regulatory basis

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II. WOG PRESENTATIONS - continued

- **Risk Informed Regulation - continued**
 - **ATWS**
 - Interacting with NRC since 1998
 - Spent \$550,000 (\$370,000 addressing NRC issues)
 - 10^{-7} CDF
 - Topical Report to be submitted 4th Q 2001; includes lead plant
 - Staff has indicated they expect “protracted” review
 - WOG concerned that “protracted” review would be due to defense-in-depth issue

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II. WOG PRESENTATIONS

- Risk Informed Regulation - *continued*
 - LBLOCA Redefinition
 - Have Industry Consensus
 - NRC projected LBB Work - \$100 million minimum
 - Not Reasonable for 5×10^{-6} Event
 - WOG proceeding with LBLOCA Redefinition
 - Preferred to work with Staff, but will petition Commission for rulemaking
 - More detailed rule than previously discussed

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II. WOG PRESENTATIONS - continued

- Risk Informed Regulation - continued
 - NRC Initiatives
 - LBLOCA Redefinition Low Priority
 - ANS 79 Decay Heat
 - Not Risk Informed
 - 22 Year Old Consensus Standard
 - Should be implemented independent of RI

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II. WOG PRESENTATIONS

- Risk Informed Regulation Summary
 - Significant time and money has been expended
 - WOG not seeing expected benefit/value coming from the Staff
 - Need focus and paths to success
 - Preeminence of “Defense in Depth”
 - Are technical issues consistent with risk and application?
 - WOG wants to aid in moving forward

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II. WOG PRESENTATIONS - continued

- **RCS Cracking**
 - WOG supports coordination of generic industry activities on RCS cracking
 - MRP A600 ITG has taken the lead in developing & implementing the industry plan for response to generic implications of cracks for both RCS piping and RVHPs
 - Working through Westinghouse to supply susceptibility data to MRP
 - Several WOG plants have taken initiative to inspect head in Spring outage with more expected in Fall
 - Providing support to MRP in addressing operator actions
 - WOG will support specific tasks to assist WOG members as required

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II. WOG PRESENTATIONS - continued

- **WOG Strategic Plan**
 - Addresses Consolidation & Deregulation Issues
 - Improves Return on Dollars Spent
 - Focuses on Core Issues
 - Provides Quantitative Performance Measures
 - Ongoing Assessment Against Performance Measures

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II. WOG PRESENTATIONS - continued

- **WOG Strategic Plan - continued**
 - **WOG Action Plan**
 - Conduct a “Self Assessment” of WOG Products
 - Review and revise the WOG acceptance criteria for WOG products
 - Increase WOG effectiveness with the NRC
 - Revise charter to address the sharing and handling of utility proprietary and commercially sensitive information
 - Review current and future role of EPRI, NEI, INPO and the Owners Groups
 - Initiate the coordination of WOG & CEOG activities
 - Initiate a look at Global Consolidation

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II. WOG PRESENTATIONS - continued

- **WOG Strategic Plan-** continued
 - Metrics related to NRC
 - Number of WCAPs under review by NRC
 - Average time in review
 - Number of WCAPS approved by NRC
 - Number of meetings required to support approval
 - Cost and hours required to obtain approval
 - Accuracy in budgeting for review

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III. REVIEW WOG NRC SUBMITTALS

- Reports Submitted
 - WCAP-14748/14749 Justification of Increasing BOT in W PWRs
 - Addendum to WOG Application of RI Methods to Piping ISI Topical Report to Address Changes to Augmented Inspection Requirements (WCAP-14572, Revision 1-NP-A Addendum 1)
 - RT&ESF Logic and Rx Trip AOT & STI (WCAP-15376)
 - Limited Scope High Burnup LTAs (WCAP-15604)
 - RCP Seal Leakage Model for W PWRs (WCAP-15603)
 - One LR Report (WCAP-15338)

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III. REVIEW WOG NRC SUBMITTALS

- **Reports to be Submitted**

- RI AC Power Systems AOT Extensions (WCAP-15622) 2nd Q 2001
- Extension of RCP Motor Flywheel Examination (WCAP-15666) 3rd Q 2001
- RI Containment Isolation Valve AOT Extensions 3rd Q 2001
- RI ATWS 4th Q 2001
- COMS Setpoints & RCS HU/CD Curves Methodology
(WCAP-14040 Rev 3) 4th Q 2001

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IV. NRC

- Open Discussion

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V. CLOSING COMMENTS

- Comments / Suggestions
- Action Item Review

WOG WCAP Submittals to NRC

WCAP #	WOG Priority	Title	OG Letter	Lead Plant	Estimated SER Date	Actions/Comments
14748/14749	1	Justification for Increasing Postulated Break Opening Times in Westinghouse Pressurized Water Reactors	OG-97-006 January 31, 1997 Re-submitted OG-98-120 December 10, 1998	Generic	Issued 10/1/98 for BBB Generic 03/01	RAI responses provided to the NRC via OG-00-104 (10/00) and OG-00-114 (11/00). NRC clarification issued 3/27/01
14572, Rev 1-NP-A-Add 1	2	Addendum to WOG Application of RI Methods to Piping ISI Topical Report to Address Changes to Augmented Inspection Requirements	OG-99-099 December 21, 1999	TBD. (currently generic submittal)	TBD	Revised pages provided by OG-00-050 6/2/00. NRC via 3/8/01 letter has requested lead plant application.
15376	3	RT & ESF Logic and Rx Trip AOT and STI	OG-00-112 November 15, 2000	Generic	09/01	First invoice received.
15604	4	Limited Scope High Burnup LTAs	OG-00-116 November 12, 2000	Generic	06/01	RAIs issued 1/25/01. Responses to be provided by 5/31/01
15603	5	WOG 2000 RCP Seal Leakage Model for Westinghouse PWRs	OG-00-125 December 20, 2000	Generic	TBD	

Note: Estimated SER dates provided by NRC.

License Renewal Submittals

WCAP #	WOG Priority	Title	OG Letter	Lead Plant	Estimated SER Date	Actions/Comments
14422 Rev. 2	N/A	License Renewal Evaluation: Aging Management for Reactor Coolant Supports	OG-97-024 3/4/97	Generic	FSER rec'd 11/17/00	Approved version of WCAP transmitted to NRC via OG-01-009 2/16/01
14575	N/A	License Renewal Evaluation: Aging Management for Class 1 Piping	OG-96-071 8/28/96	Generic	FSER rec'd 11/18/00	Approved version of WCAP transmitted to NRC via OG-01-009 2/16/01
14574	N/A	License Renewal Evaluation: Aging Management for Pressurizer	OG-96-052 7/3/96	Generic	FSER rec'd 10/26/00	Approved version of WCAP transmitted to NRC via OG-01-009 2/16/01
14756	N/A	License Renewal Evaluation : Aging Management for Pressurized Water Reactor Containment Structure	OG-96-103 12/11/96	Generic	FSER rec'd 4/12/01	Approved version of WCAP to be transmitted to NRC by 5/31/01
14577	N/A	License Renewal Evaluation: Aging Management for Reactor Vessel Internals	OG-97-088 9/2/97	Generic	FSER rec'd 2/10/01	Approved version of WCAP transmitted to NRC via OG-01-027 4/9/01
15338	1	A Review of Cracking Associated with Weld Deposited Cladding in Operating PWR Plants	OG-01-018 3/1/01	Generic	TBD	NRC RAIs received 4/12/01. Response planned by 5/31/01.

Note: Estimated SER dates provided by NRC.

ASIC Subgroup Program

WCAP #	WOG Priority	Title	OG Letter	Lead Plant	Estimated SER Date	Comments
15413	N/A	ASICS Based Replacement Modules for Use in Analog Process Control and Protection Applications Licensing Summary Report	OG-97-069, July 10, 1997 WOG-ASIC-98-002, June 5, 1998; WOG-ASIC-00-024	South Texas	SER Issued February 8, 2001	Approval of the Licensing Summary Report approved all sub-tier Including WCAPs 15215, 15371, 15378, and 15403
15215 Rev 0	N/A	Seismic Test Report Westinghouse ASIC-Based Replacement Module for 7300 Process Protection System May 1999	WOG-ASIC-99-019, August 9, 1999	South Texas		
15371 Rev 0	N/A	Fault Conditions Test Report Westinghouse ASIC-Based Replacement Module for 7300 Process Protection System February 2000	WOG ASIC-00-005 February 7, 2000	South Texas		
15378 Rev 0	N/A	Environmental Test Report Westinghouse ASIC-Based Replacement Modules for 7300 Process Protection System February 2000	WOG ASIC-00-007 March 6, 2000	South Texas		
15403	N/A	EMC Test Report	WOG-ASIC-00-024 June 21, 2000	South Texas		

Anticipated WOG WCAP Submittals to NRC

WCAP #	WOG Priority	Title	Estimated Submittal Date	Comments
15622	1	Risk Informed AOT Extensions - AC Power Sources & Distribution	2 nd Quarter, 2001	
14535 Rev 1	2	Topical Report on Reactor Coolant Pump Flywheel Inspection Elimination	3 rd Quarter, 2001	
XXXXXX	3	Risk Informed AOT Extensions - Containment Isolation Valve	3 rd Quarter, 2001	
XXXXXX	4	Risk Informed ATWS Model	4 th Quarter, 2001	
14040 Rev 3	5	Methodology Used to Develop Cold Overpressure Mitigating System Setpoints and RCS Heatup and Cooldown Limit curves	4 th Quarter, 2001	
XXXXXX	N/A	Risk Informed AOT Extensions - Fluid Systems (ECCS, SW, CCW, CS)	3 rd Quarter, 2002	
XXXXXX	N/A	Risk Informed AOT Extensions - DC Power Sources & Distribution	2 nd Quarter, 2003	
XXXXXX	N/A	Risk Informed AOT Ext. - Generic (CIV, RWST, MSSV, ADV, PAM)	3 rd Quarter, 2003	