

WESTINGHOUSE OWNERS GROUP / NRC
SENIOR MANAGEMENT MEETING
One White Flint North – Room O-5B4
Rockville, MD
November 15, 2000, 1:00 PM - 4:30 PM

AGENDA

1:00 PM INTRODUCTION

- Meeting Purpose
- NRC introductory Comments
- Agenda Review
- WOG Steering Committee Changes

Bob Bryan, TVA, WOG Chairman
Sam Collins, NRC
Bob Bryan

1:15 PM WOG PRESENTATIONS

Bob Bryan

- Status of LBLOCA Redefinition
- Risk Informing Tech Specs Progress/Issues
- Status of RI ATWS Model
- PSA Peer Review Status
- License Renewal Implementation
- RCP Seal Model
- WOG Break Opening Time Topical Report Status
- ASME Code Cases
- IN-95-03 Supplement 2
- Voluntary Industry Initiatives (SECY-00-0116)

2:45 PM REVIEW WOG NRC SUBMITTALS

Bob Bryan

- Priority of WOG Submittals
- Future Planned WCAP Submittals

3:00 PM NRC ITEMS

NRC

- NEI Task Force on Control Room Habitability
- Cracking on RCS Piping
- Open Discussion

Rich Barrett, NRC

All

3:45 PM CLOSING COMMENTS

Bob Bryan

- Comments/Suggestion
- Action Item Review

4:00 PM TOUR OF WORK PLANNING CENTER

Brian Sheron, NRC

4:30 PM ADJOURN

WESTINGHOUSE OWNERS GROUP

**WOG / NRC SENIOR MANAGEMENT
MEETING**

November 15, 2000

WESTINGHOUSE OWNERS GROUPS WOG / NRC SENIOR MANAGEMENT MEETING November 15, 2000

I. INTRODUCTION

- Meeting Purpose
 - WOG/NRC Information Meetings Implemented in 1992
 - Conducted on a Biannual Basis
 - Last Meeting April 28, 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

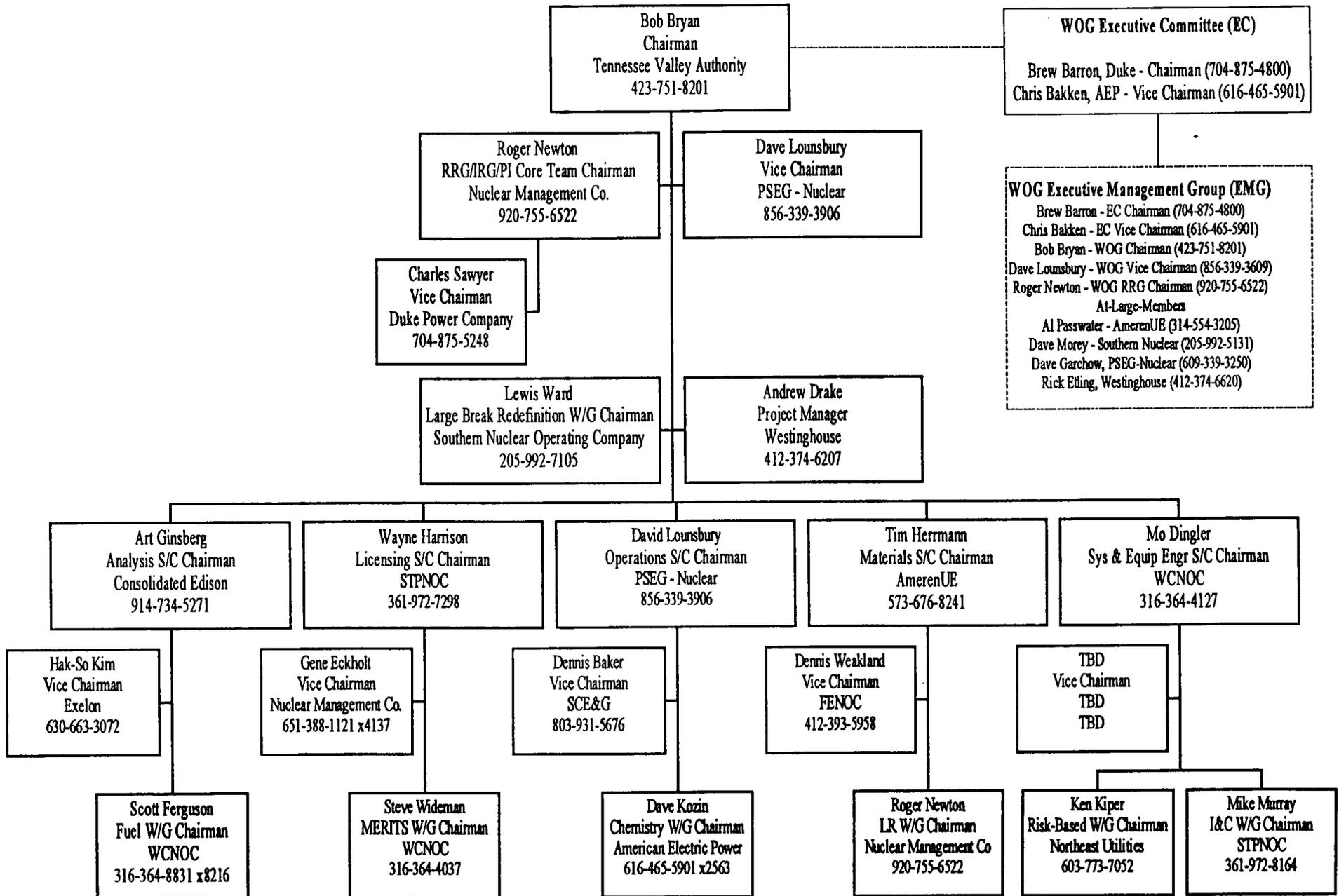
November 15, 2000

I. INTRODUCTION

- WOG Steering Committee Changes
 - WOG Chairman Karl Jacobs, NYPA, resigned effective 10/31/00 to accept a non-nuclear position with NYPA
 - Bob Bryan, TVA, appointed Chairman
 - David Lounsbury, PSEG-Nuclear, appointed Vice Chairman
 - Annual elections to be conducted February 2000

- WOG Executive Committee Formed
 - Executive Advisory Committee restructured into “new” Executive Committee
 - Formation consistent with industry consolidation
 - Responsibility for financial & strategic functions
 - Executive Management Group retained

Westinghouse Owners Group Steering Committee - 2000



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WOG / NRC SENIOR MANAGEMENT MEETING
November 15, 2000**

II. WOG PRESENTATIONS

- Status of LBLOCA Redefinition
 - Objective
 - Pursue Rule-Making under SECY-98-300, Option 3 to Allow Redefinition of the Limiting LOCA Break Size Required for Plant Licensing Basis - WOG has approved a \$3M Project through 2002.
 - Program Structure:
 - Risk Informed analyses
 - Leak before break analyses
 - Rulemaking support
 - Implementation Guidelines
 - Industry Coordination (work with NEI, OGs and NSSS vendors)
- Next WOG/NRC meeting November 16

**WESTINGHOUSE OWNERS GROUP
WOG / NRC INFORMATION MEETING
November 15, 2000**

II. WOG PRESENTATIONS - continued

- Risk Informing Tech Spec Progress / Issues
 - WOG Working with the Industry on RITS Initiatives
 - Extend Time in SR 3.0.3 for a Missed Surveillance
 - TSTF-358 submitted; approval expected by ~ 11/00
 - Revise LCO 3.0.4 to Allow Mode Changes when not meeting LCOs
 - TSTF-359 submitted; approval expected by ~ 1/01
 - Risk Informed AOTs
 - AC Power Systems Topical Report: submittal 2nd Q 2001

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II. WOG PRESENTATIONS - continued

- Status of RI ATWS Model
 - Objectives
 - Develop Risk-Informed ATWS model and evaluation approach that can be used to address NRC concerns with WCAP-11992
 - WOG/NRC meeting 8/23/00
 - Progressing on technical issues
 - NRC Risk Informed Comments
 - Reg Guide 1.174 not sufficient by itself to Risk Inform Regulations
 - Don't necessarily believe low PRA values
 - Quid pro quo
 - Additional plant equipment
 - Topical Report to be submitted 2nd Q 2001; includes lead plant

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WOG / NRC SENIOR MANAGEMENT MEETING

November 15, 2000

II. WOG PRESENTATIONS - continued

- PSA Peer Review Status
 - Conducting PRA peer reviews for each currently operating domestic WOG member plant (thirty sites)
 - Assess PRA quality, recommend PRA-specific improvements, and identify common development needs
 - Reduce level of NRC review needed to support risk-informed WOG plant licensing changes
 - Eight reviews conducted through 10/30/00
 - Reviews scheduled
 - Two WOG sites in 2000
 - Nineteen WOG sites in 2001
 - WOG currently utilizes draft ASME PRA standard criteria as supplemental guidance
 - WOG intends to consider ASME PRA standard as an integral part of routine PRA reviews / lessons learned

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II. WOG PRESENTATIONS - continued

- License Renewal Implementation - Phase 1 (1993-2000)
 - NRC Submittal Status - GTRs
 - October 4 NRC letter documented schedule and additional fees :
 - RCS Supports, Rev. 2 FSER due Nov. 24, 2000
 - Pressurizer, Rev. 0 FSER issued Oct. 26, 2000
 - Class 1 Piping, Rev. 0 FSER issued Nov. 8, 2000
 - Containment, Rev. 0 DSER expected Nov. 22, 2000
 - Reactor Internals, Rev. 1 Submitted Oct. 12, 2000. Incorporates
changes identified in RAI responses.
Expected to be sufficient to permit FSER
- Achieved acceptable resolution to generic review fee issue

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II. WOG PRESENTATIONS - continued

- License Renewal Implementation -Phase 2 (2000-2004)
 - Lead Plant Support
 - Support Lead Plants through LR Application and SER
 - Generic LR Issues (WOG)
 - Generic RAIs (WOG)
 - Generic TLAAs (WOG)
 - At NRC and ACRS meetings
 - Develop WOG Guidance Documents
 - Support Industry Efforts NRC, ACRS, NEI, ASME
 - Standard Application Format
 - LR Standard Review Plan (SRP), Generic Aging Lessons Learned (GALL)
 - NEI 95-10

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II. WOG PRESENTATIONS - continued

- RCP Seal Model
 - Need Closure or Acceptable Seal Model
 - WOG RCP Seal Leakage PRA Model Status:
 - *WOG2000* RCP Seal Leakage PRA Model was presented to the NRC in September 2000
 - A WCAP documenting *WOG2000* Model will be submitted to the NRC for review in December with a request for a SER
 - Upon NRC approval of the WCAP, an Implementation Guide will be developed to assist WOG Utilities

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II. WOG PRESENTATIONS - continued

- WOG Break Opening Time Topical Report Status
 - Objective
 - Relax Break Opening Time (BOT) to 20msec for Generic Applications
 - Status
 - NRC issued RAI 7/00; Reponses provided 10/00
 - Issued believed to be resolved; expect SER shortly

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II. WOG PRESENTATIONS- continued

- ASME Code Cases
 - To date NRC has endorsed 58 Code Cases
 - To date NRC has either not taken action or not approved 68 ASME-Approved Code Cases
 - A smooth, efficient process is needed for NRC endorsement

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WOG / NRC SENIOR MANAGEMENT MEETING
November 15, 2000

II. WOG PRESENTATIONS- continued

- IN-95-03 - Loss of Reactor Coolant Inventory and Potential Loss of Emergency Mitigation Functions while in a Shutdown Condition
 - NRC Issued GL 98-02, requiring utility action
 - Recent (2000) inspection at one facility identified a concern with the procedures used to recover from a hot pressurized shutdown LOCA.
 - The WOG responded to NRC inspection concerns generically via the ERG Maintenance Program process in August 2000

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WOG / NRC SENIOR MANAGEMENT MEETING
November 15, 2000

II. WOG PRESENTATIONS- continued

- Voluntary Industry Initiatives (SECY-00-0116)
 - WOG comments provided to NRC and NEI
 - WOG believes the proposed guidelines are not necessary
 - WOG has been responsive & has mechanisms in place to address important issues

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WOG / NRC SENIOR MANAGEMENT MEETING
November 15, 2000

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)
 - Three LR Reports (WCAPs; 14422, 14756, & 14577)
 - Five ASIC Reports (WCAPs; 15413, 15215, 15371, 15378, & 15403)
 - RT&ESF Logic and Rx Trip AOT & STI (WCAP-15376)

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WOG / NRC SENIOR MANAGEMENT MEETING
November 15, 2000**

III. REVIEW WOG NRC SUBMITTALS

• **Reports to be Submitted**

- | | |
|--|------------|
| – RCP Seal Leakage Model for <u>W</u> PWRs; | 4th Q 2000 |
| – Limited Scope High Burnup LTAs (WCAP-15604); | 4th Q 2000 |
| – RI ATWS | 2nd Q 2001 |
| – RCP Flywheel Inspection Elimination (WCAP-14535) | 2nd Q 2001 |
| – RI AC Power Systems AOT Extensions; | 2nd Q 2001 |
| – COMS Setpoints & RCS HU/CD Curves Methodology; | 2nd Q 2001 |

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WOG / NRC SENIOR MANAGEMENT MEETING
November 15, 2000**

IV. NRC

- NEI Task Force on Control Room Habitability
- Cracking of RCS Piping
- Open Discussion

**WESTINGHOUSE OWNERS GROUPS
WOG / NRC SENIOR MANAGEMENT MEETING
November 15, 2000**

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 12/00	RAIs issued 7/00. RAI reponses provided to the NRC via OG-00-104 (10/00)
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	Generic	TBD	Revised pages provided by OG-00-050 6/2/00
15376	3	RT & ESF Logic and Rx Trip AOT and STI	OG-00-112 November 15,2000	Generic	TBD	
10541, Rev. 2	*	Reactor Coolant Pump Seal Performance Following Loss of All AC Power	OG-84-122 May 3, 1984 OG-86-206 (Rev. 2) December 10,1986	Generic	SER denied 1/5/00	GSI-23 closed. Model in NUREG/CR-5167 to be used in PRAs supporting licensing actions. New topical report under preparation.

License Renewal Submittals

WCAP #	WOG Priority	Title	OG Letter	Lead Plant	Estimated SER Date	Actions/Comments
14422 Rev. 2	1	License Renewal Evaluation: Aging Management for Reactor Coolant Supports	OG-97-024 March 4, 1997	Generic	DSER rec'd 2/25/00	FSER requested
14575	2	License Renewal Evaluation: Aging Management for Class 1 Piping	OG-96-071 August 28, 1996	Generic	DSER rec'd 2/10/00	FSER requested
14574	*	License Renewal Evaluation: Aging Management for Pressurizer	OG-96-052 July 3, 1996	Generic	FSER rec'd 10/26/00	FSER issued.
14756	3	License Renewal Evaluation : Aging Management for Pressurized Water Reactor Containment Structure	OG-96-103 December 11, 1996	Generic	12/31/00	Awaiting draft SER.
14577	4	License Renewal Evaluation: Aging Management for Reactor Vessel Internals	OG-97-088 September 2, 1997	Generic	DSER rec'd 9/08/00	Revised WCAP transmitted 10/12/00. FSER requested.

Note: Estimated SER dates provided by NRC.

ASIC Subgroup Program

WCAP #	WOG Priority	Title	OG Letter	Lead Plant	Estimated SER Date	Comments
15413		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	TBD	
15215 Rev 0		Seismic Test Report Westinghouse ASIC-Based Replacement Module for 7300 Process Protection System May 1999	WOG-ASIC-99-019, August 9, 1999	South Texas	TBD	
15371 Rev 0		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	TBD	
15378 Rev 0		Environmental Test Report Westinghouse ASIC-Based Replacement Modules for 7300 Process Protection System February 2000	WOG ASIC-00-007 March 6, 2000	South Texas	TBD	
15403		EMC Test Report	WOG-ASIC-00-024 June 21, 2000	South Texas	TBD	

Anticipated WOG WCAP Submittals to NRC

WCAP #	WOG Priority	Title	Estimated Submittal Date	Comments
XXXXXX	1	WOG 2000 RCP Seal Leakage Model for Westinghouse PWRs	4 th Quarter, 2000	
15604	2	Limited Scope High Burnup LTAs	4 th Quarter, 2000	
14535 Rev 1	3	Topical Report on Reactor Coolant Pump Flywheel Inspection Elimination	2 nd Quarter, 2001	
XXXXXX	4	Risk Informed ATWS	2 nd Quarter, 2001	
XXXXXX	5	Risk Informed AOT Extensions (1 of 4) - AC Power Sources & Distribution	2 nd Quarter, 2001	
14040 Rev 3	6	Methodology Used to Develop Cold Overpressure Mitigating System Setpoints and RCS Heatup and Cooldown Limit curves	2 nd Quarter, 2001	
XXXXXX		Risk Informed AOT Extensions (2 of 4) - DC Power Sources & Distribution	2 nd Quarter, 2002	
XXXXXX		Risk Informed AOT Extensions (3 of 4) - Fluid Systems (ECCS, SW, CCW, CS)	4 th Quarter, 2001	
XXXXXX		Risk Informed AOT Ext. (4 of 4) - Generic (CIV, RWST, MSSV, ADV, PAM)	3 rd Quarter, 2001	