



Strategic Teaming And Resource Sharing  
(STARS)

NRC Meeting

August 16, 2000

# Agenda

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- NRC Introduction
- STARS Introduction . . . . . Al Passwater
- Common Licensing Actions . . . . Steve Wideman
- Risk Informed ISI . . . . . Ben Mays
- NRC Project Interface . . . . . Al Passwater
- NRC Topics
- Future Activities/Information Exchange

# STARS Background

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- Started as Joint Utility Venture in 9/99
- Steering Committee - CNOs of PG&E, WCNO, STPNOC, TXU and AmerenUE
- Decision to proceed with three major initiative areas 1/00
  - Regulatory Affairs
  - Outage Coordination
  - Supply Chain Management

# Integrated Regulatory Affairs Group (IRAG) Activities

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- 5 Utility Regulatory Affairs Organizations began working together prior to JUV
- Integrated Regulatory Affairs Group (IRAG) charter to develop common licensing areas for 5 sites
- Chairman, Vice Chairman, Members appointed 3/00. Charter finalized 5/00.

# IRAG Activities

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- Frequent Communications - Weekly Telecons, Quarterly Meetings
- Developed Strategy Summary Document
- Established Centers of Excellence
- Developing Common Licensing Procedures
- Comparing Licensing Organizations/Activities
- Developing Common Submittals
- Developing Common Licensing Personnel Training and Qualification
- Coordinating NEI Activities/Committee Memberships

# Industry Activities

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- NEI Technical Specification (TS) Working Group
- NEI TS Task Force
- NEI Licensing Actions Task Force
- NEI Control Room Habitability Task Force
- NEI Risk Informed Regulation Working Group
- STARS Washington Representative at NEI
- Westinghouse Owners Group (WOG)
- Reactor Oversight Program Group
- 50.59 Utility Service Alliance (USA) Group

# Common Licensing Actions

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- Center of Excellence established for Licensing Actions
  - Sharing of resources in the coordination and development of common Licensing Action submittals to the NRC
  - Wolf Creek the Center of Excellence with Points of Contacts established among five utilities
  - Regularly scheduled telecons to discuss status of Licensing Actions and various industry issues
  - Use of standard LAR format being considered by all utilities

# Common Licensing Actions

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- Regulatory Issue Summary (RIS) 2000-04, Licensing Action Estimates
  - Common responses to RIS
  - Identified common submittals to be developed within the time frame identified in the RIS
  
- Working to enhance coordination of common licensing actions within STARS utilities and with NRC staff
  - Consolidated Line Item Improvement Process (CLIIP)

**Regulatory Issue Summary 2000-04  
Licensing Action Estimates<sup>(1)</sup>**

	Callaway	Wolf Creek	Comanche Peak	Diablo Canyon	South Texas Project	Comments
STARS Common Submittals	Administratively Control Containment Penetrations During MODE 6 (TSTF-312) [submitted]	Administratively Control Containment Penetrations During MODE 6 (TSTF-312) [submitted]	Administratively Control Containment Penetrations During MODE 6 (TSTF-312) [submitted]	Administratively Control Containment Penetrations During MODE 6 (TSTF-312)	Administratively Control Containment Penetrations During MODE 6 (TSTF-312)	
	PASS Elimination (TSTF-366)	PASS Elimination (TSTF-366)	PASS Elimination (TSTF-366)	PASS Elimination (TSTF-366)	PASS Elimination (TSTF-366)	Noticed in FR on 8/11/00 for processing per CLIIP
	Risk Informed ISI	Risk Informed ISI	Risk Informed ISI	Risk Informed ISI	Risk Informed ISI	
	Relaxation of RPS/ESF Completion Times based on WCAP 14333	Relaxation of RPS/ESF Completion Times based on WCAP 14333	Relaxation of RPS/ESF Completion Times based on WCAP 14333	Relaxation of RPS/ESF Completion Times based on WCAP 14333	Relaxation of RPS/ESF Completion Times based on WCAP 14333	WCAP approved by NRC. Vogtle is lead plant. WCAP will require revision and TSTF initiation before processing.
	Relocation of SG tube program requirements based on NEI 97-06	Relocation of SG tube program requirements based on NEI 97-06	Relocation of SG tube program requirements based on NEI 97-06	Relocation of SG tube program requirements based on NEI 97-06	Relocation of SG tube program requirements based on NEI 97-06	NEI Licensing Change Package under NRC review.
	Allow the containment equipment hatch open during fuel movement	Allow the containment equipment hatch open during fuel movement	Allow the containment equipment hatch open during fuel movement	Allow the containment equipment hatch open during fuel movement	Allow the containment equipment hatch open during fuel movement	
	Revise TS Bases Control Program based on changes 10 50.59 (TSTF-364)	Revise TS Bases Control Program based on changes 10 50.59 (TSTF-364)	Revise TS Bases Control Program based on changes 10 50.59 (TSTF-364)	Revise TS Bases Control Program based on changes 10 50.59 (TSTF-364)		
	Revise Low Power Calorimetric Surveillance (SR 3.3.1.2)	Revise Low Power Calorimetric Surveillance (SR 3.3.1.2)	Revise Low Power Calorimetric Surveillance (SR 3.3.1.2)			WOG-130. Waiting issuance of NUREG-1431, Rev. 2, to process TSTF.
	Approved	Eliminate Response Time Testing for SSPS, Process Instrumentation and aux relays (to be further pursued after Fall 2000 outage)	Eliminate Response Time Testing for SSPS, Process Instrumentation and aux relays	Eliminate Response Time Testing for SSPS, Process Instrumentation and aux relays	Eliminate Response Time Testing for SSPS, Process Instrumentation and aux relays	
	Expanded COLR (WCAP-14483)	Expanded COLR (WCAP-14483)	Approved	Expanded COLR (WCAP-14483)		TSTF-339, Rev. 2
	Rod Withdrawal in MODE 3, Extend Power Range High Flux-Low Applicability	Rod Withdrawal in MODE 3, Extend Power Range High Flux-Low Applicability			Rod Withdrawal in MODE 3, Extend Power Range High Flux-Low Applicability	Potentially a WOG project.
	Slave Relay 18-month Testing - increase surveillance testing interval (WCAP-13878 and 13900)	Wolf Creek was not a member of the subgroup. (WC may want to do - need cost justification)	Slave Relay 18-month Testing - increase surveillance testing interval (WCAP-13878 and 13900)	Approved		
	Approved	Approved	PTLR approval	PTLR approval		
Approved	Approved	Increase Accumulator Completion Time from 1 hour to 24 hours when accumulator inoperable for reasons other than boron not within limits.		Increase Accumulator Completion Time from 1 hour to 24 hours when accumulator inoperable for reasons other than boron not within limits.	WOG traveler initiated. Waiting issuance of NUREG-1431, Rev. 2, to process TSTF.	

(1) This table has been revised since the submittal of responses to RIS 2000-04 and reflects a more current status of anticipated licensing actions.

# Risk Informed (RI) - InService Inspection (ISI) Project

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- Project Initiation
- Project Scope
- Benefits
- Schedule
- Submittal Philosophy

## RI ISI - Project Initiation

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- Vendor Presentations
- Methodology Selection
- Bid Specification
- Vendor Selection

## RI ISI - Project Scope

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- ASME Code Class 1 & 2 Pipe Welds (Code Case N578)
  - Category B-J, B-F, C-F-1, C-F-2
- Selected EPRI Methodology
- Vendor Participation
  - Structural Integrity Associates
    - Duke Engineering Services, Inc.
    - Inservice Engineering, Inc.
  - Training
  - Technology Transfer
  - Risk Impact Assessment
  - Development of Technical Submittal Template

# RI ISI - Project Scope

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- Utility Participation
  - Degradation Assessment
  - Consequence Evaluation
  - Service History Review
  - Element Selection
  - Submittal

# RI ISI - Benefits

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## → Utility

- Improved Product
- Cost Savings for RI-ISI Program Development
- Cost Savings for Piping Inspections
- Reduced Radiation Exposure
- Reduced Support Requirements
- Fewer Relief Requests
- Reduced NRC Review Costs
- Consistent Approach
- Technology Transfer
- Enhanced Professional Relationships
- Experience Sharing

## RI ISI - Benefits

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### → NRC

- Same Methodology and Format for 8 units
- Common Submittal for Review
- Improve NRC Review Efficiency
- Fewer Relief Requests

## RI ISI - Schedule

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- Vendor Selection 2/25/00 (complete)
- Kick-off Meeting 3/22/00 (complete)
- War Room Effort 6/5 - 6/23/00 (complete)
- Element Selection Meetings 8/21- 8/25/00, 9/5- 9/6/00
- Risk Impact Assessment 9/30/00
- Template Preparation 10/26/00
- NRC Submittal Coordination Meeting 11/00
- Submittal to NRC 12/15/00
- NRC Approval Desired by 3/01 (Spring Outages)

# RI ISI - Submittal Philosophy

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- Parallel Submittals
  - Same Format
  - Same Content
  - Same Methodology
  - Differences explicitly identified
  - Submittals Referenced to Each Other
- Priority of Approvals Identified
- NRC Involvement/ITS Lessons Learned
  - Lead Project Manager
  - Single Technical Reviewer/Contractor
  - STARS Single Point of Contact - Technical & Licensing