

*Doing it right ...
Every step of the way.*
COOK NUCLEAR PLANT

American Electric Power

Meeting with

Nuclear Regulatory Commission

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**Restarting D. C. Cook
October 30, 2000**



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Agenda

■ **Introduction**

Bob Powers

■ **Unit 1 Restart Progress**

Mike Finissi

■ **Licensing Issues**

**Mike Finissi /
Ron Smith**

■ **Performance Assurance**

Tom Noonan

■ **Wrap-up**

Bob Powers

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Unit 1 Restart Progress

Mike Finissi

Unit 1 Restart Director

Slide 3
9/27/00

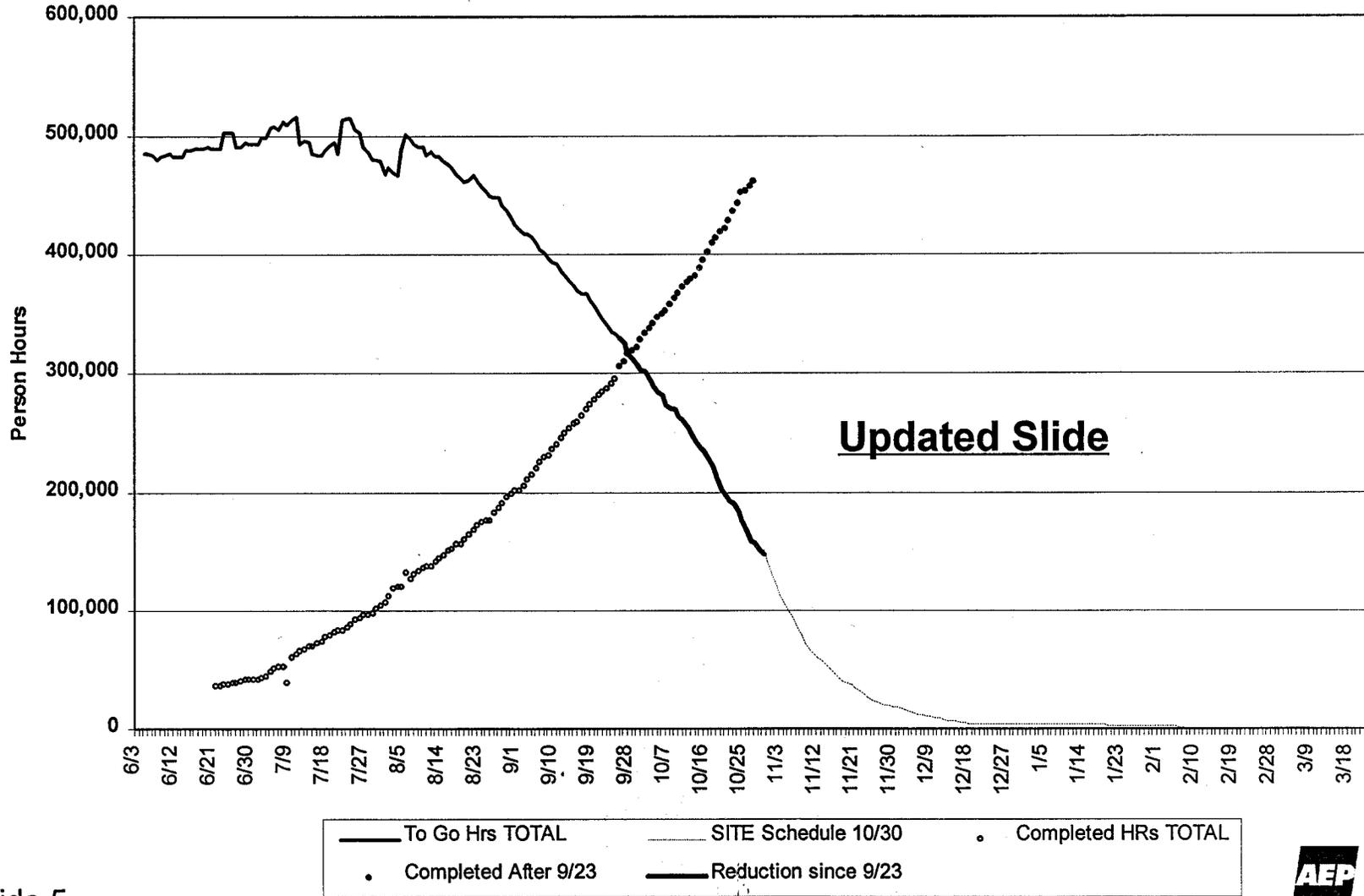
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Unit 1 Restart Progress - Outage Accomplishments

- **Steam Generator Replacement Project - Complete**
 - **First Train B Electrical Bus Outage - Complete**
 - **First Train A Electrical Bus Outage - Complete**
 - **Ice-condenser Chill-down - Complete**
 - **Second Train B Electrical Bus Outage - Complete**
-
- **Second Train A Electrical Bus Outage - Complete**
 - **Open Vessel Testing - Complete**
 - **Ice Loading Project - Complete**
 - **MOV Refurbishment - 107 of 112 Tested**
 - **Systems Turned Over to Operations - 22 of 78**

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Unit 1 Restart Progress - Work-Hour Schedule



Updated Slide

Slide 5
9/27/00



Unit 1 Restart Progress - Working Milestones

- Start Core Reload.....Mid-Nov.
- Enter Mode 5.....Late Nov.
- Enter Mode 4.....End of Nov.
- Enter Mode 2.....Early Dec.
- 100% Power.....Mid-Dec.

*On-Schedule For
Deliberate / Safe Restart*

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Unit 1 Restart Progress - License Requests

#	Subject	Unit(s)	Final Input to Licensing	LARB or LRT	PORC Meeting	NSDRC Meeting	NRC Submittal Date	Start Public Comment	NRC RAI	AEP Response to RAI	NRC Approval/Concurrence Required/Requested By
Issues for Which NRC Action is Required Prior to Restart of Unit 1											
1	Auxiliary feedwater automatic valve position surveillance change to address steam generator overflow following steam generator tube rupture.	1&2	Complete	Complete	Complete	Complete	10/18/00	10/25/00	10/25/00	11/1/00	11/29/00
2	Tomado Missile Licensing Bases Change - Use of approved PRA Techniques. TAC no. MA 9176/77	1&2	Complete	Complete	Complete	Complete	6/8/00	7/12/00	N/A		11/17/00
3	Pressurizer Heater Surveillance Change TS 4.4.2. TAC no. MA 9872/73	1&2	Complete	Complete	Complete	Complete	9/1/00	9/20/00	N/A	N/A	10/20/00
4	NRC Review of Leak Before Break Methodology for the Pressurizer Surge Line. TAC no. MA9812/13	1&2	Complete	N/A	N/A	N/A	8/22/00	N/A	10/12/00	10/26/00	11/17/00
5	ILRT TS Change and Exemption. TAC no. MA 9867/68 for LAR, MA 9869 for exemption.	1&2	Complete	Complete	Complete	Complete	9/1/00	9/20/00	10/19/00 (verbal)	10/27/00	11/17/00

Slide 7
9/27/00

Containment Structural Issues

■ The Issue:

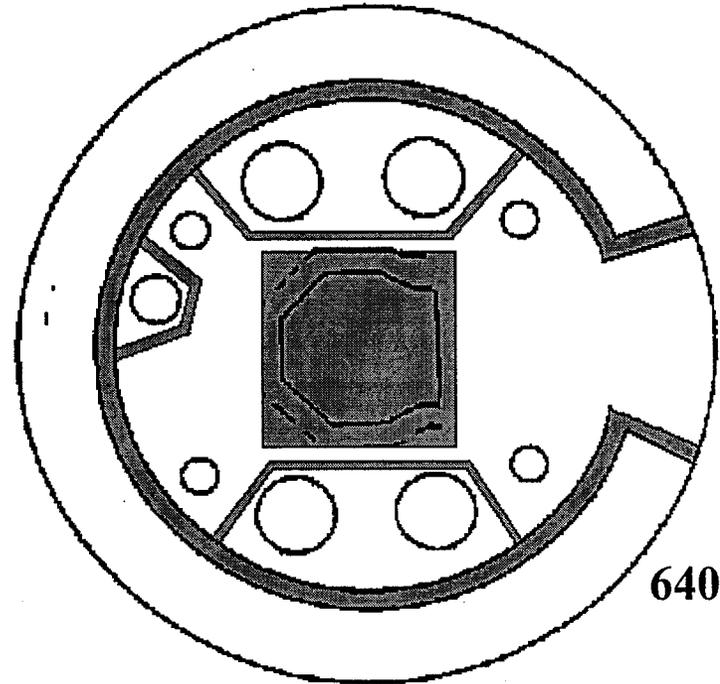
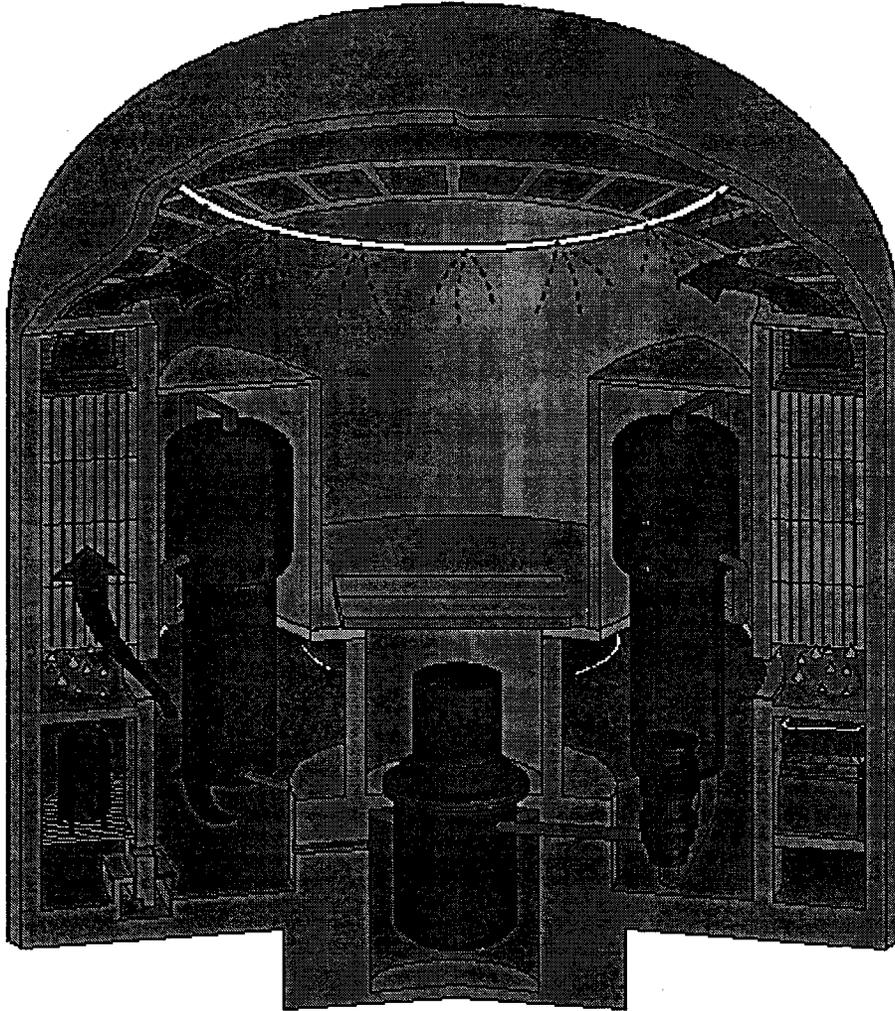
- *Some containment floors and walls did not meet the design pressure load factor of 1.5 as described in the licensing basis*

■ AEP Response:

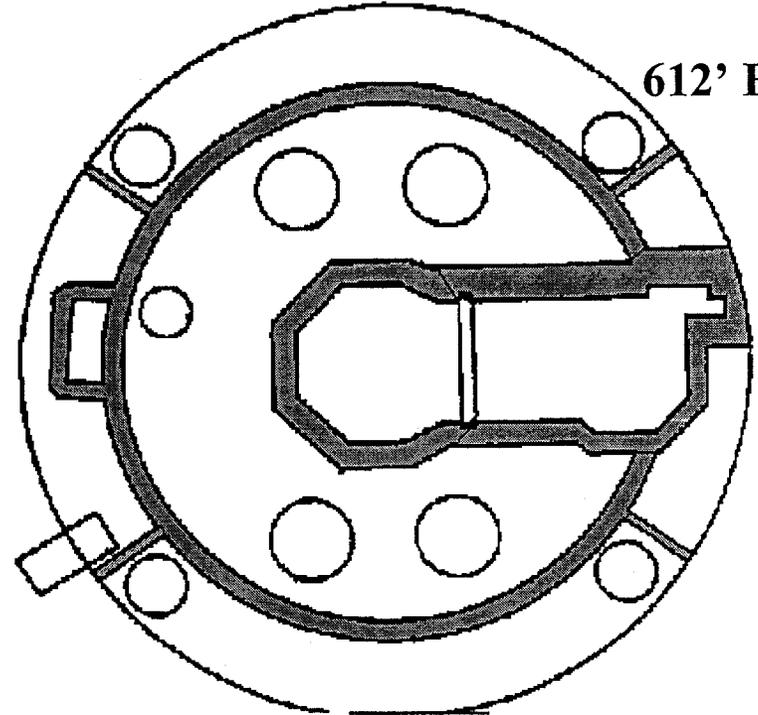
- Had several public meetings with NRC
- Performed Operability Determination Evaluations (ODEs)
- Developed & currently implementing corrective action plan
- Documented AEP commitments to NRC

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Unit 1 Containment



640' EI



612' EI

■ > 1.5 Pressure Load

■ 1.0 Pressure Load or Greater Plus Code Allowables

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Oversight

Tom Noonan

Director - Performance Assurance

Performance Assurance “What Are We Doing?”

■ Oversight of Unit 2 Operations

- Common Areas

■ Oversight of Unit 1 Restart

- Work Completion (e.g., Ice Condenser)
- Testing Activities (e.g., Open Vessel & ESW Flow Balance)
- Mode Ascension
- Organizational Readiness

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Performance Assurance “What Have We Found?”

Functional Area

■ Operations

- Human Performance: Attention-to-Detail
- Three-Way Communications, Management Oversight

■ Maintenance

- Declining Industrial Safety Performance
- Essential Service Water Pump
- Pre-Job Briefs, LCO Execution

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Performance Assurance “What Have We Found?”

■ Engineering

- Attention-to-Detail
- Responsiveness to Emerging Issues

Programmatic

- Safety Evaluations (50.59)
- Design Change Packages
- Root Cause Analysis

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Performance Assurance “Where Are We Going?”

■ Near-Term

- Continued Safe Operation of Unit 2
- Safe and Deliberate Restart of Unit 1

■ Long-Term

- Oversight of Transition From Restart to Dual Unit Operations

Intrusive, Timely, and Independent

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Wrap-up

Bob Powers Senior Vice President - Nuclear Generation Group

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Summary

- **Safety Continues as Our Number One Priority**
- **Unit 1 Restart On Schedule**
- **Licensing Issues Being Addressed**
- **Planning for a Controlled & Deliberate Restart of Unit 1**