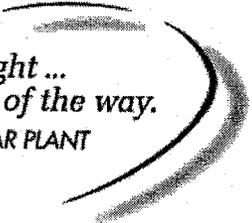


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The logo for the Cook Nuclear Plant, featuring a stylized, curved shape that resembles a partial circle or a swoosh, positioned to the right of the text.

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# American Electric Power

## Meeting with

# Nuclear Regulatory Commission

This presentation contains forward looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934. Although management believes that its expectations are based on reasonable assumptions, these statements may be influenced by factors that could cause actual outcome and results to be materially different from those projected.

**Restarting D. C. Cook**  
**September 27, 2000**

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# Agenda

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- |                           |              |
|---------------------------|--------------|
| ■ Introduction            | Bob Powers   |
| ■ Unit 2 Performance      | Joe Pollock  |
| ■ Unit 1 Restart Progress | Mike Finissi |
| ■ Common Areas            | Joe Pollock  |
| ■ Wrap-up                 | Bob Powers   |

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# **Unit 2 Performance**

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**Joe Pollock**

**Plant Manager**

Slide 3  
9/27/00

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# Unit 2 Performance - Operating Experience

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- Startup and Power Ascension
- First 100 Days of Operation

*Plant Responding As Expected -  
Limiting Operator Challenges*

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# Unit 2 Performance - Work Control

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- Unit 2 / Common Work Control
- Unit 2 Refueling Outage
- Unit 2 Forced Outage Schedule
- Unit 1 Recovery

*Supporting Unit 2 Operations  
While Controlling Unit 1 Recovery*

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# Unit 2 Performance - Organizational Performance

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- Safety Evaluations
- Corrective Action Program
- Engineering

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# Focusing on People - Creating Environment for Success

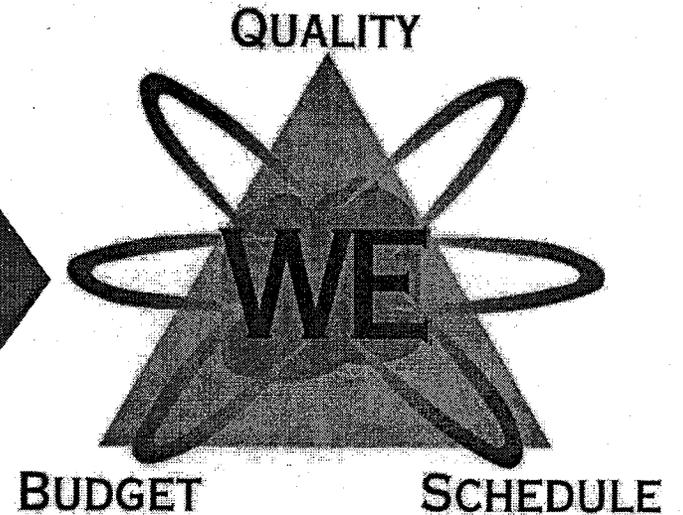
## Keys to Change



## Signs of Change

- High Schedule Adherence
- Complete Design Packages
- Operational Focus

## Desired State



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# Unit 1 Restart Progress

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**Mike Finissi**

**Unit 1 Restart Director**

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# Unit 1 Restart Progress

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- **Outage Accomplishments- to-Date**
- **Monitoring Outage Progress**
- **Mode Change Schedule**
- **Licensing Activities**

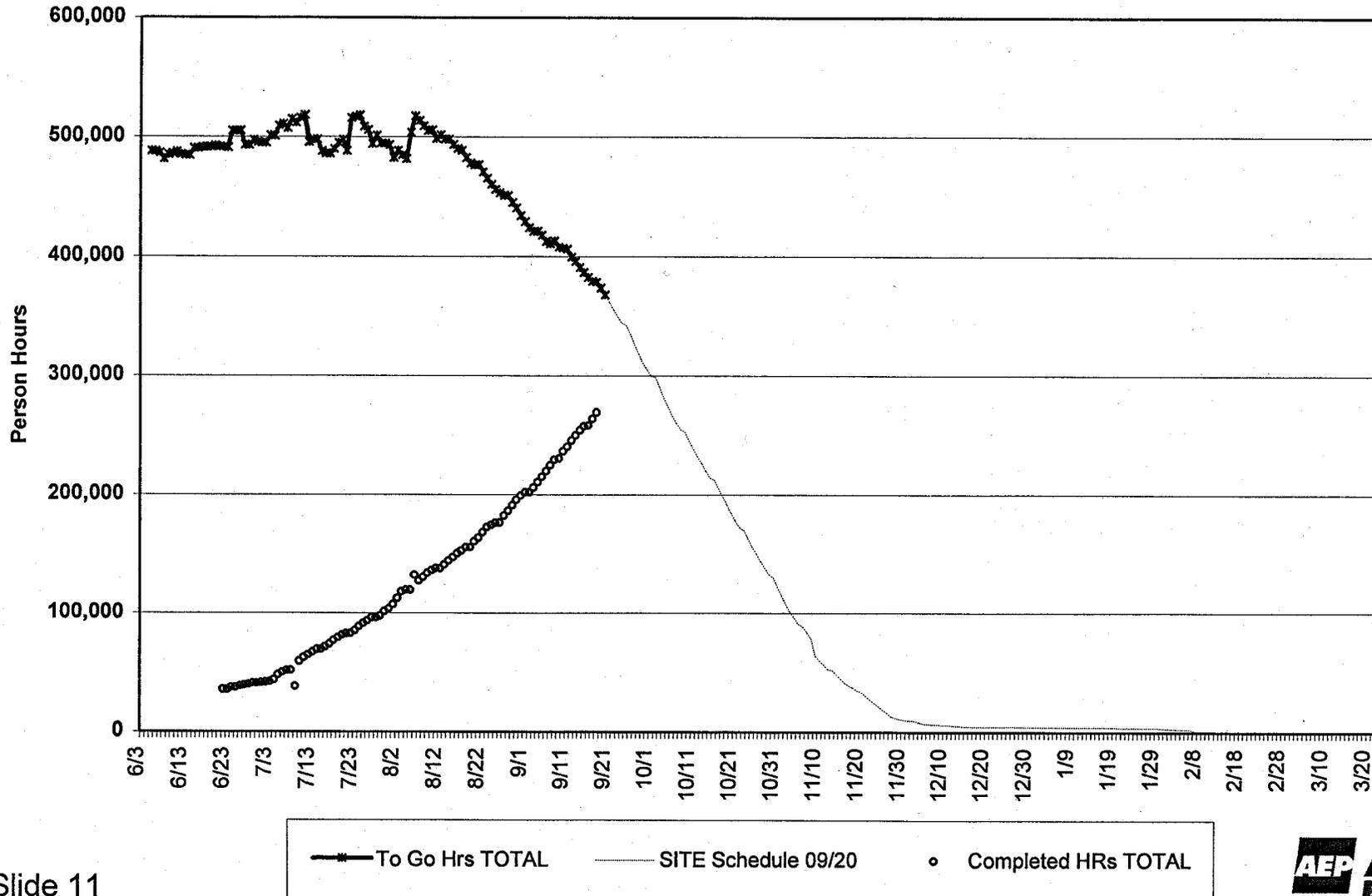
# **Unit 1 Restart Progress - Outage Accomplishments**

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- **Scope of Work Similar to Unit 2**
- **First Four Milestones Met On / Ahead of Schedule**
  - **First Train B Electrical Bus Outage - Complete**
  - **Train A Electrical Bus Outage - Complete**
  - **Ice-condenser Chill-down - Complete**
  - **Second Train B Electrical Bus outage - Complete**
- **Steam Generator Replacement Project - Complete**
- **Ice Loading Project - 40% Filled, 22% Weighed**
- **MOV Refurbishment - 65 of 112 Tested**

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# Unit 1 Restart Progress - Person-Hour Schedule



Slide 11  
9/27/00

# Unit 1 Restart Progress - Working Milestones

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- Open Vessel Testing..... Mid-Oct.
- 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.

# **Unit 1 Restart Progress - The Restart Action Matrix**

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- **Received Restart Action Matrix**
- **Provided Work Schedule and Progress**
- **Discussed Inspection Schedule**
- **Will Communicate Updates**

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# Unit 1 Restart Progress - License Amendment 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 Targetted
1	Tornado 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
2	Pressurizer Heater Surveillance Change 4.4.2. TAC no. MA 9872/73	TS 1&2	Complete	Complete	Complete	Complete	9/1/00	9/20/00			11/17/00
3	NRC Review of Leak Before Break Methodology for the Pressurizer Surge Line. TAC no. _____	1	Complete	N/A	N/A	N/A	8/22/00	N/A			11/17/00
4	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			11/17/00
5	QAPD Cad-Weld Commitment TAC no. MA 9849/50	1	Complete	Complete	Complete	N/A	8/14/00	N/A			10/13/00

Slide 14  
9/27/00

# Unit 1 Restart Progress - Other Issues

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	<u>Submittal</u>
■ High Energy Line Break - Licensing Basis Change	Complete
■ Reactor Coolant Pump Seal Leakoff Two Phase Flow	9/27/00
■ Methodology Changes to Tube Rupture Analysis	10/18/00
■ Ice Settling Time	TBD
■ Transient Mass Distribution Structural Calculations	TBD

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# ***Common Areas***

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**Joe Pollock**

**Plant Manager**

# Common Areas - Challenges

## ■ Two Unit Operations

<b>Title</b>	<b>Required /Currently on Shift 2 Unit -5 Shift</b>	<b>Additional Qualified</b>	<b>Current Training May 2001</b>	<b>Future Training</b>
<b>Shift Manager</b>	<b>5</b>	<b>8 Qualified 4 Active</b>	<b>15</b>	<b>13</b>
<b>Assist. Shift Manager</b>	<b>5</b>			
<b>Unit Supervisor</b>	<b>10</b>	<b>5 Qualified 1 Active</b>		
<b>Unit RO</b>	<b>20</b>	<b>14 Qualified 3 Active</b>	<b>7</b>	<b>8</b>

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# Common Areas - Challenges

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- **Attention to Detail**
- **Maintenance Rule Implementation**
- **Business Plan Implementation**

Keys to  
Change



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# Common Areas - Reactor Oversight Process

Cornerstone	Performance Indicator	Commitment		Status	
		Historical Data	Going Forward Data	Historical Data	Going Forward Data
Initiating Events	Unplanned Scrams	None	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
	Scrams with Loss of Normal Heat Removal	None	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
	Unplanned Power Changes	None	6 months after Restart	Submitted	Submitted 2Q00
Mitigating Systems	SSU - Emergency Power	None	6 months after Restart	None	Submitted 2Q00
	SSU - High Pressure Injection	None	6 months after Restart	None	Submitted 2Q00
	SSU - Auxiliary Feed Water	None	6 months after Restart	None	Submitted 2Q00
	SSU - Residual Heat Removal	None	6 months after Restart	None	Submitted 2Q00
	Safety System Functional failures	None	6 months after Restart	Submitted	Submitted 2Q00
Barrier Integrity	RCS Activity	None	1 <sup>st</sup> Q after Restart	None	Submitted 2Q00
	RCS Leakage	None	1 <sup>st</sup> Q after Restart	None	Submitted 2Q00
Emergency Preparedness	Drill / Exercise Performance	None	1 <sup>st</sup> Q after Restart	Partial	Submitted 2Q00
	ERO Drill Participation	Yes	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
	Alert and Notification System	Yes	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
Occupational Radiation Safety	Occupational Exposure Control Effectiveness	None	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
Public Radiation Safety	RETS / ODCM radiological Effluents	Yes	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
Safeguards	Protected Area Equipment Index	Yes	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
	Personnel Screening Program	Yes	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00
	FFD / Personnel Reliability Program	Yes	1 <sup>st</sup> Q after Restart	Submitted	Submitted 2Q00

Met Commitment

Exceeded Commitment

**Units 1 & 2 Fully Participating**

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# *Wrap-up*

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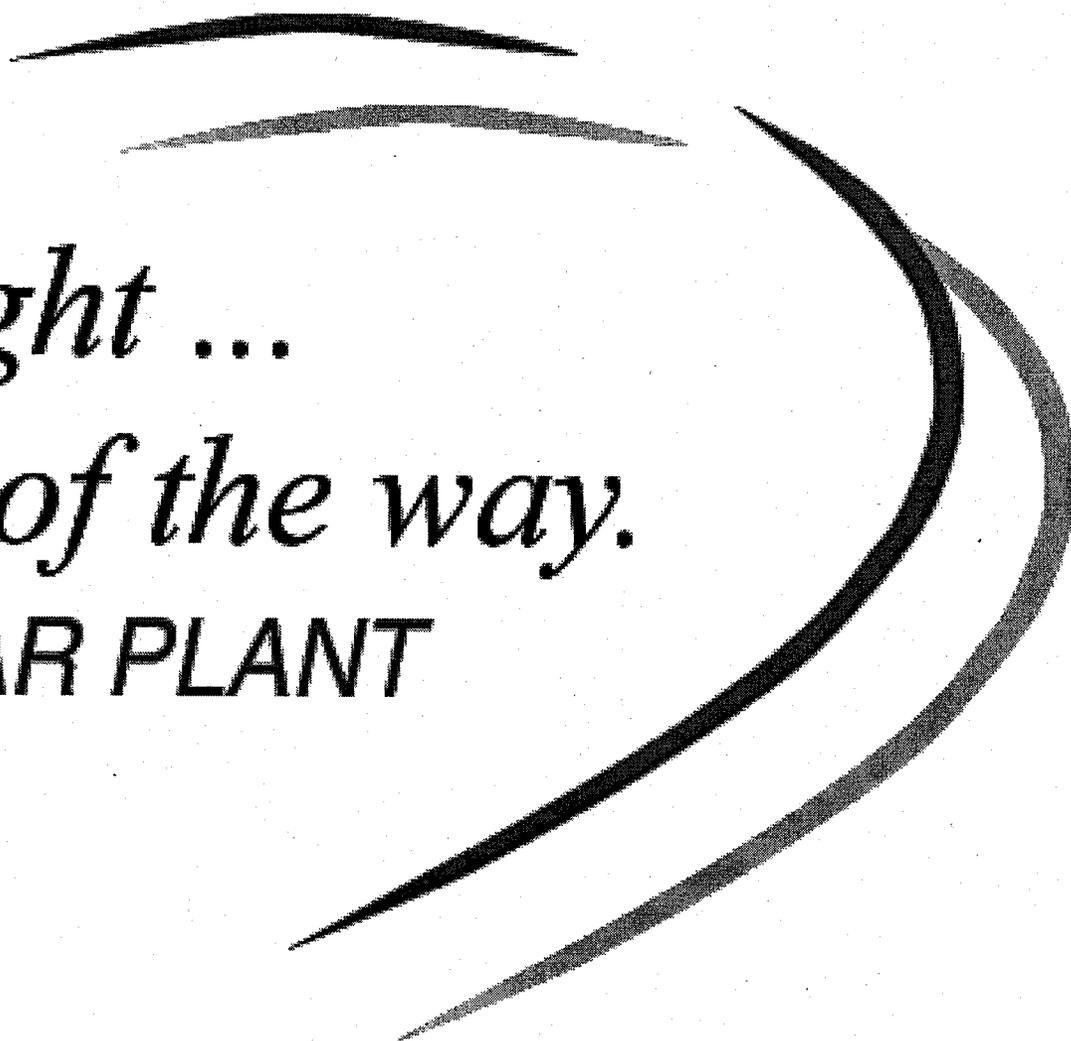
**Bob Powers**

**Sr. Vice President -  
Nuclear Generation Group**

# Wrap-up

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- **Unit 2 Successful Restart**
- **Principle Focus - Continued Safe Operation of Unit 2**
- **Gelling as a Team**
- **Controlled & Deliberate Outage / Restart of Unit 1**
- **Following Our Business Plan for Cook**



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*Every step of the way.*

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