

INDIAN POINT UNITS 2 & 3 ANNUAL ASSESSMENT MEETING

**APRIL 28, 2003
Crystal Bay on the Hudson, Charles Point Marina -
Peekskill, New York**



***U.S. NUCLEAR REGULATORY COMMISSION - Region I
KING OF PRUSSIA, PA***

AGENDA

- **INTRODUCTIONS**
- **BACKGROUND - STATION PERFORMANCE HISTORY**
- **2002 NRC INSPECTIONS AND OVERSIGHT**
- **2002 INDIAN POINT PERFORMANCE ASSESSMENT**
- **2003 OVERSIGHT AND PLANNED INSPECTIONS**
- **NRC SELF-IMPROVEMENT EFFORTS**
- **ENTERGY RESPONSE**
- **NRC - ENTERGY MEETING ADJOURN**
- **PUBLIC QUESTION AND ANSWER SESSION**

UNIT 2

PERFORMANCE HISTORY

- **NRC OVERSIGHT FOR PAST SEVERAL YEARS**
 - Heightened Attention and Special Inspections (1997-1999)
 - Agency Focus Plant (April 2000)

- **MULTIPLE DEGRADED CORNERSTONE COLUMN PLANT (Third Quarter 2000 through Third Quarter 2002)**
 - Design Control and Quality of Engineering
 - Human Performance
 - Equipment Reliability
 - Corrective Action

UNIT 2

PERFORMANCE HISTORY (CONT'D)

- **SINGLE DEGRADED CORNERSTONE COLUMN PLANT (Since Fourth Quarter 2002)**
 - **Licensed Operator Requalification Examination Failures - “Yellow” Finding (Opened Fourth Quarter 2001)**

- **SUBSTANTIVE CROSS-CUTTING ISSUES**
 - **Human Performance**
 - **Corrective Actions**

UNIT 3

PERFORMANCE HISTORY

- **LICENSEE RESPONSE COLUMN**
(Since Initiation of Revised Reactor Oversight Process in April 2000)

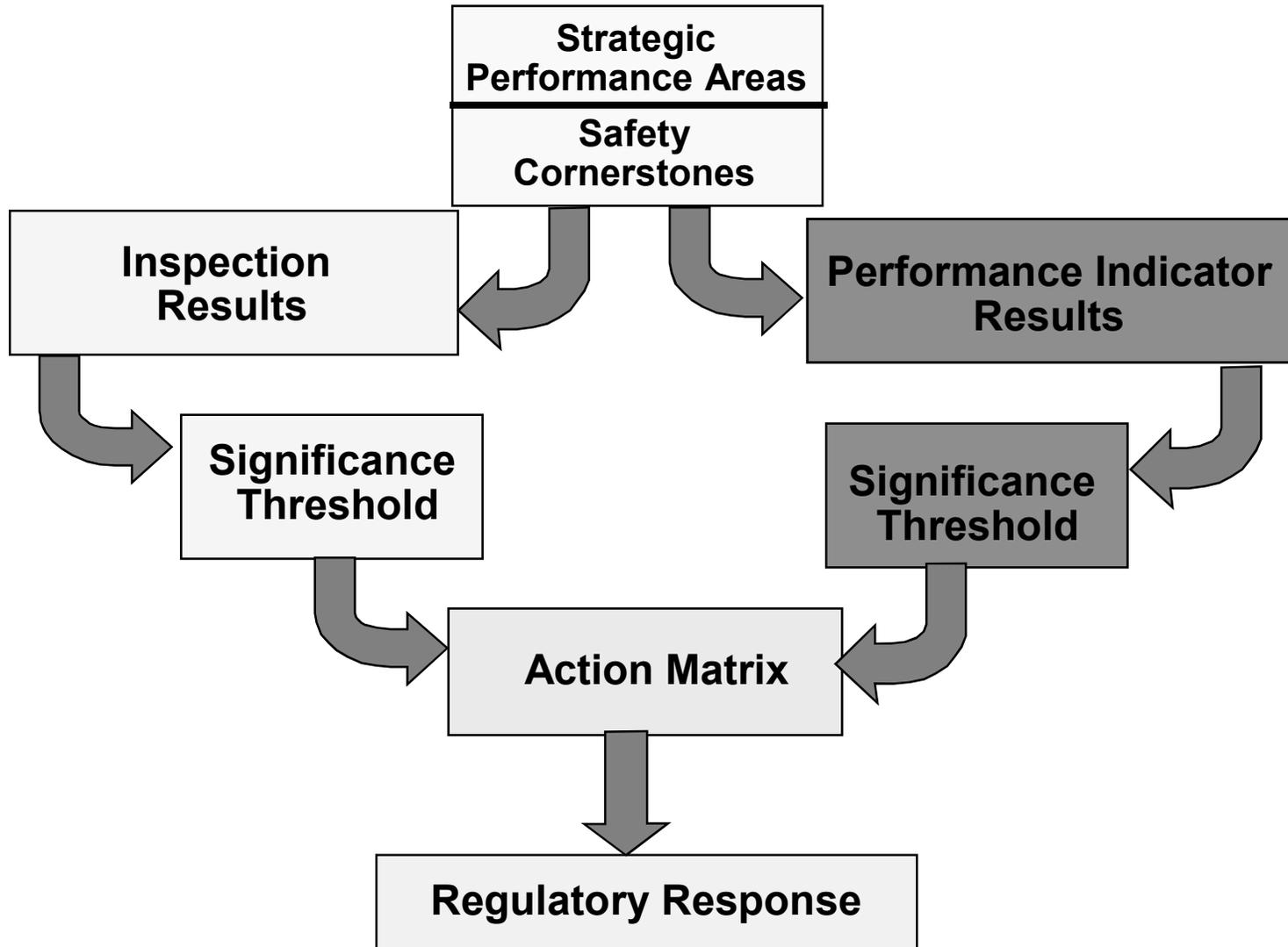
CONSOLIDATION OF UNITS

- **NOV 2000 IP-3 OWNERSHIP TRANSFER**

- **SEPT 2001 IP-2 OWNERSHIP TRANSFER**

- **MANAGEMENT INTEGRATION**
 - **SINGLE PLANT MANAGER**
 - **OPERATIONS**
 - **MAINTENANCE**
 - **ENGINEERING**
 - **SECURITY**
 - **EMERGENCY PREPAREDNESS**

REACTOR OVERSIGHT PROCESS



2002 NRC INSPECTIONS AND OVERSIGHT

- **RESIDENT AND REGION BASED SPECIALIST INSPECTIONS**
 - **BASELINE INSPECTIONS - UNITS 2 AND 3**
 - Emergency Response Exercise (September 2002)
 - Operator Requalification Exams (September 2002)
 - **SUPPLEMENTAL INSPECTIONS -UNIT 2**
 - Operator Requalification Inspection (April 2002)
 - Problem Identification and Resolution Inspection (July & December 2002)

- **NRC HEADQUARTERS LICENSING REVIEWS**

- **NRC MANAGEMENT SITE VISITS AND PERFORMANCE MONITORING MEETINGS**

2002 INDIAN POINT PERFORMANCE ASSESSMENT

- **PERFORMANCE CONTINUES TO IMPROVE – EFFORTS STILL NEEDED TO STRENGTHEN PROGRAMS**

- **FINDINGS AND PERFORMANCE INDICATORS**
 - **Unit 2 and 3: Performance Indicators All “Green”**

 - **Unit 2: “White” Finding for Design Control (Control Room Fire Barrier) -All Other Findings “Green”**

 - **Unit: 3 All Findings “Green”**

2002 INDIAN POINT PERFORMANCE ASSESSMENT (CONT'D)

■ IMPROVED AREAS

- Management Focus on Priority Work and Accountability**
- Progress in Correcting Important Equipment Problems (e.g., Control Room Deficiencies)**
- Fundamentals Improvement Program Performance Indicators**
- Operator Performance**
- Security Upgrades**

2002 INDIAN POINT PERFORMANCE ASSESSMENT (CONT'D)

- **ISSUES ASSOCIATED WITH STEAM GENERATOR TUBE FAILURE**
 - ▶ **Issues Substantially Addressed -“Red” Finding Closed (August 2002)**

- **LICENSED OPERATOR TRAINING**
 - ▶ **Significant Management Attention**
 - ▶ **Positive Operator Requalification Exam Results**
 - ▶ **“Yellow” Finding Open Pending Initial License Examination and NRC Inspection Results**

2002 INDIAN POINT PERFORMANCE ASSESSMENT (CONT'D)

■ HUMAN PERFORMANCE

- ▶ **Better Performance Overall -Evidenced By:**
 - Response to Events
 - Plant Startup and Shutdown Evolutions

- ▶ **Some Problems Occurred:**
 - Licensed Operator Technical Specifications Familiarity and Operability Issues
 - Non-Licensed Operator Plant Configuration Control

- ▶ **Continued Efforts Needed - Cross-Cutting Issue Remains Open**

2002 INDIAN POINT PERFORMANCE ASSESSMENT (CONT'D)

■ CORRECTIVE ACTION PROGRAM

- ▶ Low Threshold for Problem Identification, Effective Prioritization of Issues, Improved Timeliness in Problem Report Evaluations**
- ▶ Weak Corrective Actions in Certain Instances (e.g., Control Room Firewall)**
- ▶ Corrective Maintenance Backlogs Reduced; However, Total Corrective Action and Maintenance Backlogs Remain High**
- ▶ Improved Work Management Tools and Increased Management Attention -Improved Use of These Tools Important to Reducing Backlogs**
- ▶ Continued Efforts Needed - Cross-Cutting Issue Remains Open**

2002 INDIAN POINT PERFORMANCE ASSESSMENT (CONT'D)

▪ DESIGN CONTROL

- ▶ Significant Resources Continue to be Devoted to Design Basis Information Upgrades
- ▶ Some Implementation Issues (e.g., “Calculation Roadmaps”)
- ▶ Effective Implementation of Design Basis Initiative Program Important

2002 INDIAN POINT PERFORMANCE ASSESSMENT (CONT'D)

■ SECURITY PROGRAM

- ▶ **Strong Overall**
 - Heavily Defended Facility
 - Substantial Security Upgrades Completed
 - Site Meets NRC Regulations, Orders and “Threat Advisories”
- ▶ **Some Performance Issues (e.g., Security Officer Inattentiveness and Weapons Handling)**
- ▶ **Security Officer Concerns**

2002 INDIAN POINT PERFORMANCE ASSESSMENT (CONT'D)

■ EMERGENCY PREPAREDNESS

- ▶ Effective Licensee Performance
- ▶ Issues at Joint News Center
- ▶ Offsite Issues Being Addressed Through FEMA Process

2003 OVERSIGHT AND INSPECTION

- **CONTINUED HEIGHTENED LEVEL OF NRC OVERSIGHT THROUGH THE END OF 2003**
 - ▶ **Periodic Management Site Visits and Meetings to Review Progress**
 - ▶ **Continued Focus on Security**
 - ▶ **Continued Close Coordination and Support of FEMA, State, and Counties to Address Offsite Emergency Planning and Preparedness Issues**

- **CONTINUED OPENNESS TO PUBLIC**
 - ▶ **Outreach Activities**
 - ▶ **Public Meetings**

2003 OVERSIGHT AND INSPECTIONS

- **BASELINE INSPECTIONS - Units 2 and 3**

- **SECURITY INSPECTIONS**
 - **Special Inspections to Review Concerns (Jan/Feb 2003)**
 - **Inspection to Verify Implementation of Interim Compensatory Measures (Jan 2003)**
 - **Additional Inspections As Needed For New Requirements**

- **LICENSED OPERATOR TRAINING**
 - **Initial License Examinations (March 2003)**
 - **Training Inspection (March/April 2003)**

- **PROBLEM IDENTIFICATION AND RESOLUTION**
 - **Supplemental Inspection (Nov 2003)**
 - **Expanded PI&R Samples**

NRC SELF-IMPROVEMENT EFFORTS

- **Significance Determination Process Task Group**
- **Performance Indicator Program**
- **Davis-Besse Lessons Learned Task Force**
- **Security Enhancements**

NRC RESPONSE TO 9/11

- **HIGH LEVEL OF SECURITY ESTABLISHED AND MAINTAINED**

- **THREAT ADVISORIES AND ORDERS ISSUED TO NUCLEAR POWER PLANTS**
 - Increased Patrols, Barriers, and Posts
 - Augmented Security Capabilities
 - Enhanced Coordination with Law Enforcement and State Assets
 - Limited Site Access
 - Enhanced Security Awareness

- **THREAT ADVISORY AND PROTECTIVE MEASURE SYSTEM**

- **ONGOING COMPREHENSIVE REVIEW OF SECURITY AND VULNERABILITY STUDIES**

NRC SECURITY PROGRAM UPDATE

- **FORCE-ON-FORCE EXERCISES -RESUMED
FEBRUARY 2003**
- **FATIGUE ORDER - PENDING**
- **TRAINING ORDER - PENDING**
- **DESIGN BASIS THREAT - REVISION PENDING**

QUESTIONS & ANSWERS

- **PROVIDE ADDITIONAL COMMENTS ON “NRC PUBLIC MEETING FEEDBACK” FORM**

- **ADDITIONAL INFORMATION ON THE TOPICS DISCUSSED CAN BE FOUND AT: *www.nrc.gov***

- **REACTOR OVERSIGHT PROCESS**

<http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>

- **PUBLIC ELECTRONIC READING ROOM**

<http://www.nrc.gov/reading-rm/adams.html>

- **PUBLIC DOCUMENT ROOM**

800-397-4209 (TOLL FREE)