

# **NRC/CON EDISON ENGINEERING MANAGEMENT MEETING**

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**OCTOBER 25, 2000**



# AGENDA

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- INTRODUCTION
- NRC OVERVIEW
- CON ED PRESENTATION
- SUMMARY

# ASSESSMENTS

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- 11/96 NRC INTEGRATED ASSESSMENT (IPAP)
- 3/97 SALP REPORT
- 1/98 PERFORMANCE REVIEW LETTER
- 5/98 CON ED INDEPENDENT SAFETY ASSESSMENT (ISA)
- 6/98 NRC EVALUATION TEAM (NET)
- 4/99 NRC PLANT PERFORMANCE REVIEW (PPR)
- 9/99, 3/00 NRC AUGMENTED INSPECTION TEAMS
- 3/00 NRC PPR
- 5/00 NRC SENIOR MANAGEMENT MEETING - AGENCY FOCUS DESIGNATION
- 7/00 CON ED ENGINEERING SELF-ASSESSMENT
- 7/00, 8/00 NRC EMERGENCY PREPAREDNESS AND STEAM GENERATOR INSPECTION REPORTS
- 10/00 NRC ASSESSMENT FOLLOW UP LETTER (MULTIPLE DEGRADED CORNERSTONES)

# **SENIOR MANAGEMENT RESULTS LETTER**

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- **COMMUNICATION/ COORDINATION AMONG SITE ORGANIZATIONS**
- **ENGINEERING SUPPORT/ RESOLUTION OF PLANT PROBLEMS**
- **CONFIGURATION MANAGEMENT/ CONTROL**
- **EQUIPMENT RELIABILITY/ CORRECTIVE ACTION BACKLOGS**
- **OPERATOR KNOWLEDGE/ STATION TRAINING/ PROCEDURES**
- **EMERGENCY PREPAREDNESS**
- **BROAD PERFORMANCE ISSUES/DEFICIENCIES IN CORRECTIVE ACTION PROGRAM EFFORTS**
- **PAST UTILITY IMPROVEMENT INITIATIVES/LIMITED EFFECTIVENESS**

# **POST - SMM RESULTS MEETING & ASSESSMENT FOLLOW-UP LETTER**

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- **MEETING CALLED FOR IN MAY 2000 SENIOR MANAGEMENT LETTER**
- **MEETING SUMMARIZED RECENT PLANT PERFORMANCE**
  - ▶ **PERFORMANCE INDICATORS & INSPECTION FINDINGS**
- **LETTER PROVIDES NEAR TERM PLANS FOR NRC MONITORING OF PERFORMANCE IMPROVEMENT EFFORTS**
- **LETTER PATTERNED AFTER “MULTIPLE DEGRADED CORNERSTONE LETTER” FROM MC 0305**
- **LETTER HIGHLIGHTS:**
  - ▶ **95003 INSPECTION**
  - ▶ **PERIODIC MANAGEMENT MEETINGS & SITE VISITS**

# **DISCUSSION TOPICS**

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- **ENGINEERING SELF - ASSESSMENT**
- **AUXILLARY FEEDWATER SYSTEM FUNCTIONAL ASSESSMENT**
- **RECENT ENGINEERING ISSUES**

# 95003 INSPECTION

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## KEY ATTRIBUTES

- FOR MULTIPLE DEGRADED CORNERSTONES
- “MORE DIAGNOSTIC THAN INDICATIVE”
- STRESSES “INDEPENDENT” ASSESSMENT BY NRC
- REQUIRES SAMPLING FOR ALL KEY AREAS OF AFFECTED STRATEGIC PERFORMANCE AREAS
- INCORPORATES VERTICAL SLICE OF SELECTED SYSTEM(S)
- “NOT INTENDED TO DUPLICATE...HOWEVER, SOME REPETITION MAY BE NECESSARY”
- “AIDS NRC IN DECIDING WHETHER ADDITIONAL ACTIONS ARE NECESSARY”

# STRATEGIC PERFORMANCE AREA

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## 95003 INSPECTION PROCEDURE ELEMENTS

- REACTOR SAFETY
  - ▶ DESIGN
  - ▶ CONFIGURATION CONTROL
  - ▶ EQUIPMENT PERFORMANCE
  - ▶ PI&R
  - ▶ PROCEDURE QUALITY
  - ▶ HUMAN PERFORMANCE
  - ▶ EMERGENCY PREPAREDNESS
  
- RADIATION SAFETY
  - ▶ *NOT APPLICABLE*
  
- PHYSICAL PROTECTION
  - ▶ *NOT APPLICABLE*

# 95003 STAFFING

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- APPROXIMATE SCOPE 12 INSPECTORS FOR 3 WEEKS
- LED BY BRANCH CHIEF
- SUBSUMES AN NRC SSDI SCHEDULED FOR JANUARY
- PROVIDES A LEVEL OF INDEPENDENCE
  - SUPPORT FROM HQs AND FROM OTHER REGIONS
  - SYSTEM DESIGN AND CORRECTIVE ACTION CONTRACTORS PROVIDED

INDIAN POINT 2 (October 2000 Evaluation)  
**SUMMARY, by Quarter, of INPUTS TO NRC ACTION MATRIX**

Cornerstone	CY 1999		CY 2000				CY 2001	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
IE				PI4 White	IF3 <sup>1</sup> Yellow or Red	IF3 Yellow or Red	IF3 Yellow or Red	IF3 Yellow or Red
MS	IF1 <sup>2</sup> Yellow	IF1 Yellow	IF1 Yellow PI2 <sup>4</sup> White	IF1 Yellow PI5 White	→	→ <sup>3</sup>		
BI			PI3 <sup>4</sup> Yellow					
EP	IF2 White	PI1 <sup>5</sup> White IF2 White	IF2 White	IF2 White IF4 White IF5 White IF6 White	IF4 White IF5 White IF6 White	IF4 White IF5 White IF6 White	IF4 White IF5 White IF6 White	
Matrix Column	N/A	N/A	N/A	Multiple Degraded	Multiple Degraded	Multiple Degraded	Multiple Degraded	Single Degraded

<sup>1</sup>Classification based on event effects on CDF and LERF. NRC has preliminarily concluded that the tube failure was caused by a licensee performance issue. Final determination is pending supplemental information to be provided to address questions from the 9/26 Regulatory Conference.

<sup>2</sup>Published in the RROP "Feasibility Review," Attachment 7 to Sec'y 00-0049. The review of this event preceded the initiation of the Revised Reactor Oversight Program (RROP). While the August 1999 event pre-dates the initial implementation of the ROP, useful risk insights can be derived from considering the results of the SDP for that event.

<sup>3</sup>In accordance with Manual Chapter 0305, this inspection finding will not be removed from consideration of future agency actions until the identified weaknesses have been corrected.

<sup>4</sup>As posted on the NRC's external web page for the first quarter of 2000.

<sup>5</sup>If a finding and PI turn color because of the same underlying issue, only one will be counted because of double jeopardy considerations.

## NRC Action Matrix

	Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/ Repetitive Degraded Cornerstone Column	Unacceptable Performance Column	
<b>RESULTS</b>	All Assessment Inputs (Performance Indicators (PIs) and Inspection Findings) Green, Cornerstone Objectives Fully Met	One or Two White Inputs (in different cornerstones) in a Strategic Performance Area, Cornerstone Objectives Fully Met	One Degraded Cornerstone (2 White Inputs or 1 Yellow Input) or any 3 White Inputs in a Strategic Performance Area, Cornerstone Objectives Met with Minimal Reduction in Safety Margin	Repetitive Degraded Cornerstone, Multiple Degraded Cornerstones, Multiple Yellow Inputs, or 1 Red Input, Cornerstone Objectives Met with Longstanding Issues or Significant Reduction in Safety Margin	Overall Unacceptable Performance, Plants Not Permitted to Operate Within this Band, Unacceptable Margin to Safety	
<b>RESPONSE</b>	Regulatory Performance Meeting	None	Branch Chief (BC) or Division Director (DD) Meet with Licensee	DD or Regional Administrator (RA) Meet with Licensee	RA (or EDO) Meet with Senior Licensee Management	Commission meeting with Senior Licensee Management
	Licensee Action	Licensee Corrective Action	Licensee Corrective Action with NRC Oversight	Licensee Self Assessment with NRC Oversight	Licensee Performance Improvement Plan with NRC Oversight	
	NRC Inspection	Risk-Informed Baseline Inspection Program	Baseline and supplemental inspection procedure 95001	Baseline and supplemental inspection procedure 95002	Baseline and supplemental inspection procedure 95003	
	Regulatory Actions	None	Supplemental inspection only	Supplemental inspection only	-10 CFR 2.204 DFI -10 CFR 50.54(f) Letter - CAL/Order	Order to Modify, Suspend, or Revoke Licensed Activities
<b>COMMUNICATION</b>	Assessment Reports	BC or DD review/sign assessment report (w/ inspection plan)	DD review/sign assessment report (w/ inspection plan)	RA review/sign assessment report (w/ inspection plan)	RA review/sign assessment report (w/ inspection plan)	
	Annual Public Meeting	SRI or BC Meet with Licensee	BC or DD Meet with Licensee	RA (or designee) Discuss Performance with Licensee	EDO (or Commission) Discuss Performance with Senior Licensee Management	Commission Meeting with Senior Licensee Management
	INCREASING SAFETY SIGNIFICANCE ----->					

1. It is expected in a few limited situations that an inspection finding of this significance will be identified that is not indicative of overall licensee performance. The staff will consider treating these inspection findings as exceptions for the purpose of determining appropriate actions.