

ATTACHMENT 1
NOVEMBER 16, 2000 PUBLIC MEETING PRESENTATION MATERIAL

NRC PUBLIC MEETING INDIAN POINT 2 STATUS

NOVEMBER 16, 2000
CORTLANDT TOWN HALL

AGENDA

- **PURPOSE**
- **BACKGROUND**
- **RECENT NRC INSPECTION RESULTS**
- **ONGOING/FUTURE ACTIVITIES**
- **QUESTIONS & ANSWERS**

PURPOSE

- **PROVIDE RESULTS OF RECENT NRC INSPECTIONS**
- **PROVIDE STATUS OF NRC'S ON-GOING ACTIVITIES RELATED TO IP2**
- **QUESTIONS & ANSWERS**

BACKGROUND

MAY - NOVEMBER 2000

- 5/00 NRC SENIOR MANAGEMENT MEETING - AGENCY FOCUS DESIGNATION
- 7/00, 8/00 NRC EMERGENCY PREPAREDNESS AND STEAM GENERATOR INSPECTION REPORTS
- 9/00 AGENCY FOCUS MEETING - ONSITE
REGULATORY CONFERENCE ON SG FINDING - RI
- 10/00 NRC ASSESSMENT FOLLOW UP LETTER (MULTIPLE DEGRADED CORNERSTONES)
REACTOR OVERSIGHT PROCESS MEETING -CORTLANDT TOWN HALL
MANAGEMENT MEETING WITH CON EDISON -ENGINEERING ISSUES -RI
- 11/00 PUBLIC MEETING - IP2 STATUS -CORTLANDT TOWN HALL

RECENT NRC INSPECTIONS

RESIDENT INSPECTION REPORT 05000247/2000-011

- **INSPECTION AREAS**
 - ▶ REACTOR SAFETY, RADIATION SAFETY, SAFEGUARDS
 - ▶ OTHER ACTIVITIES (PI VERIFICATION, CROSS CUTTING ISSUES, STEAM GENERATOR REPLACEMENT, PLANT MATERIAL CONDITION)

- **FINDINGS**
 - ▶ **3 “GREEN” FINDINGS**
 - FAILURE TO CONTROL TRANSIENT COMBUSTIBLES IN ACCORDANCE WITH STATION ADMINISTRATIVE PROCEDURES
 - INADEQUATE FIRE FIGHTING INSTRUCTIONS EXISTED TO ALIGN FIRE SUPPRESSION WATER TO THE CONTAINMENT
 - FAILURE TO IMPLEMENT MAINTENANCE PROCEDURES

RECENT NRC INSPECTIONS

PROBLEM IDENTIFICATION AND RESOLUTION

- **OVERVIEW**
 - ▶ **ROP PLACES CONTINUED EMPHASIS ON LICENSEE'S PI&R PROGRAM**
 - ▶ **PI&R AREA IS FACTORED INTO ALL INSPECTIONS CONDUCTED**
 - ▶ **A DISCRETE PI&R TEAM INSPECTION IS CONDUCTED PERIODICALLY**
 - ▶ **IP2 PI&R TEAM ON SITE FOR 2 WEEKS AND INCLUDED 6 TEAM MEMBERS**

PI&R INSPECTION RESULTS

- **PROBLEM IDENTIFICATION**
 - ▶ **IN GENERAL, PROBLEMS IDENTIFIED PROPERLY**
 - ▶ **PLANT TOURS IDENTIFIED SOME ISSUES**

- **PRIORITIZATION AND EVALUATION OF ISSUES**
 - ▶ **SEVERAL ISSUES NOT PROPERLY CHARACTERIZED/PRIORITIZED**
 - ▶ **BACKLOGS OF OPEN EVALUATIONS HAVE BEEN REDUCED - BUT STILL SIGNIFICANT**

- **REVIEW OF CON EDISON'S AUDITS AND SELF - ASSESSMENTS**
 - ▶ **THE TEAM'S FINDINGS WERE SIMILAR TO CON EDISON'S SELF - IDENTIFIED PROBLEMS**

PI&R INSPECTION RESULTS (CONT'D)

- **EFFECTIVENESS OF CORRECTIVE ACTIONS**
 - ▶ **THE PROCESS FOR ESCALATING OVERDUE CORRECTIVE ACTIONS TO HIGHER LEVELS OF MANAGEMENT WAS NOT CONSISTENTLY FOLLOWED**

- **ASSESSMENT OF SAFETY CONSCIOUS WORK ENVIRONMENT**
 - ▶ **NO EVIDENCE OF RELUCTANCE TO IDENTIFY PROBLEMS**

- **OVERALL**
 - ▶ **NO SIGNIFICANT ISSUES IDENTIFIED**
 - ▶ **SEVERAL FINDINGS OF VERY LOW SAFETY SIGNIFICANCE ("GREEN")**
 - ▶ **CON EDISON PROGRESS IN CERTAIN AREAS LIMITED -CONTINUED MANAGEMENT ATTENTION NEEDED**

RECENT NRC INSPECTIONS

OPERATOR REQUAL

■ FINDINGS

- ▶ **“OPERATING HISTORY” AND TRAINEE FEEDBACK ARE BEING FACTORED INTO TRAINING PROGRAM**

- ▶ **REQUAL EXAMINATION**
 - LOWER THAN NORMAL PASS RATE
 - FACILITY GRADED APPROPRIATELY
 - RECENT EXAMS OF HIGH QUALITY (INCREASED IN DIFFICULTY FROM 1998/1999)

- ▶ **CON EDISON’S SELF - ASSESSMENT NOTED REMEDIAL TRAINING HAS BEEN EFFECTIVE (WITH SOME EXCEPTIONS)**
 - WRITTEN REMEDIATION PROBLEMS (1998/1999 EXAMS)
 - SOME WEAKNESSES IN EOP KNOWLEDGE AND PROCEDURE USE

RECENT NRC INSPECTIONS

OPERATOR REQUAL (CONT'D)

- ▶ **NRC IDENTIFIED VIOLATION (VERY LOW SAFETY SIGNIFICANCE)**
 - 1998 AND 1999 OPERATING TESTS - SOME SRO MANAGERS NOT EXAMINED ON EMERGENCY PLAN TASKS

- ▶ **APPARENT VIOLATION**
 - 10 CFR 55.59 REQUIRES THE FACILITY TO MAINTAIN RECORDS OF REQUAL PARTICIPATION (CLASS ATTENDANCE; WEEKLY DOCUMENTATION)

- **OVERALL ASSESSMENT**
 - ▶ LICENSEE OPERATOR REQUAL PROGRAM IS ADEQUATE
 - ▶ SOME PROCESS INADEQUACIES EXIST (PROGRAM RECORDS)
 - ▶ CON EDISON IS SELF IDENTIFYING PROBLEMS

RECENT NRC INSPECTIONS

STEAM GENERATOR REPLACEMENT PROJECT

- **INSPECTION CONDUCTED BY RESIDENTS AND REGIONAL BASED SPECIALISTS**

- **INSPECTION AREAS**
 - ▶ **REPLACEMENT PROJECT OVERVIEW**
 - PREPARATION FOR ACTIVITIES
 - INVOLVEMENT OF QA OVERSIGHT
 - CONSTRUCTION OF ORIGINAL STEAM GENERATOR STORAGE BUILDING
 - ▶ **LIFTING AND RIGGING**
 - ▶ **HAUL ROUTE EVALUATION AND STEAM GENERATOR TRANSPORT**
 - ▶ **OBSERVATION OF WELDING IN PROGRESS**
 - ▶ **REVIEW OF RADIOGRAPHS OF RCS, MAIN STEAM, AND FEEDWATER WELDS**
 - ▶ **RADIOLOGICAL CONTROLS**
 - ▶ **NEW STEAM GENERATOR (TUBE INSPECTION)**

- **FINDINGS**
 - ▶ **NO SIGNIFICANT FINDINGS WERE IDENTIFIED**

ONGOING/FUTURE ACTIVITIES

- **SYSTEM READINESS REVIEWS**
 - ▶ CON EDISON COMMITMENT FROM OCTOBER 25 ENGINEERING MEETING
 - ▶ MIXED PERFORMANCE NOTED DURING NRC OVERSIGHT
 - ▶ SEVERAL SYSTEMS REPEATED
 - ▶ NO MAJOR OPERATIONAL ISSUES IDENTIFIED

- **SAFETY SYSTEM FUNCTIONAL ASSESSMENT - 125 V DC SYSTEM**
 - ▶ MORE IN-DEPTH ENGINEERING DESIGN BASIS REVIEW
 - ▶ CONTRACTOR SUPPORT; REVIEW NEARING COMPLETION
 - ▶ NO. 22 BATTERY PERFORMANCE

OFFICE OF INSPECTOR GENERAL (OIG) REPORT FINDINGS

- **THE OIG REPORT RAISED QUESTIONS ABOUT ADEQUACY OF NRC STAFF REVIEW/OVERSIGHT OF:**
 - ▶ 1997 SG INSPECTION DATA
 - ▶ 1999 REQUEST FOR EXTENSION OF SG INSPECTION INTERVAL

- **IT ALSO HIGHLIGHTED EMERGENCY PREPAREDNESS ISSUES**

- **NRC HAS CAREFULLY REVIEWED THE OIG REPORT**
 - ▶ STAFF AGREED WITH MANY OF THE FINDINGS
 - ▶ NRC RESPONDED TO SOME FINDINGS (FACTUAL CORRECTIONS AND /OR TO PROVIDE CONTEXT)

- **THE REPORT IS PUBLICLY AVAILABLE ON THE NRC WEB-SITE**

INDIAN POINT 2 STEAM GENERATOR TUBE FAILURE

LESSONS LEARNED TASK GROUP

- TASK GROUP CONSISTED OF STAFF FROM NRR, RES, AND REGION I
- PERFORMED AN EVALUATION OF THE STAFF'S TECHNICAL AND REGULATORY PROCESS RELATED TO ASSURING SG TUBE INTEGRITY IN ORDER TO IDENTIFY AND RECOMMEND AREAS FOR IMPROVEMENT
- REPORT PROVIDED A NUMBER OF TECHNICAL AND PROCESS RECOMMENDATIONS THAT APPLY TO THE INDUSTRY AND THE NRC
- ALSO, IDENTIFIED MANY OF THE ISSUES RAISED IN OIG REPORT
- THE REPORT IS PUBLICLY AVAILABLE ON THE NRC WEB-SITE

LESSONS LEARNED TASK GROUP

MAJOR AREAS OF RECOMMENDATION

■ INDUSTRY

- ▶ CON EDISON DEFICIENCIES IN ITS SG TUBE INTEGRITY PROGRAM
- ▶ EPRI GUIDELINES
- ▶ SG TECHNICAL SPECIFICATIONS
- ▶ NEI 97-06 INITIATIVE

■ NRC

- ▶ SG OVERSIGHT AND INSPECTION PROCESS
- ▶ LICENSING REVIEW PROCESS
- ▶ REVIEW OF NEI INITIATIVE AND ASSOCIATED EPRI GUIDANCE
- ▶ RISK COMMUNICATION TO THE PUBLIC

THE STAFF IS FINALIZING AN ACTION PLAN TO ADDRESS THESE RECOMMENDATIONS. THE ACTION PLAN WILL BE MADE AVAILABLE UPON COMPLETION

ONGOING/FUTURE ACTIVITIES (CONT'D)

- **STEAM GENERATOR REPLACEMENT INSPECTION**
 - ▶ **REVIEW A SAMPLE OF RADIOGRAPHS**
 - ▶ **REVIEW THE TESTING OR VERIFICATION OF ADEQUACY OF COMPONENT AND SYSTEM RESTORATION**
 - ▶ **CONFIRMATION THAT WORK PACKAGES ARE PROPERLY CLOSED**

- **FUTURE ACTIVITIES**
 - ▶ **RESTART COVERAGE**
 - **HEIGHTENED NRC COVERAGE**

 - ▶ **95003 SUPPLEMENTAL INSPECTION**
 - **13 INSPECTORS FOR 3 WEEKS**
 - **SUPPORT FROM HEADQUARTERS, OTHER REGIONS, AND CONTRACTORS**
 - **JANUARY - FEBRUARY, 2001**

QUESTIONS & ANSWERS

PLEASE FEEL FREE TO PROVIDE ADDITIONAL COMMENTS
THROUGH THE "NRC PUBLIC MEETING FEEDBACK" FORM