

**TRANSMITTAL OF MEETING HANDOUT MATERIALS FOR  
IMMEDIATE PLACEMENT IN THE PUBLIC DOMAIN**

*This form is to be filled out (typed or hand-printed) by the person who announced the meeting (i.e., the person who issued the meeting notice). The completed form, and the attached copy of meeting handout materials, will be sent to the Document Control Desk on the same day of the meeting; under no circumstances will this be done later than the working day after the meeting.*

**Do not include proprietary materials.**

DATE OF MEETING

11/16/2000

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)	<u>05000247</u>
Plant/Facility Name	<u>Indian Point 2</u>
TAC Number(s) (if available)	<u></u>
Reference Meeting Notice	<u>No. 00-58</u>
Purpose of Meeting (copy from meeting notice)	<u>NRC is meeting with the public for the following purposes:</u> <u>provide results of recent inspections and review of SG</u> <u>replacement work; and have a "Q &amp; A" session</u>

NAME OF PERSON WHO ISSUED MEETING NOTICE

Peter W. Eselgroth

TITLE

Chief

OFFICE

Region I

DIVISION

Division of Reactor Projects

BRANCH

Projects Branch 2

Distribution of this form and attachments:

Docket File/Central File

PUBLIC

# **NRC PUBLIC MEETING INDIAN POINT 2 STATUS**

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NOVEMBER 16, 2000  
CORTLANDT TOWN HALL

# **AGENDA**

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

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

# **BACKGROUND**

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## **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

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## 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**

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## **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

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- **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)**

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- **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

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## 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

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## 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

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## 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**

# **OFFICE OF INSPECTOR GENERAL (OIG) REPORT FINDINGS**

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- **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

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## 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

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## 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

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- **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

# **ONGOING/FUTURE ACTIVITIES (CONT'D)**

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- **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

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