

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

6/25/2000

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)

05000247

Plant/Facility Name

Indian Point 2

TAC Number(s) (if available)

Reference Meeting Notice

00-33

Purpose of Meeting
(copy from meeting notice)

1.) To provide a brief overview of the NRC's overall process for reviewing IP-2 plant performance; 2.) To discuss the current status of NRC's ongoing review of steam generator tube integrity issues; and 3.) To provide an informational forum to allow the public to ask questions associated with the above issues.

NAME OF PERSON WHO ISSUED MEETING NOTICE

Peter Eselgroth (610)337-5234

TITLE

Branch Chief

OFFICE

Region I

DIVISION

Division of Reactor Projects

BRANCH

Projects Branch 2

Distribution of this form and attachments:

Docket File/Central File

PUBLIC

INDIAN POINT UNIT 2 NRC PUBLIC MEETING

JUNE 25, 2000



AGENDA

- **INTRODUCTION**
- **CONGRESSIONAL REMARKS**
- **DESCRIPTION OF NRC REVIEW PROCESS AND STATUS**
- **PUBLIC QUESTIONS AND COMMENTS**
- **CLOSING**

ISSUES

- **STEAM GENERATOR INTEGRITY**

- ▶ **STARTUP ISSUE**
- ▶ **“10 CFR 2.206 PETITION”**

- **IP-2 PERFORMANCE**

- ▶ **LONGER TERM ISSUE**
- ▶ **“AGENCY FOCUS” PLANT**

NRC OVERSIGHT ACTIVITIES

- **INSPECTIONS**
 - ▶ **RESIDENT INSPECTORS**
 - ▶ **AUGMENTED INSPECTIONS -- AITs**

- **“AGENCY FOCUS” DESIGNATION**

- **PLANNED MEETING ON PERFORMANCE IMPROVEMENTS**
 - ▶ **WITHIN NEXT TWO MONTHS**

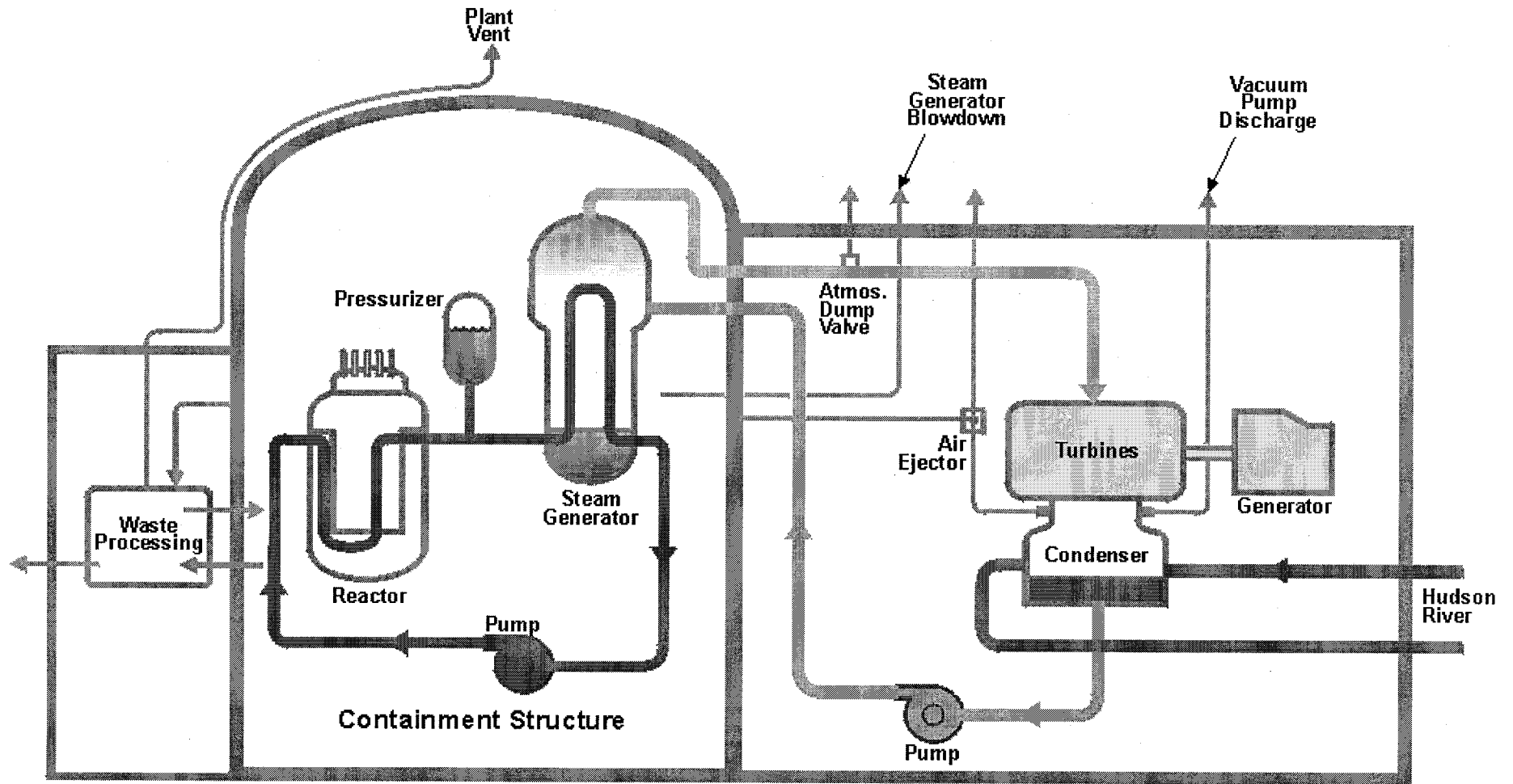
- **FOLLOW-UP, HEIGHTENED INSPECTION AND OVERSIGHT**

STEAM GENERATOR REVIEW PROCESS

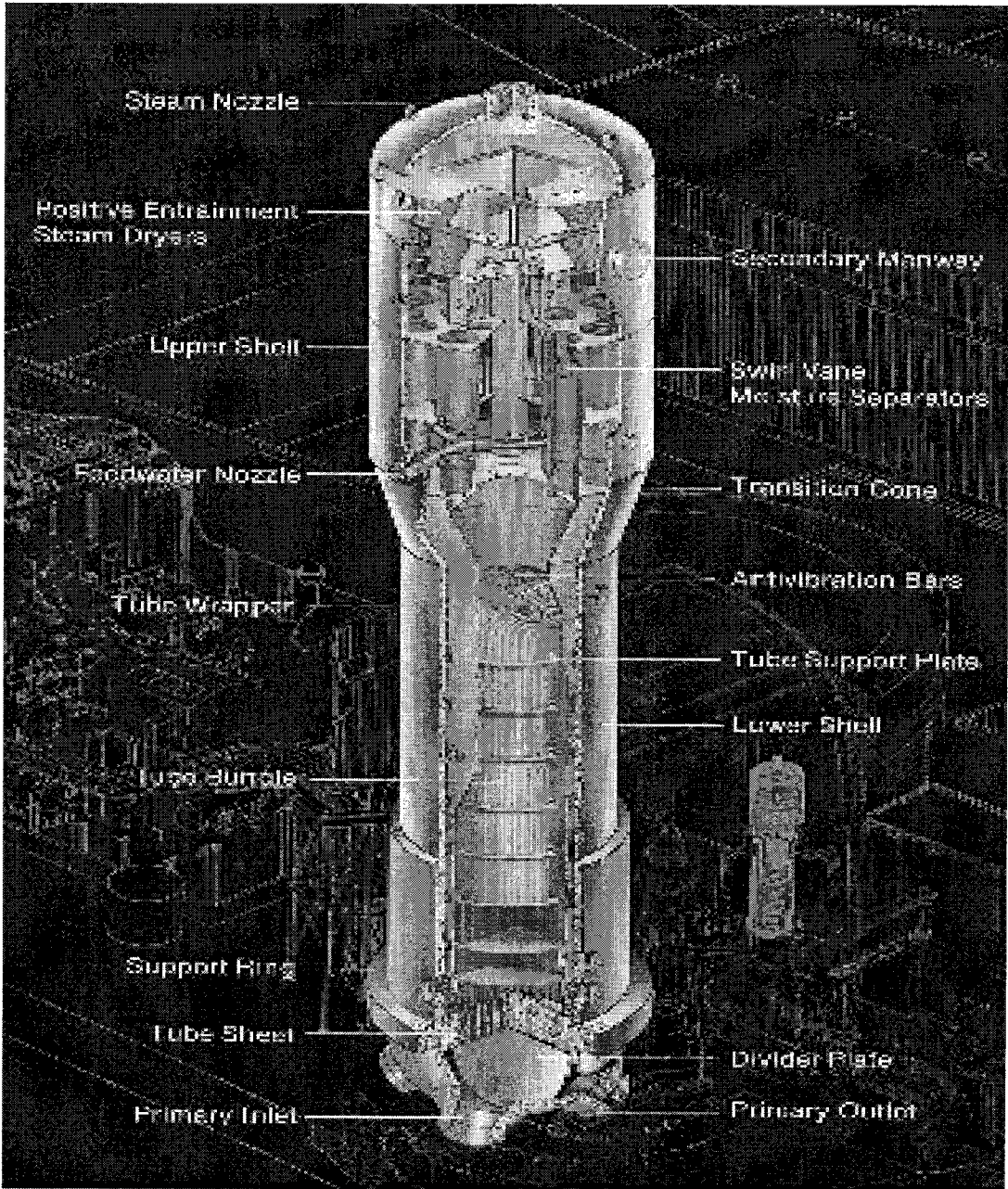
- **JACK STROSNIDER, DIRECTOR
DIVISION OF ENGINEERING, NRR**

PWR SYSTEM

INDIAN POINT 2



WESTINGHOUSE STEAM GENERATOR



CONDITIONS THAT MUST BE SATISFIED TO OPERATE STEAM GENERATORS

- **CON ED MUST DETERMINE THE CAUSE OF THE FAILURE AND TAKE CORRECTIVE ACTION**
- **CON ED MUST INSPECT THE STEAM GENERATORS AND REPAIR DEFECTIVE TUBES**
- **CON ED MUST PERFORM AN ENGINEERING ANALYSIS DEMONSTRATING THE STEAM GENERATORS MEET NRC REQUIREMENTS**
- **NRC APPROVAL IS REQUIRED IN A SAFETY EVALUATION REPORT**

CAUSE OF THE TUBE FAILURE AND CORRECTIVE ACTION

- **CON ED SUBMITTED ITS EVALUATION OF THE CAUSE OF THE FAILURE TO NRC ON APRIL 14, 2000**
 - ▶ **“PRINCIPAL CAUSE OF THE LEAKAGE WAS THE INABILITY TO DETECT THE INDICATION IN 1997 INSPECTION DUE TO NOISE IN THE SIGNAL”**

- **CON ED CORRECTIVE ACTIONS INCLUDED USE OF IMPROVED INSPECTION METHODS**

CON ED STEAM GENERATOR INSPECTIONS AND REPAIR

- **CON ED CONDUCTED TUBE INSPECTIONS FOLLOWING THE TUBE FAILURE**
 - ▶ **IMPROVED INSPECTION METHODS WERE USED**
 - ▶ **ALL TUBES WITH INDICATIONS OF CRACKING WERE REMOVED FROM SERVICE**
 - ▶ **ALL TUBES IN THE ROW WITH THE FAILED TUBE WERE REMOVED FROM SERVICE**

NRC OVERSIGHT OF LICENSEE INSPECTION ACTIVITIES

- **REGIONAL AND HEADQUARTERS STAFF ON SITE DURING CON ED'S STEAM GENERATOR INSPECTIONS**

- **STAFF OBSERVED PORTIONS OF THE LICENSEE'S INSPECTION AND IS REVIEWING THE INSPECTION RESULTS**

CON ED ENGINEERING ANALYSIS

- **CON ED SUBMITTED ITS ANALYSIS (OPERATIONAL ASSESSMENT) TO NRC ON JUNE 2, 2000**

- **PROVIDES CON ED'S BASES FOR:**
 - ▶ **RETURNING STEAM GENERATORS TO OPERATION**

 - ▶ **ACCEPTABLE PERIOD OF OPERATION**

- **REQUIRES NRC REVIEW AND APPROVAL IN A SAFETY EVALUATION REPORT**

NRC SAFETY EVALUATION REPORT

- **KEY ISSUES THAT MUST BE SATISFACTORILY ADDRESSED**
 - ▶ **ADEQUACY OF ENHANCED INSPECTION METHODS**
 - ▶ **ASSUMED RATES OF DEGRADATION DURING OPERATION**
 - ▶ **CONFIDENCE THAT TUBES WILL MEET REGULATORY REQUIREMENTS THROUGHOUT THE PROPOSED PERIOD OF OPERATION**

- **SCHEDULE FOR NRC REVIEW AND SAFETY EVALUATION REPORT**
 - ▶ **DEPENDS ON ISSUES THAT ARISE DURING REVIEW AND LICENSEE'S ABILITY TO RESPOND TO THEM**
 - ▶ **NRC WILL TAKE THE TIME NECESSARY TO COMPLETE A THOROUGH REVIEW**

NRC'S IP-2 LESSONS LEARNED TASK GROUP

- **CHARTER:** *To conduct, based on the February 15, 2000, steam generator tube failure at Indian Point 2 (IP-2), an evaluation of the technical and regulatory processes related to assuring steam generator tube integrity in order to identify lessons learned and recommend any areas for improvement.*
- **TASK GROUP MEMBERSHIP IS INTEROFFICE AND MULTI-DISCIPLINED**
- **FINAL REPORT WITH TASK GROUP REPORT WILL BE ISSUED TWO MONTHS FOLLOWING ISSUANCE OF THE STAFF'S SAFETY EVALUATION REPORT ON CON ED'S OPERATIONAL ASSESSMENT**
- **TASK GROUP IS COMMUNICATING WITH STAFF CONDUCTING THE IP-2 SAFETY EVALUATION TO IDENTIFY KEY ISSUES**

Indian Point Unit 2 Event

[[Indian Point 2 Event](#) | [Nuclear Reactors](#) | [NRC Home Page](#)]

Workers at Indian Point Nuclear Power Plant, Unit 2, manually shut down the reactor in Buchanan, N.Y., at 7:29 p.m. on Tuesday, February 15, 2000 following indications of a steam generator tube failure in one of the plant's four steam generators. The plant is operated by Consolidated Edison Company of New York. The steam generators are components that transfer heat from the reactor systems to the power-generating portion of a nuclear power plant. Plant safety systems performed as designed during the shutdown.

[Indian Point 2 Event Overview](#)

[Background](#)

[NRC Inspection Team Reports](#)

[Event Notifications](#)

[News and Correspondence](#)

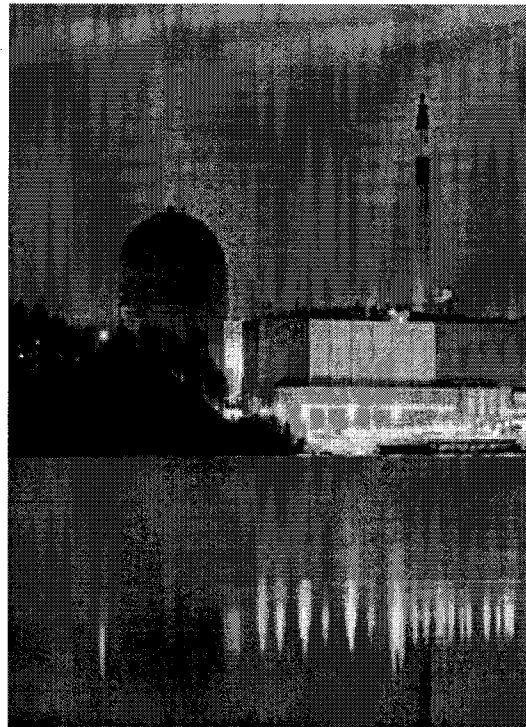
[Meetings](#)

[References](#)

[10 CFR 2.206 Petitions](#)

Questions or Comments Patrick
Milano (pdm@nrc.gov)

**This site was last updated on
6/13/00**



To learn more about the major systems and components associated with a Pressurized Water Reactor (PWR) as found at the Indian Point 2 Nuclear Power Plant, see

[PWR Systems](#)

[Cutaway view of a Westinghouse PWR steam generator design](#)

[Indian Point 2 Plant Information Book](#)

Please let us know how user friendly you find this Web site by e-mail to lxl@nrc.gov. This site is under development and will be periodically updated. In particular, we are interested in making the site user-friendly and providing information in plain English. Because some of the information presented is highly technical, we recognize that it may not meet the plain English test. We will consider all comments when we update the site.

<http://www.nrc.gov/nrc/reactor/ip/index.html>

10 CFR 2.206 PETITION PROCESS

- **SUZANNE BLACK, DEPUTY DIRECTOR,
DIVISION OF LICENSING PROJECT
MANAGEMENT, NRR**

10 CFR 2.206 PROCESS

- **REGULATION PROVIDING ANY PERSON AN OPPORTUNITY TO REQUEST ENFORCEMENT ACTION**

- **AGENCY PROCESS TO IMPLEMENT THIS REGULATION (MANAGEMENT DIRECTIVE 8.11)**
 - ▶ **PETITION REVIEW BOARD DETERMINES IF REQUESTS MEET THE CRITERIA**
 - ▶ **ACKNOWLEDGMENT LETTER SENT TO PETITIONER**
 - ▶ **PETITION REVIEWED AND DIRECTOR'S DECISION ISSUED**

CURRENT 2.206 PETITION

- **PETITION SUBMITTED BY UCS MARCH 14, 2000**
- **PETITIONED NRC TO NOT PERMIT RESTART PENDING**
 - ▶ **REPLACEMENT OF ALL FOUR SGs**
 - ▶ **RESOLUTION OF SG TUBE INTEGRITY CONCERNS RAISED IN A DPO**
 - ▶ **DISTRIBUTION OR STOCKPILING OF POTASSIUM IODIDE TABLETS TO PERSONS WITHIN THE 10-MILE EPZ**
- **CONSIDERABLE COMMUNICATION SINCE THEN INCLUDING TWO ACKNOWLEDGMENT LETTERS, TWO PUBLIC MEETINGS, AND SUPPLEMENTS TO THE ORIGINAL PETITION**
- **RECENT PUBLIC CITIZEN LETTER RELATING TO ADEQUACY OF EMERGENCY PLANNING IS BEING CONSIDERED AS A SUPPLEMENT TO THE PETITION**
- **DECISION ON THE ISSUES REVIEWED UNDER 2.206 WILL BE MADE PRIOR TO IP2 RESTART. ADMINISTRATIVE PROCESSING OF DIRECTOR'S DECISION MAY BE AFTER RESTART**
- **PETITIONERS WILL BE INFORMED OF DECISION PRIOR TO RESTART**