

U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-247/79-05

Docket No. 50-247

License No. DPR-26                      Priority -                      Category C

Licensee: Consolidated Edison Company  
                    of New York, Inc.  
                    4 Irving Place  
                    New York, NY                      10003

Facility Name: Indian Point Nuclear Generating Station, Unit 2

Inspection At: Buchanan, New York

Inspection Conducted: March 4-31, 1979

Inspector:

T. Rebelowski  
T. Rebelowski, Resident Inspector

5/30/79  
date signed

Approved By:

R. R. Keimig  
R. R. Keimig, Chief, Reactor  
Projects Section No. 1,  
RO&NS Branch

5/30/79  
date signed

Inspection Summary:

Inspection on March 4-31, 1979 (Report No. 50-247/79-05)

Areas Inspected: Routine inspection of plant operations including tours of the facility; physical protection in the areas of access control, barriers, search, escort, communications and compensatory measures; review of periodic reports and onsite followup of licensee event reports. The inspection involved 23 hours onsite by the NRC resident inspector.

Results: No items of noncompliance were identified.

564 153

7908020/00

## DETAILS

### 1. Persons Contacted

Mr. A. Decker, Technical Engineer  
Mr. C. Limoges, Reactor Engineer  
Mr. J. Makepeace, Technical Engineering Director  
Mr. W. Monti, Manger, Nuclear Power Generation Department  
Mr. A. Nespoli, Operations Engineer  
Mr. M. Shatkouski, Plant Manager  
Mr. R. Warren, Security Supervisor

The inspector also interviewed and observed other licensee employees including members of the operations, technical services, health physics, security and maintenance staffs and corporate personnel including nuclear engineering staff members.

### 2. Review of Plant Operations

#### a. Shift Logs and Operating Records

The inspector reviewed the following logs and records for the period of March 4, 1979 to March 31, 1979.

- Senior Reactor Operator Log
- Watch Supervisor Log
- Conventional Nuclear Plant Operator Log
- Nuclear Plant Operator Log
- Night Order Book
- Jumper Log
- Significant Occurrence Reports
- Flux Difference Log Sheet
- Reactor Coolant Leakage Surveillance Sheet
- Rod Position Indication Log
- Thermal Power Calculation Sheet
- Containment Leakage Calculation
- Quadrant Power Tilt Calculation Sheet
- High Radiation Area Locked Gate List
- Control Room Log Sheet
- Conventional Area Log Sheet
- Nuclear Area Log Sheet

The logs and records were reviewed to verify the following items:

- Log book reviews are being conducted by the staff.
- Instructions in the Night Order Book did not conflict with Technical Specifications.
- Significant Occurrence Reports confirm compliance with Technical Specification reporting and LCO requirements.
- Log book entries involving abnormal conditions are sufficiently detailed.

Acceptance criteria for the above review included inspector judgement and requirements of applicable Technical Specifications and the following licensee procedures:

- QAD-3, "Plant Surveillance and Log Keeping Policy"
- SAO-126, "Jumper Log"
- SAO-124, "Reporting of Anomalous Conditions"

No items of noncompliance were identified during the inspector's review of logs and records.

b. Additional Reviews Relative to the Three Mile Island Incident

Based on preliminary information concerning the Three Mile Island-2 incident, the following verifications were made by the inspector:

- Auxiliary Feedwater systems are available for automatic actuation. Auxiliary feedwater system was actuated on March 9 and March 10, 1979.
- Operators have been advised of the operator actions at TMI-2 and the licensee has advised operators to manually initiate Safety Injection (SI) upon reaching reactor coolant system pressures at the SI initiation point without a coincident low level signal from the system pressurizers.

- Training department is programming the IP simulator with TMI-2 incident information, to use as a training aid, and training schedules are being developed to train all operators in this area.

c. Plant Tour

At various times during the inspection, the inspector toured the following accessible plant areas:

- Control Room
- Primary Auxiliary Building
- Turbine Building
- Intake Structure
- Security Control Building

The following observations/determinations were made:

- Radiation protection controls: step-off pads, storage/disposal of protective clothing, and control of high radiation areas were observed for adequacy in all areas toured.
- Fluid leaks: all areas toured were examined for evidence of excessive fluid leakage.
- Piping vibrations: all areas toured were examined for evidence of excessive piping vibration.
- Control Room and Nuclear Plant Operator station manning: these areas were observed to determine compliance with regulatory requirements.
- Selected valve positions/equipment start positions were observed.
- Discussions with watch personnel pertaining to reasons for selected lighted annunciators: the Watch Supervisor was questioned to determine if he was knowledgeable of the reasons for all lighted annunciators.
- Seismic restraint oil levels: a sampling of plant hydraulic restraints was performed.

- Monitoring instrumentation: Control Room instrumentation including Control Rod Positions, Accumulator Tank Levels and Pressures, Reactor Coolant  $\Delta$ P, Power Range Nuclear Instrumentation, Turbine Vibration and Containment Temperatures and Pressures, and various on-line recorders were observed.
- Plant housekeeping conditions/cleanliness were noted. Removal of wood from boui and pallets was requested by inspector.
- LSSS/LCO: equipment status or operating parameters were observed for conformance to the LSSS/LCO requirements.
- Shift turnovers of control room operators and watch supervisors were observed on regular and back shifts.

Acceptance criteria for the above items included inspector judgement and requirements of 10 CFR 50.54(k), Regulatory Guide 1.114, applicable Technical Specifications and the following licensee procedures:

- SAO 105, "Work Permits"
- SAO 114, "Station Fire Protection Systems"
- SAO 116, "Housekeeping Policy"
- SAO 126, "Jumper Log"
- SAO 128, "Security Plan Implementation"

No items of noncompliance were identified during the plant tours.

The licensee has corrected the steam condensation in the drain pump vent in PAB which was identified in Paragraph 3b, IE Inspection Report No. 50-247/79-01.

d. Fire Hazards

Observations on a sampling basis were made of fire extinguishers, hoses and nozzles, foam tanks and deluge station valving and emergency lighting. No items of noncompliance were observed.

3. Observation of Physical Security

The resident inspector made observations, witnessed and/or verified, during regular and off-shift hours, that the selected aspects of the security plan were in accordance with regulatory requirements, physical security plans and approved procedures.

a. Physical Protection Security Organization

- Observations and personnel interviews indicated that a full time member of the security organization with authority to direct physical security actions was present, as required.
- Manning of all three shifts on various days was observed to be as required.
- All physical security members observed appeared capable of performing their assigned tasks.

b. Physical Barriers

Selected barriers in the protected area (PA) and vital areas (VA) were observed and random monitoring of isolation zones was performed. Observations of truck and car searches were made.

c. Access Control

Observations of the following items were made:

- Identification, authorization and badging
- Access control searches
- Escorting
- Communications
- Compensatory measures when required

d. Training

On March 26, 1979, between 1800 and 1930 hours, an unannounced, off-hour inspection was conducted of guard force training. Weapons practice was observed at a local facility. Five members of the guard force were in attendance along with a qualified instructor.

564 153

e. Findings

The inspector identified no items of noncompliance.

4. Review of Periodic Reports

a. Monthly Operating Reports

The Monthly Operating Reports for January and February were reviewed. The review included an examination of selected Maintenance Work Requests and an examination of significant occurrence reports to ascertain that the summary of operating experience was properly documented.

b. Findings

The inspector verified through record reviews and observations of maintenance in progress that:

- the corrective action was adequate for resolution of the identified items;
- the information in the reports was identified as licensee event reports where required per TS 6.9.1.7; and,
- the Operating Report included the requirements of TS 6.9.1.6.

The inspector had no further questions on the reports reviewed.

5. Licensee Reported Items

a. In-Office Review of Licensee Event Reports

A review was conducted of the Licensee Event Reports (LER's) received in the Region I office to verify that the details of the events were clearly reported, including the accuracy of the description of the cause and the adequacy of the corrective action. The LER's were also reviewed to determine whether further information was required from the licensee and whether generic implications were involved. The following licensee event reports were reviewed.

<u>Report Number</u>	<u>Subject</u>
LER-78-034/04L-0	ETS requirements on maximum heat rejection rates.
LER-78-035/03L-0	Service Water Pump No. 23 broken shaft.
LER-78-036/03L-0	No. 22 Charger Pump Cylinder exhibited leakage.
LER-78-037/03L-0	No. 21 Emergency Diesel Generator air start motors found inoperable.
LER-78-038/04T-0	Precipitation sample anomaly.

b. Onsite Licensee Event Followup

All the LER's listed in Paragraph a above were selected for onsite followup. The inspector verified that the reporting requirements of Technical Specifications, Station Administrative Orders No. 124 and No. 125 had been met, that appropriate corrective action had been taken, that the event was reviewed by the Technical Engineering Director and that continued operation of the facility was conducted in conformance with the Technical Specification limits.

The inspector's findings regarding the licensee events were acceptable, unless otherwise noted below:

LER 78-034/04L-0 The licensee received, on February 15, 1979, Amendment No. 47 to the Facility License. The amendment deletes from the TS the method for calculating the rate of heat rejection to the river.

LER 78-037/03L-0 The inspector reviewed the licensee's action which included review of Maintenance Work Requests (MWR's) 202 and 203, and Preventive Maintenance Procedures 2PMSA and 2PM-A. The inspector requested verification of the cleaning fluids. This item was completed satisfactorily prior to conclusion of inspection as documented in MWR 8242.

No items of noncompliance were identified.

564 160



6. Exit Interview

At periodic intervals during the course of this inspection, meetings were held with senior facility management to discuss inspection scope and findings.