

U. S. NUCLEAR REGULATORY COMMISSION

REGION I

Report No. 82-20

Docket No. 50-286

License No. DPR 64 Priority \_\_\_\_\_ Category C

Licensee: Power Authority of the State of New York  
Indian Point 3 Nuclear Power Plant  
P. O. Box 215  
Buchanan, New York 10511

Facility Name: Indian Point 3

Inspection At: Buchanan New York

Inspection Conducted: November 15 - 17, 1982

Inspectors: Harry W. Kerch  
Harry W. Kerch, Mechanical Engineer, NDE

12/20/82  
date

Richard H. Harris  
Richard Harris, Inspector

12/20/82  
date

Approved by: J. P. Durr  
J. P. Durr, Chief, Materials and  
Processes Section

12/29/82  
date

Inspection Summary: Inspection conducted November 15 - 17, 1982 (Report No. 50-286/82-20).

Areas Inspected: Special, announced inspection of nondestructive examination associated with steam generator upper shell to transition cone weld cracks. The inspection involved 34 inspector hours onsite by two regional-based inspectors.

Results: No violations were identified.

## Details

### 1. Persons Contacted

#### Power Authority of the State of New York (PASNY)

D. Halama, QA Superintendent  
R. T. Hansler, Technical Service Mechanical Engineer  
W. A. Josiger, Superintendent of Power  
J. A. Schivera, Licensing Coordinator

#### NRC Personnel

T. J. Kenny, Resident Inspector

### 2. Ultrasonic Examination of Steam Generators Upper Shell to Transition Cone Girth Welds

The licensee reported a through wall leak and a series of cracks in the Indian Point 3 steam generators. The purpose of this inspection was to confirm that the current ultrasonic inservice inspection techniques are capable of identifying these kinds of defects.

The inspector reviewed PASNY Inservice Inspection (ISI), American Society of Mechanical Engineers, Section XI, ultrasonic examination data for the four steam generators at Indian Point 3. Steam Generator 32 was selected by the NRC inspector for re-ultrasonic examination using independent verification inspection techniques and using Region I engineering personnel.

Areas of weld 32-6 were selected for examination. The areas selected were with and without known indications. These areas were re-ultrasonically examined in accordance with NRC procedures and American Society of Mechanical Engineers, Section XI requirements. The ultrasonic re-examination verified the acceptability of a standard ASME Section XI ultrasonic examination for detecting ID cracks for this weld configuration.

No violations were identified.

### 3. Exit Interview

The inspector met with members of the licensee's staff on November 17, 1982. The inspector summarized the purpose, the scope of the inspection, and the findings.