



## SUMMARY OF FINDINGS

### Enforcement Action

None

### Licensee Action on Previously Identified Enforcement Items

None

### Design Changes

None identified

### Unusual Occurrences

None identified

### Other Significant Findings

#### A. Current Findings

1. The compiling and review of dimensional data on primary coolant boundary valves were found to be nearing completion. No deficiencies were identified.
2. The documentation and work in progress on the reactor internals fitup were examined. No deficiencies were identified. The installation of the internals into the reactor vessel has been scheduled for a later date. The review of the internals documentation will be continued in subsequent inspections. (Details, Paragraph 8)
3. The control of construction drawings was examined in the field. No deficiencies were identified. (Details, Paragraph 7)

#### B. Status of Previously Reported Unresolved Items

1. The following previously reported outstanding items have been resolved:
  - a. Installation of level alarm switches at Elevation 3 in turbine hall. (Details, Paragraph 2)
  - b. Deletion of seismic calculations from service water system pressure transmitter purchase order. (Details, Paragraph 3)

- c. Hydrotesting of steam generator tube repairs. (Details, Paragraph 4)
- d. Lack of agreement between licensee and Wedco on Guidelines for Readiness Testing. (Details, Paragraph 5)
- e. Switching from injection phase to recirculation phase. (Details, Paragraph 5)
- f. Safety injection bypass instrumentation. (Details, Paragraph 6)
- g. Lack of independence between redundant safety injection pumps. (Details, Paragraph 6)
- h. Bypass of redundant engineered safety features. (Details, Paragraph 6)

Management Interview

An exit interview was conducted at the site on September 6, 1974, with the following in attendance:

Consolidated Edison Company

Mr. H. W. Cairns, Supervising Construction Inspector  
Dr. G. I. Coulbourn, Manager IP3 Construction  
Mr. J. P. Deane, Supervising Quality Assurance Examiner  
Mr. P. B. Upson, Chief, Construction Inspector  
Mr. J. S. White, Quality Assurance Project Engineer (HQ)

WEDCO

Mr. S. R. Buckingham, Quality Assurance Manager  
Mr. M. L. Snow, Reliability Manager

The following items were discussed:

- A. The inspector stated that the following previously unresolved outstanding items had been resolved:
  - 1. Installation of level alarm switches at Elevation 3 in turbine hall. (Details, Paragraph 2)
  - 2. Deletion of seismic calculations from service water system pressure transmitter purchase orders. (Details, Paragraph 3)

3. Hydrotesting of steam generator tube repairs. (Details, Paragraph 4)
4. Lack of agreement between licensee and constructor on Guidelines for Readiness Testing. (Details, Paragraph 5)
5. Switching from injection phase to recirculation phase. (Details, Paragraph 5)
6. Safety injection bypass instrumentation. (Details, Paragraph 6)
7. Lack of independence between redundant safety injection pumps. (Details, Paragraph 6)
8. Bypass of redundant engineered safety features. (Details, Paragraph 6)

The licensee acknowledged this information.

- B. The inspector stated a review of the working data was made for the "thin wall valve verification program" required by RO:I letter of June 22, 1972. The inspector was informed that the final data and engineering justifications were not in final form and had not been officially presented to the licensee for evaluation and approval. The licensee stated that the program would be completed expeditiously and RO notified for final inspection and close out.
- C. The inspector stated that he had been informed that the primary coolant system would be hydrotested in the near future. He asked to be notified when a firm schedule had been established. The licensee agreed to this request.
- D. The inspector stated that he had examined the implementation of the drawing control procedure, and had identified no deficiencies. The licensee acknowledged this information. (Details, Paragraph 7)

## DETAILS

### 1. Persons Contacted

#### Consolidated Edison Company

Mr. H. W. Cairns, Supervising Construction Inspector  
Dr. G. I. Coulbourn, Manager IP3 Construction  
Mr. J. P. Deane, Supervising Quality Assurance Examiner  
Mr. A. Kohler, Jr., Resident Construction Manager  
Mr. P. B. Upson, Chief Construction Inspector  
Mr. J. S. White, Quality Assurance Project Engineer (HQ)

#### WEDCO

Mr. S. R. Buckingham, Quality Assurance Manager  
Mr. J. P. Campbell, Quality Control Manager  
Mr. P. E. Ortstadt, Quality Control Mechanical Supervisor  
Mr. R. J. Smart, Quality Assurance Electrical Engineer  
Mr. M. L. Snow, Reliability Manager

### 2. Installation of Level Alarm Switches

The licensee's Inspection Report August 22, 1974, and Wedco Installation Checklists covering level controllers 1240S and 1241S, August 29, 1974 showed that the level controllers had been installed and met acceptance requirements. The inspector also examined this installation in the plant, including the control room annunciators.

This item is resolved.

### 3. Deletion of Seismic Calculations from Instrumentation Purchase Orders

The inspector examined a letter from the constructor to Wedco's Engineering Manager, dated December 19, 1969, which stated that seismic calculations were not required on the subject pressure transmitters as these were identical to other pressure transmitters on which the seismic calculations had been completed.

This item is resolved.

### 4. Hydrotesting of Steam Generator Tube Repairs

The inspector examined three Hydrotest Reports dated July 5-9, 1974, on Steam Generator Nos. 31, 32 and 34. Test pressure was 855 psig. per Paragraph N-7143 of Section III ASME Code.

This item is resolved.

5. Guidelines for Readiness Testing

The inspector examined Wedco Procedure "Administrative Guidelines for the Test Program," Revision 3, September 6, 1973. This procedure had been approved by both the licensee and Wedco. The procedure included detailed testing instructions.

This item is resolved.

6. Changes on Instrumentation, Control and Electrical Systems

The documentation concerning several changes in the instrumentation, control and electrical systems was examined by the inspector. These changes had been made as the result of a review by the Directorate of Licensing. The licensee's letter of April 2, 1973 to the Directorate of Licensing presented in detail, in Attachment A, the changes that would be made. The documentation included the minutes of the licensee's meeting with the constructor and Wedco on June 21, 1973, concerning the changes. Also examined was the licensee's inspection report, dated September 5, 1974, "USAEC Electrical Items" which states "(Items) ----have been inspected by Con Ed's Field Operations Group and have been found to be complete and installed in accordance with----." The Wedco billing forms to the licensee for "AEC Electrical Items 2, 3, 4, 5 and 7" were also presented in evidence of completion of this work.

This item is resolved.

7. Drawing Control

The inspector randomly selected for examination 43 electrical, piping and structural drawings on field stick files at various locations. The revision numbers and dates were compared to the Engineering Department's master card files. No deficiencies were identified.

8. Reactor Vessel Internals

The documentation on the reactor vessel internals fitup and the work in progress were examined by the inspector. Following is a listing of the documentation examined.

- a. Wedco QA Procedure, WQA 1-0-1. Rev. 0, March 22, 1973.
- b. Wedco Administration Department Organization Chart, Figure 1, August 22, 1974.

- c. Wedco QA Procedure, WQA 1-0, Rev. 6, April 4, 1972.
- d. Wedco QA Procedure, WQA 2-0, Rev. 3, April 5, 1972.
- e. Wedco QA Procedure, WQA 4-0, Rev. 3, June 11, 1974.
- f. Wedco QA Procedure, WQA 5-0, Rev. 6, April 6, 1972.
- g. Wedco QA Procedure, WQA 5-0-8, "QA Audits" April 6, 1972.
- h. Wedco Procedures on Internals
  - 1) WEGR-0-05 "Lifting Checklist for Head Lifting Rig"
  - 2) WEGR-0-44 "Cleaning RV Internals"
  - 3) WEGR-0-43 "Installing/Removing RV Head"
  - 4) WEGR-0-53 "Cleaning of RV Studs, Nuts and Washers"
  - 5) WEGR-0-52 "Cleaning RV Head"
  - 6) WCM-0-18 "Installation of RV Internals, Heads, Pumps, CRDM"
  - 7) WEGR-0-21 "Equipment Storage and Maintenance Criteria Reactor Internals"
  - 8) Wedco General Inspection Report, January 4, 1974
  - 9) Wedco General Inspection Report, April 26, 1973

Observations: An inspection was made of the internals which had been cleaned and covered in preparation for installation. No deficiencies were noted.

SUMMARY OF FINDINGS

Enforcement Action

None

Licensee Action on Previously Identified Enforcement Items

Not inspected

Unusual Occurrences

None identified

Other Significant Findings

None

Management Meeting

The meeting was held in the licensee's corporate offices on September 4, 1974 with the following licensee attendees.

Mr. G. A. Beer, Director - Quality Assurance  
Mr. J. C. Mills, Quality Assurance Specialist  
Mr. R. C. Rossi, Quality Assurance Engineer  
Mr. C. P. Sophia, Quality Assurance Engineer  
Mr. W. J. Thompson, Consultant  
Mr. G. Wasilenko, Manager - Engineering Quality Assurance  
Mr. J. S. White, Quality Assurance Project Manager

Items discussed are summarized below.

- A. The licensee stated that the purpose of this meeting was to present and discuss the Indian Point 3 Quality Assurance Program for Operations. The licensee stated that the review was being given to aid RO:I in the review of the proposed program. The presentation was given in eleven (11) sections by seven (7) licensee employees and covered the following areas.
1. Introduction
  2. Organization
  3. Program

4. Training
  5. Procurement Cycle
  6. Design Control Cycle
  7. Modification, Repair & Maintenance Control Cycle
  8. Nonconformances & Corrective Action
  9. Records
  10. Test & Operations
  11. Audit.
- B. The inspectors discussed the review process that would be conducted at RO:I.
- C. The licensee stated that any additional procedures developed or approved would be forwarded to RO:I for inclusion in the review process. RO:I was given a two (2) volume set of documents representing, according to the licensee, the Quality Assurance Program for Operations at the facility with the implementing procedures developed to date.

Details

None

U. S. Atomic Energy Commission  
Washington, D.C. 20545

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