

U.S. ATOMIC ENERGY COMMISSION  
DIRECTORATE OF REGULATORY OPERATIONS

REGION I

RO Inspection Report No: 50-286/74-10

Docket No: 50-286

Licensee: Consolidated Edison Company (Indian Point 3)

License No: CPPR-62

Attention: Mr. W. J. Cahill, Jr.

Priority: \_\_\_\_\_

4 Irving Place

Category: B

Location: Buchanan, New York

Type of Licensee: PWR, 1050 MWe (Westinghouse)

Type of Inspection: Routine, Announced

Dates of Inspection: May 21, 1974

Dates of Previous Inspection: May 7-10, 1974

Reporting Inspector: *R. F. Heishman*  
R. F. Heishman, Senior Reactor Inspector

6/7/74  
Date

Accompanying Inspectors: *G. Napuda*  
G. Napuda, Reactor Inspector

6/7/74  
Date

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Date

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\_\_\_\_\_  
Date

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\_\_\_\_\_  
Date

Other Accompanying Personnel: \_\_\_\_\_

\_\_\_\_\_  
Date

Reviewed By: *J. H. Tillou*  
J. H. Tillou, Senior Reactor Inspector

6-7-74  
Date

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## SUMMARY OF FINDINGS

### Enforcement Action

None

### Licensee Action on Previously Identified Enforcement Items

None Applicable

### Design Changes

None

### Unusual Occurrences

None

### Other Significant Findings

#### A. Current Findings

The current findings are listed under Paragraph B below.

#### B. Status of Previously Unresolved Items

1. The inspectors reviewed Quality documentation at the Westinghouse Cheswick facility to support the quality release written for various portions of the reactor coolant pumps. (Details, Paragraph 2)

### Management Interview

An exit interview was conducted at the Westinghouse Cheswick site with the following individuals:

#### Consolidated Edison Company

Mr. J. Deane, Quality Assurance Branch  
Mr. H. W. Cairns, Quality Control Inspector

#### Westinghouse Cheswick

Mr. S. E. Fastuca, Marketing  
Mr. D. R. Moore, EMD QA

Mr. J. Ortle, EMD QA  
Mr. T. M. Alexovich, EMD QA  
Mr. C. Poelzke, EMD QA  
Mr. R. Edwards, EMD Electrical Engineering Supervisor  
Mr. J. Phillips, EMD QA Manager

Items discussed are as summarized below:

- A. The inspector stated that on the basis of examination of records and discussions with QA personnel, the quality release documents were considered to be acceptable.

The licensee acknowledged the inspectors comments. (Details, Paragraph 2)

DETAILS

1. Persons Contacted

Consolidated Edison Company

Mr. J. Deane, Quality Assurance Branch  
Mr. H. W. Cairns, Quality Control Inspector

Westinghouse Cheswick

Mr. S. E. Fastuca, Marketing  
Mr. D. R. Moore, EMD QA  
Mr. J. Ortle, EMD QA  
Mr. T. M. Alexovice, EMD QA  
Mr. C. Poelzke, EMD QA  
Mr. R. Edwards, EMD Electrical Engineering Supervisor  
Mr. J. Phillips, EMD QA Manager

2. QA RECORDS - REACTOR COOLANT PUMPS

The following Quality Assurance and Quality Control record packages were reviewed:

- a. The general order no. NY78502AR6AE dated 5/08/67 was presented as the contract for the reactor coolant pumps for Indian Point 3. The engineering specification was E Spec. No. 676213 Rev. 0 dated 12/15/65 and Rev. 1 dated 11/21/66. The general order contained change notices 1 through 13 of various dates. The inspectors were informed that the general order and engineering specification, when received from the PWR Group of Westinghouse by the EMD-Cheswick Group, were reviewed and the requirements thereof converted to the additional purchase documents as required. This included, specifically for the pump motors, the development of additional specification numbers E565614 and 565618 which were reviewed and which were a part of the purchase documents for the motors. The motors were procured from the Westinghouse LMD Division. The RCP packages were distributed into three distinct records sets as follows:

- (1) The Internals Documentation Package which included weld data, material certification, inspection data and quality releases.

The internal QCR's are:

<u>QCR No.</u>	<u>Date</u>	<u>Supplement Date</u>
13860	1/10/74	#1 2/11/74
13861	1/10/74	#1 2/11/74
S-2931	3/25/70	#1 1/10/74
		#2 2/11/74
13862	1/10/74	#1 2/11/74

Pump number 3 was the only pump internals which were completed and shipped after the requirement for quality releases became effective (10 CFR 50, Appendix B). Pump numbers 1, 2 and 4 were shipped prior to the requirement and the QR's were made in January of 1974 upon an evaluation of the record packages and the supplements for the four pumps were made to indicate a switch of pumps between various plants; (Indian Point 2 to Indian Point 3).

- (2) Reactor Coolant Pump motor records were reviewed including the following:

EMD specification number E565614 and 565618.

An inconsistency was discovered between these specifications and the purchase specifications of PWR group, however, this item was resolved after review of additional records produced by the EMD Quality Assurance personnel. These records were in the form of interdivisional letters that satisfactorily established that the original design office rectified the issue of 4000 versus 6600 volts for the design motor voltage.

The inspector reviewed various material certifications for different motor parts on a sampling basis in addition a review was made of proto-type testing conducted on one of the four motors involved and the production tests which were performed on subsequent motors. QCR's were reviewed in addition to the quality records backup previously mentioned above. The motor QCR's were as follows:

<u>Quality Release No.</u>	<u>Spin No.</u>	<u>Supplement No. &amp; Date</u>	
13699	01	1	2/11/74
13698	02	1	2/11/74
13697	03	1	2/11/74
13700	04	1	2/11/74

Supplement No 1 of the above QR's indicated a correction for the omission of the date from the original QR's.

- (3) Quality Records were reviewed for the reactor coolant pump casings and included the following:

Mill certifications, Welding records, nondestructive examination records, procurement specifications, and other purchase documents.

The following quality releases were reviewed.

<u>Quality Release No.</u>	<u>Spin No.</u>	<u>Date</u>	<u>Supplement No.</u>	<u>Date</u>
05981	01	1/10/74	1	2/11/74
05977	02	1/10/74	1	2/11/74
05980	03	1/11/74	1	2/11/74
05978	04	1/11/74	1	2/11/74

Supplement # 1 corrected the QR numbers for the casings, as installed on site, to ensure that the quality records indicated the correct loop number and serial number. As a result, the QCR's and supplements indicated a non-consistent serial number and spin number; however, the description and the total records package indicates which casing is installed in which loop by serial number.

As a result of the review of the quality records supporting the QCR's for the reactor coolant pumps at Indian Point 3 we have no further questions regarding this matter.