



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

September 10, 1979

Docket No. 50-247

LICENSEE: Consolidated Edison Company of New York

FACILITY: Indian Point, Unit No. 2

SUBJECT: SUMMARY OF MEETING ON SEPTEMBER 6, 1979 TO DISCUSS STEAM  
GENERATOR INSPECTION

A meeting was held on September 6, 1979 between representatives of Consolidated Edison and the NRC staff. A list of attendees is given in Enclosure 1. The meeting was requested by Consolidated Edison after they were informed that a license condition would be issued that, similar to the present license condition, would require inspection of all four steam generators within the next sixteen equivalent months of operation.

The licensee presented the material in Enclosure 2 to support the position that only two steam generators should be inspected within the next sixteen months of equivalent operation. The benefit would be a reduction in personnel exposure, from approximately 84 man rem for inspection of four steam generators to approximately 45 man rem for two steam generators. (All four steam generators are inspected simultaneously, so halving the number of steam generators inspected would not significantly reduce the inspection time.) The licensee stated that since all four steam generators appear to be degrading very slowly, and at approximately the same rate, they were of the opinion the additional information gained from inspection of four steam generators would not warrant the additional exposure to personnel.

The NRC staff stated that in the only case where a steam generator inspection license condition had been removed, it was removed only after no further denting had been observed during two successive inspections. Results of the inspection just completed indicated that denting in the Indian Point 2 steam generators is still progressing, and although it is progressing more slowly than at some other facilities, it still may result in leaking tubes in the future.

Further, the staff stated that if the licensee only planned inspection of two steam generators, and this inspection indicated that inspection of the other two steam generators was necessary, then outage time might be extended and there would be no reduction in personnel exposure.

Thus, the staff said it will continue to closely monitor the licensee's steam generators, and that the amendment to be issued prior to unit start-up will require inspection of all four steam generators within sixteen equivalent months of operation.

*L. Olshan*

L. Olshan, Project Manager  
Operating Reactors Branch #1  
Division of Operating Reactors

Enclosures: As stated

cc: w/enclosures  
See next page

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7909250619 *Q*

Mr. William J. Cahill, Jr.  
Consolidated Edison Company of New York, Inc.

POOR ORIGINAL

cc: White Plains Public Library  
100 Martine Avenue  
White Plains, New York 10601

Joseph D. Block, Esquire  
Executive Vice President  
Administrative  
Consolidated Edison Company  
of New York, Inc.  
4 Irving Place  
New York, New York 10003

Charles W. Jackson  
Nuclear Licensing Engineer  
Consolidated Edison Company  
of New York, Inc.  
4 Irving Place  
New York, New York 10003

Anthony Z. Roisman  
Natural Resources Defense Council  
917 15th Street, N.W.  
Washington, D. C. 20005

Dr. Lawrence R. Quarles  
Apartment 51  
Kendal at Longwood  
Kennett Square, Pennsylvania 19348

Theodore A. Rebelowski  
U. S. Nuclear Regulatory Commission  
P. O. Box 38  
Buchanan, New York 10511

John D. O'Toole  
Assistant Vice President  
Consolidated Edison Company  
of New York, Inc.  
4 Irving Place  
New York, New York 10003

LIST OF ATTENDEES

CONSOLIDATED EDISON

W. Bennett  
L. Liberatori  
S. Rothstein

NRC

B. D. Liaw  
E. Murphy  
V. Noonan \*  
L. Olshan  
J. Strosnider

\* Part-time Attendance

Meeting Summary for  
Indian Point, Unit No. 2

POOR ORIGINAL

Docket Files  
NRC PDR  
Local PDR  
ORBI Reading  
NRR Reading  
H. Denton  
E. Case  
D. Eisenhut  
G. Zech  
B. Grimes  
W. Gammill  
L. Shao  
J. Miller  
R. Vollmer  
T. J. Carter  
A. Schwencer  
D. Ziemann  
P. Check  
G. Lainas  
D. Davis  
B. Grimes  
T. Ippolito  
R. Reid  
V. Noonan  
D. Crutchfield  
G. Knighton  
D. Brinkman  
Project Manager  
OELD  
OI&E (3)  
C. Parrish/P. Kreutzer  
ACRS (16)  
NRC Participants  
J. Buchanan  
TERA ✓  
Licensee  
Short Service List

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STEAM GENERATOR PROGRAM

1979 REFUELING OUTAGE

Enclosure 2

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NO INSERVICE LEAKS

NOVEMBER 1976 TO CURRENT (JUNE 1979)

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STEAM GENERATOR PROGRAM

- EDDY CURRENT FOR TUBE DEFECTS AND DENTS
- VISUAL FOR SUPPORT PLATE CONDITION
- SLUDGE ANALYSIS

NO TUBE DEFECTS

APPROX. 1500 TUBES EXAMINED

APPROXIMATE EXPOSURE - ECT '79

Eddy Current Personnel	23 men (7>1200 ea)	21 Man Rem
PGM - Water Box Entries	21 men (1500-2200 ea)	38 Man Rem
PGM - Misc	13 men	20 Man Rem
PGM Foremen	10 men (estimated exposure)	5 Man Rem —
		84 Man Rem

EDDY CURRENT EXAMINATION FOR TUBE DEFECTS AND DENTS

SG 21 440 TUBES

SG 22 389 TUBES

SG 23 289 TUBES

SG 24 401 TUBES

1,519 TUBES

DENT MEASUREMENTS (MILS)

	JULY 1979		MARCH 1978		JUNE 1976	
	AVG.	MAX.	AVG.	MAX.	AVG.	MAX
SG 23	2.7	15	2.6	9	4.3	12
24	2.3	9	2.2	9	3.4	10

DENT MEASUREMENTS (MILS)

	JULY 1979		APRIL 1977		JUNE 1976	
	AVG.	MAX.	AVG.	MAX	AVG.	MAX.
SG 21	3.1	13	3.0	20	4.2	15
SG 22	2.4	9	2.7	10	2.7	9

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Comparison of ExaminationResults for '79

<u>S.G. 21</u>	<u>S.G. 22</u>	<u>Item</u>	<u>S.G. 23</u>	<u>S.G. 24</u>
649.5		EFPD since last exam	339.2	
701		Critical Days since last exam	357	
o	o	Defects	o	o
25.5%	19.5%	Restricted to 700 mil	23.5%	26.7%
2.7%	2.3%	Restricted to 610 mil	2.1%	1.3%
3 tubes	8 tubes	Restricted to 610 mil	6 tubes	5 tubes
o	o	Restricted to 540 mil	o	1

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ONE TUBE DID NOT PASS 540 PROBE

APPROX. 1500 TUBES EXAMINED

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