

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) INDIAN POINT STATION UNIT 2 DOCKET NUMBER (2) 050002471 OF 03

TITLE (4) EQ Not Documented For Thermocouple Cold Reference Junction in H<sub>2</sub> Recombiners

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)										
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)									
0	2	6	8	6	0	0	6	0	0	0	3	2	8	6	0	5	0	0	0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

OPERATING MODE (9)	20.402(b)	20.406(e)	90.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 01010	20.406(a)(1)(i)	90.36(a)(1)	90.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	90.36(a)(2)	90.73(a)(2)(vi)	OTHER (Specify in Abstract Below and in Text, NRC Form 365A)
	20.406(a)(1)(iii)	90.73(a)(2)(i)	90.73(a)(2)(vii)(A)	
	20.406(a)(1)(iv)	90.73(a)(2)(ii)	90.73(a)(2)(vii)(B)	
	20.406(a)(1)(v)	90.73(a)(2)(iii)	90.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME MICHAEL BLATT TELEPHONE NUMBER 914526-5127

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NRC
B	HB	RCIB	F01412	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

With the plant at cold shutdown for a refueling outage, it was determined that documentation was unavailable to substantiate environmental qualification of thermocouple cold reference junctions in the Hydrogen Recombiner System. The cold reference junctions for the thermocouples 1A, 2A, 1B and 2B and conduit connections have been sealed with RTV. Documentation to substantiate that the corrective action is acceptable will be added to our Central File of Environmental Qualification.

The health and safety of the public were not affected by this event.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
			0 0 6	0 1 0	0 2	OF	0 3

TEXT (IF MORE SPACE IS REQUIRED, USE ADDITIONAL NRC Form 368A's) (17)

Plant and System Identification:

Westinghouse 4-loop pressurized water reactor 900 MWe.

Identification of Occurrence:

Documentation was not available to substantiate environmental qualification of thermocouple cold reference junctions in the Hydrogen Recombiner System.

Event Date: February 26, 1986

Report Due Date: March 28, 1986

Reference: Significant Occurrence Report No. 86-76

Past Similar Occurrences: None

Description of Occurrence:

On February 26, 1986, while Unit 2 was at cold shutdown during a refueling outage it was determined that data substantiating the environmental qualification of the thermocouple cold reference junctions in the Hydrogen Recombiner System were not included in the qualification documentation for the Hydrogen Recombiners. There are two flame-type Hydrogen Recombiners installed at Indian Point 2. Each has two thermocouples available for controlling hydrogen flow.

Westinghouse, the supplier of the system was contacted, and on March 3, 1986 informed us that they were unable to provide environmental qualification documentation. We then proceeded to seal with RTV 7403 the cold reference junctions for Thermocouples 1A, 2A, 1B and 2B. The conduit connections were also sealed with RTV. Sealing with RTV was completed March 7, 1986.

Analysis of Occurrence:

Since available EQ documentation did not address the recombinder thermocouple cold reference junctions, and on the conservative assumption that the junctions were, in fact, unqualified, recombinder operation could have been affected. No previous problems have been experienced with the reference junctions. Since Indian Point 2 was already shutdown for a

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TEXT (IF MORE SPACE IS REQUIRED, USE ADDITIONAL NRC Form 366A (17))

refueling outage, the most conservative and cost effective course of action was to take the sealing action described above. The independent post accident containment venting system, which provides an alternative diverse method for long-term containment atmospheric hydrogen removal, was not impacted by this event.

The health and safety of the public were not affected by this event.

Cause of Occurrence:

During preparation of environmental qualification documentation, the thermocouple cold reference junctions were not separately identified, causing their omission from the documentation.

Corrective Action:

The cold reference junctions for Thermocouples 1A, 2A, 1B and 2B and conduit connections were sealed with RTV. Documentation to substantiate that the corrective action is acceptable is being added to our Central File of Environmental Qualification.

Equipment Information:

The Hydrogen Recombiners were manufactured by Fabrication Engineering Corporation, Drawing No. D11411.

John D. O'Toole  
Vice President

Consolidated Edison Company of New York, Inc.  
4 Irving Place, New York, NY 10003  
Telephone (212) 460-2533

March 28, 1986

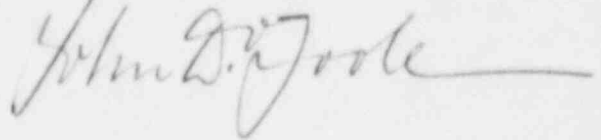
Re: Indian Point Unit No. 2  
Docket No. 50-247  
LER-86-006-00

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Sirs:

The attached Licensee Event Report LER-86-006-00 is hereby submitted in accordance with the requirements of 10 CFR Part 50.73.

Very truly yours,



attach.

cc: Dr. Thomas E. Murley,  
Regional Administrator - Region I  
U. S. Nuclear Regulatory Commission  
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