Stephen B. Bram Vice President

Consolidated Edison Company of New York, Inc. Indian Point Station Broadway & Bleakley Avenue Buchanan, NY 10511 Telephone (914) 737-8116

September 30, 1992

Re: Indian Point Unit No. 2 Docket No. 50-247 LER 92-17-00

Document Control Desk US Nuclear Regulatory Commission Mail Station P1-137 Washington, DC 20555

The attached Licensee Event Report LER 92-17-00 is hereby submitted in accordance with the requirements of 10 CFR 50.73.

Very truly yours,

Attachment

cc: Mr. Thomas T. Martin Regional Administrator - Region I US Nuclear Regulatory Commission 475 Allendale Road King of Prussia, PA 19406

> Mr. Francis J. Williams, Jr., Project Manager Project Directorate I-1 Division of Reactor Projects I/II US Nuclear Regulatory Commission Mail Stop 14B-2 Washington, DC 20555

Senior Resident Inspector US Nuclear Regulatory Commission PO Box 38 Buchanan, NY 10511

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NRC FOR (6-89)	M 366				U.S. NUCLEAR I	EGULATOP	Y COMMISS		APPROVE	D OMB NO). 3150-010	14	
			LICENSEE EVE		ORT (LER)			INFORM COMME AND R REGUL THE P	ATED BURDEN PER MATION COLLECT INTS REGARDING E EPORTS MANAGEN ATORY COMMISSION APERWORK REDUIN NAGEMENT AND BU	ION REQU BURDEN E MENT BRA ON, WASHI CTION PRI UDGET, WA	ISE TO CO JEST: 50.0 STIMATE NCH (P-53 INGTON, 1 OJECT (31	9 HRS. FO TO THE RE 30), U.S. NU DC 20555, 150-0104), DN, DC 2059	RWARD ECORDS JCLEAR AND TO OFFICE 03.
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ABSTRAC			i.e., approximately fifteen			•				- F - h - h	_		
			he prelimina Feedwater Sy	-		-		-					
i i		-	1992, that				-						
	Pro	tection	Switch was	noncons	servative:	Ly hig	h and	would ha	ave result	ed in	n		
			oth motor-di	-	-		-		-			•	
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US. (689) LICENSEE EVENT REPORT (TEXT CONTINUATION	NUCLEAR REGULATORY COMMISSION	APPROVED OMB NO. 3150-0104 EXPIRES: 4/30/92 ESTMATED BURDEN PER RESPONSE TO COMPLY WTH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO
		THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.
FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6) PAGE (3)
		NUMBER NUMBER
Indian Point Unit No. 2	0 5 0 0 0 2 4 7	9 2 - 0 1 7 - 0 0 0 2 ^{0F} 0 4
PLANT AND SYSTEM IDENTIFICATION:		
Westinghouse 4-Loop Pressurized W	Nater Reactor	
IDENTIFICATION OF OCCURRENCE:		
Re-evaluation of the Auxiliary Fe	eedwater System Seis	mic Design Bases
EVENT DATE:		
August 31, 1992		
REPORT DUE DATE:		
September 30, 1992		
REFERENCES :		
Significant Occurrence Report (Se	DR) 92-425	
PAST SIMILAR OCCURRENCE:		
None		
DESCRIPTION OF OCCURRENCE:		
On August 31, 1992, the prelimina Auxiliary Feedwater (AFW) system the existing low suction pressur- pumps would trip on a seismically interconnected with the suction signal. The re-evaluation was the model used in the previous seism the present low suction pressure for the seismic design bases of	seismic break analy e switch setpoint, b y induced break of t line and a concurren he result of changes ic break analysis an switch setpoint pro	sis indicated that, with oth motor-driven AFW he non-seismic line t demand-to-start made to AFW system d a need to ensure that
ANALYSIS OF OCCURRENCE:		
As a result of a Technical Evalu Indian Point Unit 3, Indian Poin seismic design of the AFW System for the Indian Point Unit 2 AFW non-seismic condensate line to t	t 2 was requested to . On December 1, 198 system based on a pi	address an issue in the 6, the NRC issued a SER pe failure of the

pumps suction line. This seismic induced failure was evaluated with the concurrent random single failure of the seismic isolation valve, LCV-1158,

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NRC FORM 366A	U.S. NUCLEAR REGULATORY COMMISSION	
6.89)	•	APPROVED OMB NO. 3150-0104 EXPIRES: 4/30/92
LICENSEE EVENT REPOR	₹T (LER)	ESTIMATED BURDEN PER RESPONSE TO COMPLY WTH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD
TEXT CONTINUATIO	N	COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO
· <u> </u>		THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.
ACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6) PAGE (3)
· · · ·		YEAR SEQUENTIAL REVISION NUMBER NUMBER
Indian Point Unit No. 2	0 5 0 0 2 4 7	9 2 - 0 1 7 - 0 0 3 OF 0 4
EXT (If more space is required, use additional NRC Form 366A's) (17) ANALYSIS OF OCCURRENCE: (conti	nued)	
to automatically close. A thi		-
operator action to manually cl Condensate Storage Tank (CST)		
Residual Heat Removal (RHR) cu		_
motor-driven pump low suction	-	-
device with a time delay which		
line.		
In 1997 the flow measuring de	wige was shanged to a	
In 1987, the flow measuring de device because of problems rel		
Qualification of the device wh		
maintenance activities. The s		
determined by the use of a ste		
considered acceptable because	the margin between the	analyzed suction pipe
pressure and the setpoint pres		
the transitory dynamic effect		
full flow and the resultant st	eady state suction pre	ssure from both pumps
delivering their full flow.		
In April 9, 1990, the break an	alysis was redone for	the Stretch Power Rating
of 3071.4 MWt and the higher s		
F. The system was analyzed us		
for the higher decay heat load		
capability, and the higher sys		
pressure switch setpoint. The adequately meet the December 1		lant continued to
adequately meet the becember 1	., 1900 NKC SER.	
As a result of a plant transie	ent trip event on April	13, 1992 (LER #92-007),
a new hotwell condensate line	interaction scenario (non-seismic) was found
to exist which with an indepen		
pumps, resulted in actuation o		
model was further refined to a		
both changes in the static and data from the April 13, 1992 e		
remodeling due to changes in A		-
After the model was finalized		
seismic break analysis was re-		
pump suction pressure switch s		
1992, the analysis was reverif		
pressure switch setpoints cont		
reduced margin of the results,		
the pumps start-up conditions	were determined to be	warranted.

TEXT CONTINU	JATION	INFORMATION COLLECTION REQUEST: 50.0 HRS. FOI COMMENTS REGARDING BURDEN ESTIMATE TO THE RE AND REPORTS MANAGEMENT BRANCH (P.530), U.S. NU REGULATORY COMMISSION, WASHINGTON, DC 20555, J THE PAPERWORK REDUCTION PROJECT (3156-0104), OF MANAGEMENT AND BUDGET, WASHINGTON, DC 2050		
ITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6) PAGE		
		YEAR SEQUENTIAL REVISION NUMBER NUMBER		
dian Point Unit No. 2	0 5 0 0 0 2 4	7 9 2 - 0 1 7 - 0 0 0 4 0F		
If more space is required, use additional NRC Form 366A's) (17) ANALYSIS OF OCCURRENCE: (
On August 31, 1992, the p model, static and dynamic acceleration would result respective pumps for the This condition was determ	preliminary results indicat momentary pressure drops in both suction pressure seismic design basis event nined to be outside the pla ing submitted under the pro	induced by pump switches tripping their t of the AFW system. ant design basis.		
CAUSE OF OCCURRENCE:				
drag make-up line fully o the AFW system modeling t new model, a re-evaluatio engineering analysis for validity of the existing On August 31, 1992, preli would result in the low s for a design basis earthq	on of the most recent design the AFW system was perform low suction pressure setpon minary results indicated to suction pressure switches to puake that induced a pipe for e-up line concurrent with a	e event led to refining ion. After finalizing the gn basis seismic break med to ascertain the pint. that the existing setpoint tripping both AFW pumps failure in the non-seismic		
CORRECTIVE ACTION:				
Storage Tank until the se switches was reduced to a	and tested for both pumps	pressure protection margin to pump trip. The		