

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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①		N	Y	I	P	S	2	②	0	0	-	0	0	0	0	0	0	-	0	0	③	4	1	1	1	1	④					⑤
8	9	LICENSEE CODE						14	15	LICENSE NUMBER										25	26	LICENSE TYPE					30	57	CAT	58		

①		R	E	P	O	R	T	⑥	L																																					
8		REPORT SOURCE		60	61	DOCKET NUMBER										68	69	EVENT DATE					74	75	REPORT DATE					80																

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

② During normal operation, chemical sampling indicated a 13.15% concentration of Boric Acid in No. 22 Boric Acid Storage Tank. A controlled shutdown was initiated in accordance with Tech. Spec. 3.2.C. since No. 21 Boric Acid Transfer pump was also out of service for maintenance. The health and safety of the public were unaffected.

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⑥ Previous LER's 76-2-7, 76-2-28

		SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE																		
⑧	⑨	P	C	X	X	A	C	C	U	M	U	Z	Z												
		9	10	11	12	13	18	15	20																

⑭		LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.									
17	8	2	8	2	0	3	9	0	3	L	0								
21	22	23	24	26	27	28	29	30	31	32									

		ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER									
		E	Z	B	A	0	0	0	1	Y	N	N	Z	9	9	9			
33	34	35	36	37	40	41	42	43	44	47									

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ⑳

⑭ No. 22 B.A.S.T. contents were diluted and resampled with an acceptable concentration of 12.2% boric acid. The shutdown was terminated. The boric acid transfer pump was repaired and returned to service within the allowable time limit.

		FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION													
⑮	E	0	8	7	B	Chemistry sample													
8	9	10	12	13	44	45	46	80											

		ACTIVITY CONTENT RELEASED OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE														
⑯	Z	Z	NA	NA														
8	9	10	11	44	45	80												

		PERSONNEL EXPOSURES	NUMBER	TYPE	DESCRIPTION													
⑰	0	0	0	Z	NA													
8	9	11	12	13	80													

		PERSONNEL INJURIES	NUMBER	DESCRIPTION														
⑱	0	0	0	NA														
8	9	11	12	80														

		LOSS OF OR DAMAGE TO FACILITY	TYPE	DESCRIPTION														
⑲	Z	NA																
8	9	10	12	80														

		PURCHASER	ISSUED DESCRIPTION	8210250149	821012	NRC USE ONLY													
⑳		NA	S	PDR	ADOCK	05000247	PDR												
8	9	10						68	69	80									

Attachment

Docket No. 50-247
LER 82-039/03L-0

Consolidated Edison Co. of N.Y., Inc.
Indian Point Station, Unit 2

During normal operation, routine chemical sampling indicated a 13.15% concentration of Boric Acid in No. 22 Boric Acid Storage Tank (BAST). Technical Specification 3.2.B.3 requires the boric concentration to remain between 11.5% and 13% by weight at a temperature greater than 145°F. Since No. 21 Boric Acid Transfer Pump was also out of service for maintenance a controlled shutdown was initiated which lasted approximately one hour until the concentration in No. 22 Boric Acid Storage Tank was brought within the specification.

In order to reach cold shutdown at any time during core life, the quantity of the Boric Acid in the affected storage tank is sufficient to borate the reactor coolant. An upper concentration limit of 13% boric acid in the Boric Acid Storage Tank is specified to maintain solution solubility at the specified low temperature limit of 145°F. The measured 13.15% concentration was within solubility limits for the existing tank temperature.

The No. 21 Boric Acid Transfer Pump was out of service for maintenance. The mechanical seal was leaking and when the pump was disassembled it was decided to rebuild the pump. The shaft, bearings and O-rings were replaced as a preventative measure in addition to the mechanical seal. The pump was returned to service within the specified time allowance after satisfactory test results. Pump Data: Gould Model 3196-STD.