

## LICENSEE EVENT REPORT

(CAR 1251)

CONTROL BLOCK: 1 2 3 4 5 6 ①

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	Y	R	E	G	1	2	0	0	-	0	0	0	0	-	0	0	3	4	1	1	1	1	4		5	
7	8	9	LICENSEE CODE						14	15	LICENSE NUMBER						25	26	LICENSE TYPE				30	57 CAT 58				

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0	1	L	6	0	5	0	0	0	2	4	4	7	1	2	1	7	7	9	8							9
7	8	REPORT SOURCE		60	61	DOCKET NUMBER						68	69	EVENT DATE				74	75	REPORT DATE				80		

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

⑩ Upon routine analysis of samples of the boric acid storage tanks, concentrations were found to be below the minimum 12% boric acid, at 10.2% and 10.1%. (T.S. 3.2.3.c). This event is similar to those reported in LER's 79-009 and 79-010. Reactor power reduction procedures were implemented until required concentrations were achieved.

0	9	P	C	11	E	12	X	13	V	A	L	V	E	X	14	E	15	D	16	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
LER/RO REPORT NUMBER		EVENT YEAR		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER																				
79		79		E		X		VALVE				E		D		024		01		X		1		X		B		B		A		0047		Y		Y		A		A200																				

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ⑳

⑳ Backflow of refueling water through BA tank outlet MOV's. Initially manual valve in BA supply line was closed, sample frequency increased to every 12 hours. Further investigation showed problem was eliminated when BA tank outlet MOV's 826 B & D were closed and 826 A & C were opened. Inspection/maintenance of these valves (Aloyco Inc. 8" 150 lb ss bolted bonnet gate) planned for annual refueling maintenance shutdown.

1	5	F	28	0	0	3	29	NA	30	B	31	Sample Analysis	32	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION		ACTIVITY CONTENT		RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE		PERSONNEL EXPOSURES NUMBER		TYPE		DESCRIPTION		PERSONNEL INJURIES NUMBER		DESCRIPTION		LOSS OF OR DAMAGE TO FACILITY TYPE		DESCRIPTION		PUBLICITY		ISSUED DESCRIPTION		NAME OF PREPARER		PHONE		NRC USE ONLY																	
F		003		NA		B		Sample Analysis		Z		Z		NA		NA		000		Z		NA		000		NA		Z		NA		N		T. Schuler		8002190		506																			

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Rochester Gas And Electric Corporation  
R.E. Ginna Nuclear Power Plant, Unit No. 1  
Docket No. 50-244

On December 17, 1979, at approximately 1340 hours the Shift Supervisor was notified of the chemical analysis which indicated that both the "A" and the "B" boric acid storage tanks contained 10.2% and 10.1% wt-% boric acid solution respectively. An orderly power reduction was completed at 1405 hours and batching operations were initiated to restore the tanks to the required specifications. On December 19 at approximately 1015 hours the tanks were brought within specifications. To ensure proper sampling and recirculation without solution stratification additional samples were taken at several elevations inside the tanks. Analysis of all samples showed proper correlation with the normal samples. In addition, reagents used in the sample analysis were checked and found to be proper.

To check for the possibility of back flow of reactor makeup water from the reactor makeup water storage tank through the blender and the blender boric acid supply check valve, a manual valve in the boric acid supply line was closed. This was the same action which was taken for the event reported as LER 79-010. The tank sampling frequency was increased to once every twelve hours. Replacement of the suspect check valve with a more suitable style check valve and/or changing the logic of the automatic flow control valve to allow it to remain closed when not blending is currently being reviewed by the Engineering Department (EWR 2460). It was decided that until such time as a new check valve can be procured and installed and/or the logic change for the flow control valve is provided, the manual valve would remain closed, except during blending.

It was soon determined that dilution was continuing, and further investigation indicated leakage from the RWST through one of the closed boric acid tank outlet MOVs 826A or 826C. The outlet MOVs 826B and D were closed and the MOVs 826A & C were opened. This was found to stabilize tank concentrations and indicated that the leakage had stopped. At this point it was no longer necessary to keep the boric acid supply manual valve open, and it has been opened. Sampling frequency has been decreased to once per day. Inspection and any needed maintenance of the boric acid tank outlet MOVs is planned for the 1980 Annual Refueling Maintenance Shutdown.

10-10-10

