

(7-77)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

0	1																																								
7	8																																								

REPORT SOURCE

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

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	7		
0	8		

0 9		SYSTEM CODE A B		11	CAUSE CODE B		12	CAUSE SUBCODE A				13	COMPONENT CODE E N G I N E				14	COMP. SUBCODE Z		15	VALVE SUBCODE Z		16			
7	8	9	10		11		12					13				14		15		16						
17		LER'RO REPORT NUMBER		EVENT YEAR 7 9		21	22	SEQUENTIAL REPORT NO. 0 2 0		24	26	OCCURRENCE CODE 0 3		28	29	REPORT TYPE L		30	REVISION NO. 0		32					
ACTION TAKEN B		18	FUTURE ACTION F		19	EFFECT ON PLANT Z		20	SHUTDOWN METHOD Z		21	HOURS 0 0 0 0		22	ATTACHMENT SUBMITTED Y		23	NPRD-4 FORM SUB. N		24	PRIME COMP. SUPPLIER A		25	COMPONENT MANUFACTURER W 0 5 9		26
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

7	8	9											80		
FACILITY STATUS			% POWER			OTHER STATUS			METHOD OF DISCOVERY			DISCOVERY DESCRIPTION			80
1	5	G	0	0	0	NA	B	Operator Observation						80	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	80	

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0					
			(37)						
			(38)	NA					

1 9 Z (42) NA 7907240353

2		0		Z		44		DESCRIPTION		NA		68		69		70		71		72		73		74		75		76		77		78		79		80	
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NAME OF PREPARER

R. B. Starkey, Jr.

PHONE: (803) 383-4524

Licensee Event Report 79-20  
Serial:RSEP/79-736  
July 9, 1979

SUPPLEMENTAL INFORMATION  
FOR  
LICENSEE EVENT REPORT 79-20

1. Cause Description and Analysis:

The solenoid operated fuel "shut off" valve on the engine driven fire pump (EDFP) failed to close properly due to small particles of foreign material between the valve seating surfaces. This caused a large formation of ice on the fuel vaporizer which prevented it from performing its function. The inadequate vaporization of the fuel caused the EDFP's failure to start. The EDFP is an equal capacity (2500 gpm) backup to the motor driven fire pump (MDFP). During the time that the EDFP was out of service, the MDFP was operable. This occurrence, therefore, did not jeopardize the capability of this system to provide its water suppression function.

2. Corrective Action:

The solenoid valve was removed, disassembled, and inspected by one of the maintenance personnel. The inspection revealed small particles of foreign material located between the valve seating surfaces. These surfaces were cleaned and the valve was reassembled and reinstalled. The EDFP was test operated with satisfactory results and declared back in service at 1815 hours on June 25, 1979.

3. Corrective Action to Prevent Further Occurrence:

Due to this occurrence and the similar occurrence reported in LER No. 79-10, we are investigating a possible modification of the fuel system. This modification would involve the relocation of the "in line" fuel filter to a position upstream of the fuel shut off valve. We feel that this would prevent any further occurrences of this nature.