

LICENSEE EVENT REPORT

CONTROL BLOCK: [] [] [] [] [] [] []

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	M	I	C	C	1	2	0	0	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		59

CON'T

0	1	REPORT SOURCE		L	6	0	5	0	0	0	3	1	5	7	0	6	0	5	8	1	8	0	7	0	3	8	1	9		
7	8			60	61	DOCKET NUMBER										68	69	EVENT DATE					74	75	REPORT DATE					80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | DURING SURVEILLANCE TESTING IN MODES 5 AND 6, IT WAS DISCOVERED THAT THREE 4KV BUS
0 3 | DEGRADED GRID VOLTAGE RELAYS HAD EXCEEDED THE TOLERANCE ALLOWED BY TECHNICAL SPECIFI-
0 4 | CATION TABLE 3.3-4 ITEM 8.b AND THAT EIGHT 4KV BUS LOSS OF VOLTAGE RELAYS HAD EXCEEDED
0 5 | THE TOLERANCE ALLOWED BY TECHNICAL SPECIFICATION TABLE 3.3-4 ITEM 8.a. PREVIOUS
0 6 | OCCURRENCES INCLUDE: 50-316/81-15.
0 7 |
0 8 |

SYSTEM CODE I B 11		CAUSE CODE E 12		CAUSE SUBCODE A 13		COMPONENT CODE RELAY X 14		COMP. SUBCODE D 15		VALVE SUBCODE Z 16	
LER/RO REPORT NUMBER 8 1 17		EVENT YEAR 8 1 21 22		SEQUENTIAL REPORT NO. 0 1 7 24 26		OCCURRENCE CODE 0 3 28 29		REPORT TYPE L 30		REVISION NO. 0 32	
ACTION TAKEN E 18 32		FUTURE ACTION X 19 34		EFFECT ON PLANT Z 20 35		SHUTDOWN METHOD Z 21 36		HOURS 0 0 0 0 22 37 40		ATTACHMENT SUBMITTED Y 23 41	
NPRD-4 FORM SUB. Y 24 42		PRIME COMP. SUPPLIER N 25 43		COMPONENT MANUFACTURER G 0 8 0 26 44 47							

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 INVESTIGATION REVEALED THAT THE DEGRADED GRID VOLTAGE RELAYS ACTUATED AT THE FOLLOWING

1 1 VOLTAGES; RELAY 27-T11A-2 AT 3577 VOLTS, RELAY 27-T11D-1 AT 3626 VOLTS AND RELAY

1 2 27-T11D-2 AT 3710 VOLTS. THESE VOLTAGES EXCEEDED THE TOLERANCE ALLOWED BY TECHNICAL

1 3 SPECIFICATION OF 3596 VOLTS PLUS OR MINUS 18 VOLTS. THE DIESEL START AND LOAD SHEDDING

1 4 RELAYS ACTUATED AT THE FOLLOWING VOLTAGES; RELAY 27-T11A AT 3175 VOLTS, RELAY

1 5 FACILITY STATUS H 28 % POWER 0 0 0 29 OTHER STATUS: NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION 32 SURVEILLANCE TEST

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 7 8 9 10 11

2 3 4 5 6 7 8 9 10 11

AMOUNT OF ACTIVITY (35)

NA

LOCATION OF RELEASE (36)

NA

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
000	Z	NA

PERSONNEL INJURIES		DESCRIPTION	
NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
1	0	40	NA

1		2		3		4		5		6		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		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100	
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PUBLICITY
ISSUED DESCRIPTION (45)
[2][0] [N] (44) NA

NRC USE ONLY

SUPPLEMENT TO LER #81-017/03L-0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (cont.)

27-3T11A AT 3238 VOLTS, RELAY 27-2T11B AT 3164, RELAY 27-3T11B AT 3220 VOLTS, RELAY 27-2T11C AT 3227 VOLTS, RELAY 27-3T11C AT 3234 VOLTS, RELAY 27-1T11D AT 3238 AND RELAY 27-3T11D AT 3105 VOLTS. THESE VOLTAGES EXCEEDED THE TOLERANCE ALLOWED BY TECHNICAL SPECIFICATION OF 3196 VOLTS PLUS OR MINUS 18 VOLTS. THE RELAYS WERE ADJUSTED TO WITHIN ALLOWABLE LIMITS. THESE RELAYS ARE MANUFACTURED BY GENERAL ELECTRIC, MODEL NGV13. AN ENGINEERING REVIEW IS IN PROGRESS TO EVALUATE THE TECHNICAL SPECIFICATION TOLERANCES AND TYPE OF RELAY USED.