

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CONTROL BLOCK:

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0	1	N	C	B	E	P	1	2	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 SB				

CON'T

REPORT SOURCE	L	6	0	5	0	-	0	3	2	5	7	0	1	1	8	8	2	8	0	2	1	6	8	2	9		
	60	61	DOCKET NUMBER										68	EVENT DATE						74	REPORT DATE						80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 | Routine surveillance during plant operation revealed that drywell equipment drain
0 3 | (DWED) flow integrator, 1-G16-FQ-K603, was continuously indicating DWED sump flow
0 4 | with no DWED pumps running. The DWED flow integrator was declared inoperable in
0 5 | accordance with technical specifications. At the time of this event, the drywell
0 6 | floor drain flow integrator was operable showing expected indications. A similar
0 7 | event was reported in LER 2-81-67. This event did not affect the health and safety
0 8 | of the public. Technical Specifications 3.4.3.1b, 6.9.1.9b

7 8 9 10 11 12 13 14 15 16 17 18 19 20

0 9

SYSTEM CODE C I 11

CAUSE CODE E 12

CAUSE SUBCODE E 13

COMPONENT CODE I N S T R U 14

COMP. SUBCODE T 15

VALVE SUBCODE Z 16

(17) LER/RO REPORT NUMBER 8 2
 EVENT YEAR 21 22 23
 SEQUENTIAL REPORT NO. 0 0 1
 OCCURRENCE CODE 0 3
 REPORT TYPE 1
 REVISION NO. 0

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
E	18	F	19	Z	21	0 0 0 0	Y	23	N	5
33	34	35	36	37	40	41	42	43	44	47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The integrator square root converter, 1-G16-FY-K602, Model No. 565, and flow trans-

1 1 | mitter, 1-G16-FT-N013, Model No. 555, were out of calibration, causing the erroneous

1 2 | flow indications. K602, N013, and K603 were calibrated and returned to service.

1 3 | In order to improve the reliability of K603, a modification to install a vortex type

1 4 | flowmeter in place of N013 will be installed.

FACILITY STATUS (1 5) (E) (28) % POWER (0 9 9) (29) OTHER STATUS (30) NA METHOD OF DISCOVERY (A) (31) DISCOVERY DESCRIPTION (32) Operator Surveillance

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 2 3 33 34 35

7 8 9 10 11

AMOUNT OF ACTIVITY

NA

44

LOCATION OF RELEASE

45 NA 80

PERSONNEL EXPOSURES									
NUMBER			TYPE		DESCRIPTION				
1	2		0	0	0	(37)	Z	(38)	NA
7	8	9	10	11	12	13	14	15	16

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	2	0	0	0	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	
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	

PUBLICITY

ISSUED 2 0 44

7 8 9 N

8203080373 820216
PDR ADOCK 05000325
S PDR

NA

68 69

NRC USE ONLY

PHONE: (919) 457-9521

Facility: BSEP Unit No. 1

Event Date: January 18, 1982

Routine operator surveillance during plant operation revealed that the drywell equipment drain (DWED) sump flow integrator, 1-G16-FQ-K603, General Electric Model No. 561, was showing indication of sump pump flow although no DWED pumps were running. Troubleshooting revealed that the integrator was functioning out of calibration tolerances and showing erroneous indications. This occurred because the integrator square root converter and flow transmitter were both functioning out of calibration tolerances with each failure attributed to instrument drift.

The integrator square root converter, 1-G16-FY-K602, General Electric Model No. 565 and the integrator flow transmitter, 1-G16-FT-N013, General Electric Model No. 555, were calibrated along with the integrator. The integrator was then observed for proper operation and was declared operable and returned to service.

Due to several past similar events involving the drywell equipment drain and floor drain integrating systems on both units, a plant modification has been developed. The major objective of this modification will be to eliminate the transmitter utilized in the present integrator system and replace it with a flow meter. It is felt that this will help in the prevention of similar events. Presently, a target date for installation and completion of this modification has not been established.