

## LICENSEE EVENT REPORT

CONTROL BLOCK: 

1	2	3	4	5	6
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 (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

CON'T

0	1	L	6	0	5	0	-	0	3	2	4	7	0	3	1	8	8	2	8	0	4	1	5	8	2	9
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7 8 60 61 DOCKET NUMBER 63 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During plant operation with an inerted primary containment, primary containment

0 3 atmospheric hydrogen analyzer, 2-CAC-AT-1263-1, indicated a 0% to 1.8% change in

0 4 hydrogen concentration in the drywell. On 3-25-82 a 3% hydrogen concentration change

0 5 was observed. In each case the redundant analyzer, 2-CAC-AT-1259-1, indicated a

0 6 normally expected 0% hydrogen concentration in the drywell. This event did not

0 7 affect the health and safety of the public.

0 8 Technical Specifications 3.3.5.3, 3.6.6.4, 6.9.1.9b

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0	9	S	E	11	E	12	F	13	I	N	S	T	R	U	14	X	15	Z	16
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7 8 9 10 11 12 13 14 15 16 17 18 19 20  
17 LER/RO REPORT NUMBER 21 EVENT YEAR 22 8 2 23 24 0 5 1 25 26 27 28 0 3 29 30 L 31 32 0 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The 1263-1 analyzer output signal coarse span adjustment potentiometer, R3, and coarse

1 1 zero adjustment potentiometer, R5, were both erratic due to dirty contacts. In each

1 2 case, both potentiometers were disassembled and cleaned. The 1263-1, Model No.

1 3 7C6A-1A3AX, was then calibrated and returned to service.

1 4

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1	5	E	28	0	8	3	29	NA	A	31	Operator Surveillance	32
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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

1	6	Z	33	Z	34	NA	NA	NA	NA	36
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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  
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

1	7	0	0	0	37	Z	38	NA	NA	39
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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  
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

1	8	0	0	0	40	NA	NA	NA	NA	41
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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  
PERSONNEL INJURIES NUMBER DESCRIPTION

1	9	Z	42	NA	NA	NA	NA	NA	NA	43
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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  
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

2	0	N	44	8204280370	NA	NA	NA	NA	NA	45
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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  
ISSUED DESCRIPTION PUBLICITY

NAME OF PREPARER M. J. Pastva, Jr.

PHONE: 919-457-9521

NRC USE ONLY

LER ATTACHMENT - RO #2-82-51

Facility: BSEP Unit No. 2

Event Date: 3/18/82

Troubleshooting of the 1263-1 analyzer instrumentation revealed the erroneous indications were due to erratic operation of analyzer output signal potentiometers R3 and R5. R3 is the hydrogen analyzer instrument output signal coarse span adjustment potentiometer and R5 is the analyzer output signal coarse zero adjustment potentiometer. Following each event, R3 and R5 were disassembled and cleaned to remove developed oxidation on the devices' internals, calibrated and returned to service.

During regular calibration of the 1259-1 and 1263-1 analyzers, R3 and R5 are not adjusted. These potentiometers are factory adjusted. When this type of potentiometer, wire wound, is left unadjusted for long periods of time, oxidation of the device internals or a burned area between the device wiper and resistor can occur which causes erratic changes in the device's resistance.

As a result of these events, new R3 and R5 hydrogen analyzer potentiometers will be ordered and installed following their receipt from the manufacturer.