

# LICENSEE EVENT REPORT

CONTROL BLOCK: \_\_\_\_\_ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | N C B E P 2 | 0 0 0 - 0 0 0 0 0 0 - 0 0 | 3 4 1 1 1 1 | 4 | 5  
7 8 9 14 15 25 26 30 57 CAT 58

CON'T  
0 1 | REPORT SOURCE | L | 0 5 0 - 0 3 2 4 | 7 | 1 0 0 4 | 8 2 | 8 | 1 1 0 3 8 2 | 9  
7 8 60 61 68 69 74 75 80

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During plant operation, routine surveillance revealed that primary containment atmos-  
0 3 | phere oxygen analyzer, 2-CAC-AT-1263-2, indicated an abrupt upscale change, from 3-6%,  
0 4 | in drywell oxygen concentration. At the time of this discovery redundant instrument,  
0 5 | 2-CAC-AT-1259-2 was indicating an expected trend in drywell oxygen concentration.  
0 6 | This event did not affect the health and safety of the public.  
0 7 | \_\_\_\_\_  
0 8 | \_\_\_\_\_  
0 9 | \_\_\_\_\_  
7 8 9

0 9 | SYSTEM CODE | CAUSE CODE | CAUSE SUBCODE | COMPONENT CODE | COMP. SUBCODE | VALVE SUBCODE  
7 8 9 10 11 12 13 18 19 20

17 | LER/RO REPORT NUMBER | 8 2 | 21 22 | SEQUENTIAL REPORT NO. | 1 1 5 | 24 26 | OCCURRENCE CODE | 0 3 | 27 29 | REPORT TYPE | L | 30 31 | REVISION NO. | 0 | 32

ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPRD-4 FORM SUB. | PRIME COMP. SUPPLIER | COMPONENT MANUFACTURER  
18 | C | 19 | Z | 20 | Z | 21 | 0 0 0 0 | 37 40 | Y | 23 | 41 42 | N | 25 | 43 44 | B 1 3 5 | 26 47

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The 1263-2 analyzer indication change was caused by an output shift in the analyzer  
1 1 | electromagnetic resulting from excessive moisture accumulation in the unit. The  
1 2 | analyzer electromagnetic unit and sample flow air dryer were replaced and following  
1 3 | calibration of the analyzer, Model No. F3M3, it was returned to service exhibiting  
1 4 | expected indications.  
7 8 9

1 5 | FACILITY STATUS | E | 28 | 7 8 9 | % POWER | 0 3 4 | 29 | 10 12 13 | OTHER STATUS | NA | 30 | 44 | METHOD OF DISCOVERY | A | 31 | 45 46 | DISCOVERY DESCRIPTION | Operator Surveillance | 32 | 80

1 6 | ACTIVITY CONTENT | Z | 33 | 7 8 9 | RELEASED OF RELEASE | Z | 34 | 10 11 | AMOUNT OF ACTIVITY | NA | 35 | 44 | LOCATION OF RELEASE | NA | 36 | 45 80

1 7 | PERSONNEL EXPOSURES | 0 0 0 | 37 | 7 8 9 | TYPE | Z | 38 | 11 12 | DESCRIPTION | NA | 39 | 13 80

1 8 | PERSONNEL INJURIES | 0 0 0 | 40 | 7 8 9 | DESCRIPTION | NA | 41 | 11 12 80

1 9 | LOSS OF OR DAMAGE TO FACILITY | Z | 42 | 7 8 9 | TYPE | NA | 43 | 10 80

2 0 | PUBLICITY ISSUED | N | 44 | 7 8 9 | DESCRIPTION | NA | 45 | 10 80

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PDR ADOCK 05000324  
S PDR

NRC USE ONLY

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LER ATTACHMENT - RO #2-82-115

Facility: BSEP Unit No. 2

Event Date: October 4, 1982

This event occurred as a result of moisture accumulation in the electromagnetic unit of the 1263-2 CAC analyzer. An inspection of the analyzer components revealed an irreparable freon leak in the analyzer air dryer heat exchanger along with malfunctioning of the air dryer blowdown circuitry combined to allow excess sample flow moisture buildup to occur in the electromagnetic unit. The air dryer blowdown circuitry problem was attributed to a shorted power lead within the circuitry.

Due to excessive moisture buildup in electromagnetic unit it could not be adjusted sufficiently and was replaced. In addition, the air dryer unit was replaced along with the shorted power lead in the air dryer blowdown circuitry. Following removal of the accumulated moisture in the analyzer piping the electromagnetic unit was properly adjusted and the analyzer, Beckman Instruments, Incorporated, Model No. F3M3, was calibrated and returned to service.

As presently designed, the CAC-1259 and 1263 analyzer sample piping configuration on both units permits excess moisture to build up in the piping. This excess moisture then accumulates in the monitor components, and if not removed causes decreased sample flows and resultant problems with components of the analyzers.

Due to a history of similar events involving moisture and instrument drift problems, a plant modification has been developed to replace these type monitors with others of a more reliable design. In addition, the sample piping to these monitors will also be modified to eliminate the sample flow moisture problem.