

LICENSEE EVENT REPORT

U. S. NUCLEAR REGULATORY COMMISSION
Attachment to AECM-82/404
Page 1 of 2

CONTROL BLOCK: 1 2 3 4 5 6 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 M S G G S 1 2 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
LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CON'T
0 1 L 6 0 5 0 0 0 4 1 6 7 0 8 0 6 8 2 8 0 9 1 3 8 2 9
7 8 60 61 68 69 74 75 80
REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 Early indication by the fire detection system covering the HPCS D/G room and fresh
0 3 air corridor progressed into the alarm state and would not clear. Investigation
0 4 revealed no fire or smoke in the area. This area is covered by an automatic fire
0 5 protection system, therefore, the only loss was early fire indication in the
0 6 Control Room.
0 7
0 8

0 9 A B 11 X 12 Z 13 I N S T R U 14 E 15 Z 16
9 10 11 12 13 18 19 20
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
17 8 2 0 5 0 9 9 X 0
21 22 23 24 26 27 28 29 30 31 32
LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
B 18 F 19 Z 20 Z 21 0 0 0 0 Y 23 N 24 A 25 H 2 6 0 26
33 34 35 36 37 40 41 42 43 44 47
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 ionization detectors were cleaned and placed back in service. This particular
1 1 alarm has been experienced previously in the construction and startup program and
1 2 was always due to dust or particles on the ionization detectors. A Design Change
1 3 Request has been submitted to replace these detectors with flame detectors which are
1 4 not sensitive to dust or dirt.

1 5 G 28 0 0 0 29 NA A 31 Control Room Alarm 32
7 8 9 10 12 13 44 45 46 80
FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION
1 6 Z 33 Z 34 NA NA NA 36
7 8 9 10 11 44 45 80
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE
1 7 0 0 0 37 Z 38 NA 39
7 8 9 10 11 12 13 80
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
1 8 0 0 0 40 NA 41
7 8 9 10 11 12 80
PERSONNEL INJURIES NUMBER DESCRIPTION
1 9 Z 42 NA 43
7 8 9 10 80
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
2 0 Z 44 NA 45
7 8 9 10 80
PUBICITY DESCRIPTION
8209200318 820915
PDR ADOCK 05000416
S PDR
NRC USE ONLY
68 69 80

NAME OF PREPARER Original Signed by D. L. Pace

PHONE

Supplementary Information to
LER 82-050/99 X-0

Licensee: Mississippi Power & Light Company
Facility: Grand Gulf Nuclear Station - Unit 1
Docket No.: 50-416

On August 6, 1982, the fire detection zone 2-10 went into an alarm condition and would not clear. A fire watch was established by operations. This condition has been encountered several times since the system was placed into service. Zone 2-10 includes the flame detectors in the HPCS D/G rooms and the ionization smoke detectors in the corridor between the D/G building and the Auxiliary building. Each time this zone has gone into an alarm condition and would not clear it was found that the ionization detector needed to be cleaned. Investigation revealed that diesel exhaust fumes are drifting into the corridor and contaminating the ionization detector. For this reason a design change request has been submitted to change the ionization detectors to flame detectors which are not sensitive to dust or fumes. Upon completion of the change out, a followup report will be submitted.