NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 | LICENSEE CODE: M D C C N 1 (2) | LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3) | LICENSE TYPE: 4 1 1 1 1 (4) | CAT (5)

CON'T 01 | REPORT SOURCE: L (6) | DOCKET NUMBER: 0 5 0 0 0 3 1 7 (7) | EVENT DATE: 0 8 0 2 8 2 (8) | REPORT DATE: 0 9 0 1 8 2 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operation at 0805, #12 ECCS pump room fan was removed
03 from service due to high noise and vibration and declared inoperable
04 (T.S. 3.7.7.1). Repairs were made to the unit and it was returned
05 to service at 1930, terminating the event. The redundant ECCS pump
06 room fan remained operable during the event.
07 Similar events: 50-317/82-18.
08

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
09	A A (11)	E (12)	B (13)	B L O W E R (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 2	—	0 4 3	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	N (23)	Y (24)	A (25)	T 2 6 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Investigation of excessive shaft vibration led to discovery of a
11 reduced shaft diameter inside the inner race of a roller bearing. A
12 new shaft was machined, installed with new bearings, and aligned.
13 Vibration has been effectively eliminated, and the unit is operating
14 normally. No further corrective action is necessary.

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

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
16	Z (33)	Z (34)	NA	NA

	PERSONNEL EXPOSURES NUMBER	TYPE	DESCRIPTION (39)
17	0 0 0 (37)	Z (38)	NA

	PERSONNEL INJURIES NUMBER	DESCRIPTION (41)
18	0 0 0 (40)	NA

	LOSS OF OR DAMAGE TO FACILITY (43) TYPE	DESCRIPTION
19	Z (42)	NA

8209130012 820901
PDR ADOCK 05000317
S PDR

	PUBLICITY ISSUED	DESCRIPTION (45)	NRC USE ONLY
20	N (44)	NA	

NAME OF PREPARER G. S. Pavis / D. Huseby PHONE: 301-269-4742/4803

LER NO. 82-43/3L
DOCKET NO. 50-317
LICENSE NO. DPR 53
EVENT DATE 08-02-82
REPORT DATE 09-01-82
ATTACHMENT

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (CONT'D)

At 1030 on April 6, 1982 during normal operation, #12 Emergency Core Cooling System (ECCS) Pump Room Exhaust Fan was removed from service (Reference: LER 82-18, Docket No. 50-317) to replace a suspect shaft bearing. Vibration in the blower was at that time thought to be due only to wear of the bearing in question. The bearing was replaced, and the fan was returned to service at 1605.

After a period of operation, excessive vibration was again noted in the blower and at 0805 on August 2, 1982 it was removed from service to investigate the cause (T.S. 3.7.7.1). It was discovered that the blower shaft had worn down to a reduced diameter in the area of the inner race of the bearing replaced in April. When the previous repair was made, there was no notice of any reduced shaft diameter, however, because the fan vibration never completely abated, it is now obvious that these two failures are related, both having been caused by the imbalance in the blower.

A new replacement shaft was machined and certified for Safety Related use, and was installed along with new shaft bearings. The blower was balanced, aligned, and returned to service at 1930 on August 2, 1982, the previously noted vibration having been eliminated. The unit has been added to our existing Vibration Monitoring program which will provide indication of any developing trends in the future.

We may expect no further problems in this area.