NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 | N J O C P 1 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | (5)

LICENSEE CODE 9-14 · LICENSE NUMBER 15-25 · LICENSE TYPE 26-30 · CAT 57-58

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 On August 15, 1980 and again on August 16, 1980, a limiting condition
03 for operation as per T.S.3.6.A.3 was exceeded when stack releases were
04 not continuously monitored due to failure of the stack gas sample system.
05 In both incidents, stack gas sample pump "B" tripped on thermal overload.
06 Sample pump "B" was returned to service after the first trip but after
07 the second trip, system operation was restored by placing pump "A" in
08 service. Gaseous releases to the stack were normal during the event.

09	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	B B (11)	X (12)	Z (13)	M O T O R X (14)	Z (15)	Z (16)

(17) LER RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 0	–	0 3 6	/	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
B (18)	F (19)	B (20)	A (21)	0 0 0 1	Y (23)	N (24)	N (25)	G 0 4 6 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of this event was a loose motor cooling fan on sample pump "B"
11 The stack gas sample pump filter was replaced and the motor cooling fan
12 was tightened. The installation of a new Radioactive Gaseous Effluents
13 Monitoring System, to be completed by January 1981, is expected to sub-
14 stantially improve the reliability of the Stack Gas Monitoring System.

15	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	E (28)	0 9 4 (29)	NA	A (31)	Operator observation

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

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

LOSS OF OR DAMAGE TO FACILITY (43)

19	TYPE	DESCRIPTION
	Z (42)	NA

PUBLICITY

20	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	Y (44)	NA	

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JCP&L / GPU

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OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/80-36/3L

Report Date

September 15, 1980

Occurrence Date

August 15, 1980

Identification of Occurrence

Exceeding a limiting condition for operations as per the Technical Specifications, paragraph 3.6.A.3, failure of the stack gas sample system to continuously monitor stack releases.

This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.b.(2).

Conditions Prior to Occurrence

The plant was operating at steady state power.

Plant parameters at the time of occurrence were:

Power:	Reactor, 1820 MWt
	Electrical, 590 MWe
Flow:	Recirculation 15.1 x 10^4 gpm
	6.64 x 10^6 lb/hr
Stack Gas Activity:	696 µCi/sec

Description of Occurrence

On Friday, August 15, 1980, at approximately 1730 hours a Stack Gas Sample Line Low Flow alarm was received in the control room. An operator was sent to investigate the problem. Subsequently, the "B" stack gas sample pump tripped at which time a reactor shutdown was commenced. The pump thermal overload protection was reset but the sample flow was still low. At 1834 hours, the pump filter was changed and the "B" pump returned to service at which time the sample flow returned to normal. At that time the reactor shutdown was terminated. At 0030 on August 16, the "B" stack gas sample pump tripped again on thermal overload. Upon investigation the "B" pump motor was found to be very hot. Subsequently, "A" stack gas sample pump was placed in service and system operation returned to normal.

Subsequent investigation revealed that the "B" pump motor cooling fan had become loose which was causing the motor to overheat due to insufficient cooling air flow.

Apparent Cause of Occurrence

The apparent cause of this occurrence was a loose cooling fan on the motor of sample pump "B". Overheating caused the pump to trip on thermal overload.

Analysis of Occurrence

A review of the stack gas radiation monitor recorder traces showed the levels in both monitor channels to be constant (at 200 cps) before and after this event. In a further effort to determine if excessive stack releases might have occurred during the time that both stack gas sample pumps were not operating, recorder traces of radiation monitoring systems associated with two gaseous streams released through the stack were reviewed. The reactor building ventilation exhaust radiation monitor recorder traces showed that the levels in both channels were relatively constant with no spiking during the time of this event. Also, the recorder trace for the Augmented Off Gas System effluent monitor showed that radiation levels were constant during the period involved. Based on these considerations, the safety significance of this event is considered minimal.

Corrective Action

The stack gas sample pump filter was replaced and the motor cooling fan was retightened. The installation of a new Radioactive Gaseous Effluents Monitoring System, to be complete by January 1981, is expected to substantially improve the accuracy and reliability of the Stack Gas Monitoring System.

Failure Data

Gast Manufacturing Company
Model 2-065-V2
Serial #67-154906