LICENSEE EVENT REPORT

CONTROL BLOCK: [ ] (1–6) (PLEASE PRINT ALL REQUIRED INFORMATIC

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	NJOCP1 (7–14)	00-00000-00 (15–25)	4111 (26–30)	03 (31–32)

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 CONT	[ ] (57–58)	L (59)	L (60)	050-0219 (61–68)	072776 (69–74)	081777 (75–80)

EVENT DESCRIPTION

02 While performing surveillance on five Electromatic Relief Valve Switches, 1A83B trippe
03 at 1100 psig. This valve was in excess of the allowable 1084 psig. This is a
04 repetitive occurrence as previously discussed in Supplement #8 to the Application for
05 a Full Term License (50-219-76-20-3L).
06

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	SH (10)	E (11)	CKTBRK (12–17)	N (43)	D243 (44–47)	Y (48)

CAUSE DESCRIPTION

08 The 1A83B pressure switch was found to be 16 psig over the maximum allowable trip point
09 of 1084 psig. The trip point was immediately reset to 1084 psig. Dresser type 1539VX,
10 Ser. No. BK3339.

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	H (9)	000 (10–12)	N/A (13–44)	B (45)	Surevillance On (46)

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z (9)	0 (10)	N/A (11–44)	N/A (45)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	000 (9–11)	Z (12)	N/A (13)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	000 (9–11)	N/A (12)

15 Probable Consequences — N/A

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z (9)	N/A (10)

PUBLICITY

17 N/A

ADDITIONAL FACTORS

18 N/A

19

Jersey Central Power & Light Company

MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 201-539-6111

MEMBER OF THE General GPU ELECTRIC POWER COMPANIES SYSTEM Public Utilities Corporation

OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/76-20-3L

Report Date

August 17, 1976

Occurrence Date

July 27, 1976

Identification of Occurrence

Violation of the Technical Specifications, paragraph 2.3.4, Electromatic Relief Valve Pressure Switch 1A83B was found to trip at a pressure in excess of the maximum allowable value of 1070 psig. This event is considered to be a 30-day reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.b.1.

Conditions Prior to Occurrence

The reactor mode switch was in the "Refuel" position with the reactor coolant less than 212°F.

Description of Occurrence

On Friday, July 27, 1976, while performing surveillance on the five Electromatic Relief Valve Pressure Switches, it was found that 1A83B tripped at 1100 psig. This value is in excess of the maximum allowable trip point of 1084 psig which is derived by adding an appropriate head correction factor to the Technical Specification limit of 1070 psig. It is noted here that switch 1A83B is associated with Electromatic Relief Valve NR108B.

The "As Found" and "As Left" switch settings were:

Switch	Associated Valve	Desired Setting	As Found Setting	As Left Setting
1A83A	NR108A	1079	1079	1079
1A83B	NR108B	1084	1100	1084
1A83C	NR108C	1077	1076	1077
1A83D	NR108D	1082	1082	1082
1A83E	NR108E	1082	1075	1082

Apparent Cause of Occurrence

Instrument repeatability as previously discussed in Supplement No. 8 to the Application for a Full Term License has been identified as the cause of this occurrence.

Analysis of Occurrence

The relief valves are provided to remove sufficient energy from the primary system to prevent the safety valves from lifting during a transient. The limiting pressure transient is that which is produced upon a turbine trip from rated design power with a failure of the bypass system to function. Under these conditions, the five (5) relief valves are required to operate in order to prevent reaching the lowest set point of the primary system safety valves. It should be noted that a 25 psig margin exists between the resulting peak pressure and the lowest safety valve set point as added assurance that the safety valves will not lift during this transient. With valve NR108B actuating at 16 psig above the maximum allowable trip point of 1070 psig and assuming the most limiting pressure transient has occurred, the lowest set point safety valve may have been required to actuate in order to limit the pressure transient. Since the safety valve capacity is based upon providing sufficient vessel over-pressure protection upon failure of all pressure release devices, in addition to a failure of the reactor to scram, overpressurization of the vessel would not have occurred.

Corrective Action

The involved pressure switch 1A83B was reset to trip at the allowable pressure level. There are continuing efforts to resolve the incompatibilities between the Technical Specification set point limits and the sensor performance limits. It is felt that the conservative design margins associated with the derivation of the plant safety limits will permit a change in the Technical Specifications to be made which will take into account the expected sensor performance variations. This will eliminate instances of reportable occurrence reports caused by the normal variation in a sensor set point within the design margins of the plant safety limits.

Failure Data

Manufacturer: Dresser
Type: 1539VX
Serial Nos.: BK3339 (1A83B)

Previous abnormal occurrence reports:

No. 50-219/74-29
No. 50-219/74-39
No. 50-219/75-16
No. 50-219/75-24