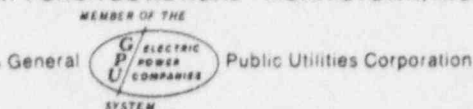


# Jersey Central Power & Light Company



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



July 11, 1974

Mr. A. Giambusso  
Deputy Director for Reactor Projects  
Directorate of Licensing  
United States Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. Giambusso:

Subject: Oyster Creek Station  
Docket No. 50-219  
Addendum to Abnormal Occurrence  
No. 50-219/74/28

In my report of Abnormal Occurrence No. 50-219/74/28 dated April 26, 1974, complete information on the Apparent Cause of the Occurrence, Corrective Action, and Failure Data was not furnished since the investigation of this occurrence had not been completed on April 26. This investigation has now been completed. The attached report is an addendum to Abnormal Occurrence No. 50-219/74/28 and serves to complete the original report.

Enclosed are forty copies of this submittal.

Very truly yours,

Donald A. Ross  
Manager, Nuclear Generating Stations

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Enclosures

cc: Mr. J. P. O'Reilly, Director  
Directorate of Regulatory Operations, Region I

B/S/3

## ADDENDUM

### Abnormal Occurrence Report No. 50-219/74/28

Abnormal Occurrence Report No. 50-219/74/28, occurrence date April 19, 1974, reported that motor-operated valve V-20-4 failed to open electrically after closing electrically in a normal manner during the performance of surveillance testing on core spray system II. Since valve V-20-4 provides suction to the "B" core spray pump, core spray pump redundancy was lost in system II during the period of time that the valve was stuck in the closed position. Immediate corrective action involved manually opening the motor-operated valve (V-20-4) and tagging open the associated circuit breaker to prevent subsequent closing.

Since core spray system I was tagged out for maintenance at the time of this abnormal occurrence, it was not immediately possible to troubleshoot and determine the cause of the V-20-4 failure. Consequently, the initial abnormal occurrence report did not identify the cause of the valve failure. The purpose of this addendum is to report the apparent cause of the failure, additional items of corrective action and pertinent failure data.

#### Apparent Cause of Occurrence

Refer to the attached schematic diagram of the opening and closing control circuitry for V-20-4 (Figure 1). Torque switch TS-0 is provided to interrupt the control circuitry if a mechanical overload occurs during the opening cycle. Position switch 20-C is provided to override the function of TS-0 during the initial stages of the opening cycle. This position switch (20-C) is normally adjusted to open at approximately 10% of valve travel. Investigation of the control circuitry after the abnormal occurrence revealed that 20-C was opening prematurely at 6% to 7% of valve travel. It has, therefore, been concluded that 20-C opened before torque switch TS-0 closed, thereby preventing V-20-4 from opening.

#### Additional Corrective Action

Position switch 20-C was readjusted to open at approximately 10% of valve travel.

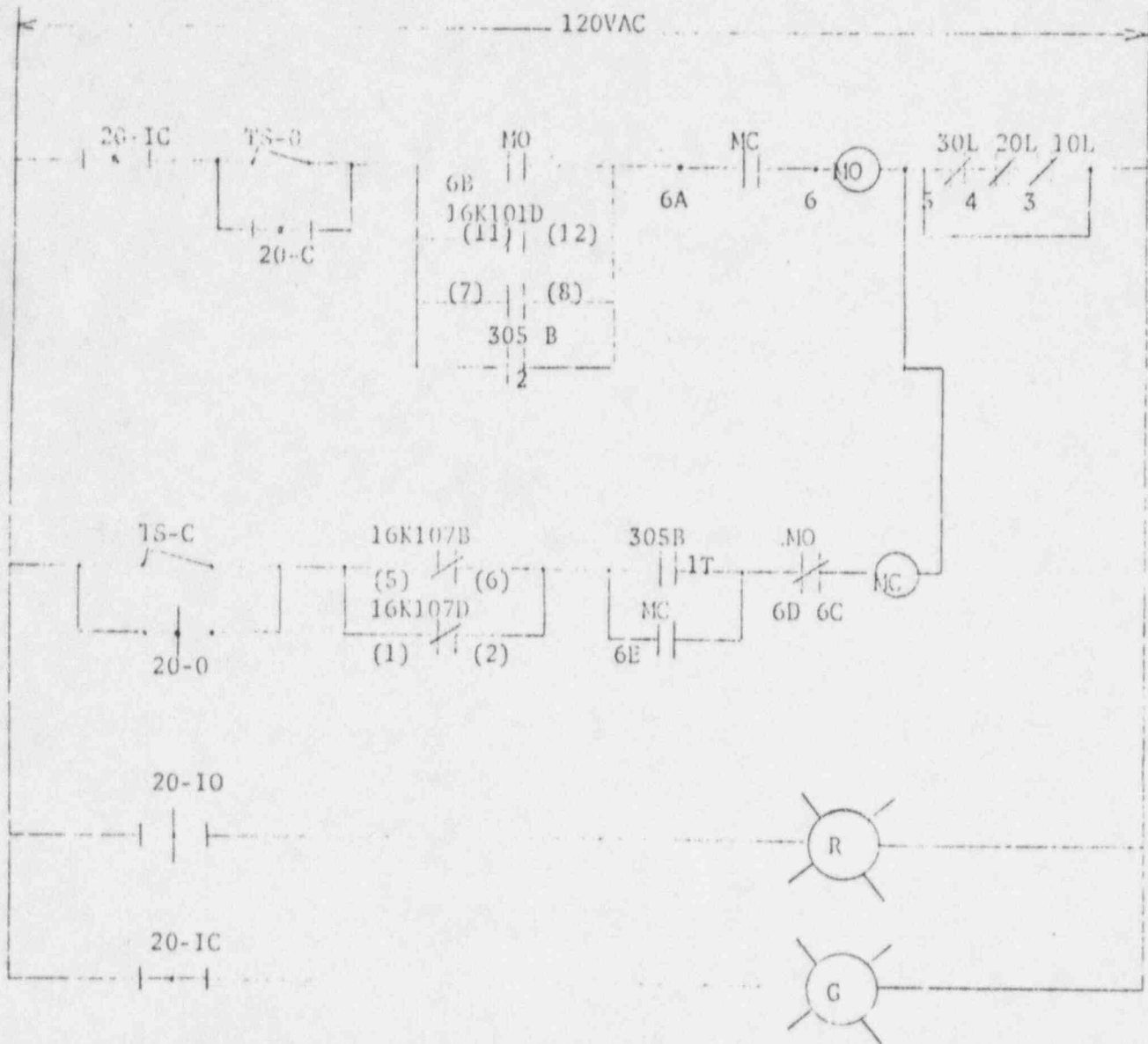
#### Failure Data

Manufacturer data pertinent to the V-20-4 valve control are as follows:

Manufacturer:	Limitorque
Model No.:	391667-ES
Motor HP:	.67

Figure 1

Opening And Closing Control Circuitry For V-20-4



- IC - Closed during 1st 90% of Travel
- IO - Open after 1st 10% of Travel
- TS-0 - Torque Switch Open
- TS-C - Torque Switch Closed
- MO - Motor Open
- MC - Motor Closed