

# Jersey Central Power & Light Company



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

March 10, 1972

Dr. Peter A. Morris, Director  
Division of Reactor Licensing  
United States Atomic Energy Commission  
Washington, D. C. 20545



Dear Dr. Morris:

Subject: Oyster Creek Station  
Docket No. 50-219  
Failure of Scram Dump Volume Level Switch

The purpose of this letter is to report the failure of Scram Dump Volume Level Switch RD08D to trip at the required level during surveillance testing.

While conducting a surveillance test on March 1, 1972 to check the trip points and protection system response to high level in the scram dump volume, level switch RD08D failed to function properly at the predetermined trip setpoint of 37 gallons.

Upon investigation, it was discovered that the switch cover bolt had not been replaced on RD08D after the last surveillance test and dirt and water had entered the switch assembly and hampered the switch arm motion. This prevented the full travel of mercury in the switch during the high level simulation.

The swing arm assembly was cleaned and adjusted for proper travel. All other discharge volume level switches were inspected for correct tilt of the swing arm assembly and found satisfactory. Three successful simulated high water level actuations were performed after the swing arm assembly cleaning and adjustment.

As further assurance of proper operation, on March 7 the switch assembly from RD08F, which is the scram discharge volume three-gallon alarm, was used to replace the assembly from RD08D. After replacement, a surveillance test was performed on this switch and it operated satisfactorily several times. After replacing RD08D switch assembly in RD08F alarm switch, it was checked and functioned properly.

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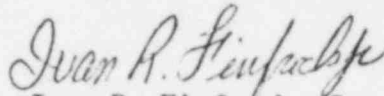
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All other discharge volume level switches were inspected and found to be in good condition. All switch covers were checked and cover nuts were reinstalled with rubber washers to make a water-tight seal.

Successful results from testing of RD08A, B, and C indicate that a scram would have occurred if a high water level scram condition had existed in the discharge volume. Thus, single failure criteria was met.

All instrument technicians and electricians have been instructed to make sure that all protective covers for devices and junction boxes are properly replaced upon completion of surveillance or repair work.

Very truly yours,



Ivan R. Finfrock, Jr.  
Manager, Nuclear Generating Stations

IRF/pk

Enclosures

cc: Mr. J. P. O'Reilly, Director  
Division of Compliance, Region I