

# Jersey Central Power & Light Company

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

February 22, 1972

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



Dear Dr. Morris:

Subject: Docket 50-219  
Oyster Creek Station  
Loss of 125V DC Bus "A" -- January 22, 1972

On January 22, 1972, while verifying alarm actuations, the 125V DC control feed to 4160V "A" bus was changed from 125V DC Bus "A" to 125V DC Bus "B" and immediately returned to "A". The loss of DC voltage on 4160V "A" control bus caused the holding voltage to be lost on the polarizing coils for the Reactor Recirculation Pump M.G. set field breakers which caused a trip of Recirculation Pumps "A", "C", and "E". In addition, the "A" Feedwater Pump was lost when auxiliary relay PSX, which monitors feed pump suction pressure and pump oil pressure, lost D.C. power which put it in a tripped condition. The immediate reclosing of the D.C. feed back to "A" bus caused the trip coil to be energized before the PSX contacts returned to normal. The same condition was experienced on the Cleanup System from auxiliary relay TSX which normally monitors the Cleanup System Main Recirculation Pump discharge temperature.

The "A" Feedwater Pump was immediately restarted. The Recirculation Pumps were restarted one at a time and the Cleanup System was returned to service after the Recirculation System was normal.

All plant parameters responded normally with the following results:

Electrical load dropped from 642 MWe to a low of 316 MWe and then leveled off at 336 MWe; recirculation flow dropped from  $1.60 \times 10^5$  gpm to  $4.8 \times 10^4$  gpm; core power dropped initially to 20% and immediately returned to 50%; vessel water level dropped from 13' 9" above the active

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fuel to 12' 9" above the active fuel; the "B" and "C" Feedwater Pumps were in a run-out condition and level increased to approximately 14' 9" at which point the run out reset and level returned to 13' 9" above the fuel; and reactor pressure dropped from 1018 psig to 960 psig.

In view of this incident, all appropriate switches will be CAUTION tagged and appropriate precautions will be added to all plant operating procedures. In addition, electrical maintenance personnel have been instructed to review station procedures prior to deenergizing any DC circuits and an investigation will be made of the possibility of making circuit modifications that would eliminate future problems of this nature.

We are enclosing twenty-five copies of this report.

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