



**CENTERIOR  
ENERGY**

**PERRY NUCLEAR POWER PLANT**

10 CENTER ROAD  
PERRY, OHIO 44081  
(216) 259-3737

Mail Address:  
P.O. BOX 97  
PERRY, OHIO 44081

**Michael D. Lyster**

VICE PRESIDENT - NUCLEAR

March 18, 1991  
PY-CEI/NRR-1332 L

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Perry Nuclear Power Plant  
Docket No. 50-440  
Supplemental Response to  
Generic Letter 89-10  
Supplement 3

Gentlemen:

By letter PY-CEI/NRR-1271 L, dated 12/10/90 we provided information on the results of degraded voltage calculations for the subject RCIC and RWCU motor operated valves. Our design verification is now complete and the revised results are presented by this letter. The new values are a result of using the more conservative bus voltage at the steady state LOCA voltage for each valve. The revised calculated thrust capabilities are as follows:

<u>VALVE TYPE</u>	<u>CURRENT CALCULATED CAPABILITIES</u>	<u>PREVIOUS CALCULATED CAPABILITIES</u>	<u>CALCULATED THRUST TO CLOSE</u> *
Borg-Warner 10" (Inboard)	56,340 lbs.	64,023 lbs.	27,397 lbs.
Borg-Warner 10" (Outboard)	41,714 lbs.	47,789 lbs.	27,397 lbs.
Borg-Warner 6" (Inboard)	21,614 lbs.	29,687 lbs.	13,827 lbs.
Borg-Warner 6" (Outboard)	20,149 lbs.	23,135 lbs.	13,827 lbs.

\* Using manufacturer's recommendations

Even though the new numbers are less conservative, they still represent an overall conservative margin when compared to the INEL test results and our calculations. It should also be pointed out that the probability of a LOCA concurrent with a 95% grid voltage condition is very low.

9103260262 910318  
PDR ADOCK 05000440  
PDR

Generating Companies  
Cleveland Electric Illuminating  
Toledo Edison

250115.

A064  
1/10

March 18, 1991  
PY-CEI/NRR-1332 L

We continue to maintain the position that the results of our design basis review are based on the best data currently available and there are no deficiencies in the subject RCIC and RWCU valves and therefore, no corrective action is deemed necessary.

If you have any questions, please feel free to call.

Sincerely,



Michael D. Lyster

MDL:CJF:njc

cc: NRC Project Manager  
NRC Resident Office  
NRC Region III