



**CENTERIOR
ENERGY**

PERRY NUCLEAR POWER PLANT

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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 RCLC 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.

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Engineering Companies
Cleveland Electric Illuminating
Toledo Edison

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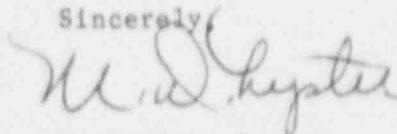
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We continue to maintain the position that the results of our design basis review are based on the best data currently available and there are no deficiencies in the subject RCIC and RWCU valves and therefore, no corrective action is deemed necessary.

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