



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

P.O. BOX 5000 - CLEVELAND, OHIO 44101 - TELEPHONE (216) 622-9800 - ILLUMINATING BLDG. - 55 PUBLIC SQUARE

Serving The Best Location in the Nation

MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

April 18, 1985

Mr. James G. Keppler
Regional Administrator, Region III
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

RE: Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
Voltage Drop Affecting RCIC
Valves [RDC 127(85)]

Dear Mr. Keppler:

This letter is the second interim report pursuant to 10CFR50.55(e) on the potential significant deficiency regarding starting voltage drops in power feeder cables for three valves in the Reactor Core Isolation Cooling System. Mr. J. McCormick-Barger of your office was notified on January 30, 1985, by Mr. T. A. Boss of The Cleveland Electric Illuminating Company that this problem was being evaluated per our Deviation Analysis Report Number 222. An interim report was submitted on February 28, 1985.

This report contains a description of the deficiency, our planned actions to complete our evaluation, and the date for submittal of our next report on this subject.

Description of Deficiency

Calculations have indicated that three Reactor Core Isolation Cooling (RCIC) system valves, 1E51-F013, 1E51-F045, and 1E51-F510, may be incapable of operating due to excessive voltage drop in the valve motor circuit conductors when the valve operator is energized.

8505020172 850418
PDR ADOCK 05000440
S PDR

APR 22 1985

110 JE-27

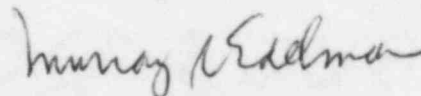
April 18, 1985

Completion of Evaluation

Our Architect/Engineer, Gilbert Commonwealth, Inc., is currently completing an analysis of all DC powered valves within the RCIC system to determine if the DC voltage that would be present, in the event of a Control Rod Drop Accident with a simultaneous loss of the battery charger, is sufficient to provide the required torque for valve operation. The completion of this analysis will allow us to assess the potential impact on the operation of the RCIC system. We expect to submit our final report on this subject by May 22, 1985.

Please call if there are any questions.

Sincerely,



Murray R. Edelman
Vice President
Nuclear Group

MRE:sab

cc: Mr. J. A. Grobe
USNRC, Site Office

Mr. D. E. Keating
USNRC, Site Office

Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

U.S. Nuclear Regulatory Commission
c/o Document Management Branch
Washington, D.C. 20555

Records Center, SEE-IN
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339