

FEB 20 1985

Mr. Murray R. Edelman
Vice President - Nuclear Group
The Cleveland Electric Illuminating Company
P. O. Box 5000
Cleveland, Ohio 44101

Dear Mr. Edelman:

Subject: Acceptability of the Scope of Hydrogen Control Design and Analytical Information to be Provided to Support Full Power Licensing of Perry Nuclear Power Plant, Unit 1

Your letter dated February 5, 1985, requested that the NRC staff acknowledge the acceptability of the scope of the Perry plant-specific hydrogen control design and analytical information to be submitted in compliance with the recently published rulemaking (amendment to 10 CFR 50.44) in January 1985, in support of a full power license for Perry Unit 1. The plant-specific information to be provided prior to Unit 1 licensing is to include: (a) a detailed description of the igniter system to be installed (b) an analysis of containment pressure capacity and containment thermodynamic response to hydrogen combustion scenarios; and (c) a comparison of significant Perry design features with the Grand Gulf Nuclear Station design, previously accepted by the staff, to demonstrate that Perry Unit 1 will be safe to operate up to 100% of rated thermal (or full) power. In addition, the amended rule requires that the hydrogen igniter system be installed and operated prior to reactor operation in excess of 5% power.

The staff has reviewed the scope of the information described in your letter and its attachment and finds it acceptable for determining compliance with the hydrogen control requirements, pending an evaluation of the final analysis to be furnished by CEICO subsequent to Unit 1 licensing. This final analysis will be predicated on the results of the on-going Hydrogen Control Owners Group generic program analytical and test activities. It is requested that Perry hydrogen control design information be furnished no later than February 28, 1985 to support your currently projected (June 1985) fuel load date and schedule for operations above 5% of full power for Unit 1.

Sincerely,

ORIGINAL SIGNED BY:

P. O'Connor

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

for

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A PDR

cc: See next page

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FERRY

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