

AUG 28 1984

Docket Nos.: 50-440
and 50-441

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

Dear Mr. Edelman:

Subject: Request for Additional Information Relative to the Perry Nuclear
Power Plant Steam Erosion Hazards Analysis

The NRC staff is in the process of reviewing the Perry Steam Erosion Hazards
Analysis submitted by your letter dated May 15, 1984 and finds that additional
information is needed to complete its evaluations.

It is stated in Section 2.2.1.1 of the Analysis Report (pages 2-3 and 2-4)
that "jet loads from smaller lines on larger lines are similarly insignificant,
compared to other design loads including loads from larger jets" and "jets
from any main steam break on the large B-33 piping would not be significant
compared to other design loads." The resolutions of several safety-related
piping systems, components and equipment contained in Tables 7 and 8 of the
Report were based on the rationale that the target is remote from jets and
pipe whip. However, the Report is unclear as to the jet impingement and pipe
whip criteria used in the Perry analysis. Clarification of the criteria used
in your evaluation of the effects of jet impingement and pipe whip caused
by the dynamic effects of postulated steam erosion breaks is accordingly requested.
The staff requires an immediate response for the timely completion of its
evaluations of this issue.

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B. J. Youngblood, Chief
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cc: See next page

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