

April 23, 1992

Docket No. 50-440

Mr. Michael D. Lyster, Vice President
Nuclear - Perry
The Cleveland Electric Illuminating
Company
10 Center Road
Perry, Ohio 44081

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Dear Mr. Lyster:

SUBJECT: PERRY NUCLEAR POWER PLANT, UNIT 1 - SAFETY EVALUATION OF THE RESPONSE TO THE STATION BLACKOUT RULE, 10 CFR 50.63 (TAC NO. M68584)

By letters dated April 17, 1989, March 30, 1990, and March 15, 1991, the Cleveland Electric Illuminating Company (the licensee) submitted responses to the Station Blackout (SBO) Rule, 10 CFR Part 50.63, for the Perry Nuclear Power Plant, Unit 1. These responses were supplemented with information provided in a telephone call between the licensee and the NRC staff on February 8, 1991. This information was reviewed by the NRC staff with the assistance of its contractor, Science Applications International Corporation (SAIC). The results of our review are documented in the enclosed NRC Safety Evaluation (SE), which includes the Technical Evaluation Report (TER) prepared by SAIC as an attachment.

Based on our review of these submittals, the staff finds that your responses to date are insufficient for us to assess whether Perry Unit 1 fully conforms with the SBO rule. The SE contains several recommendations, which, if implemented, will result in full conformance with the rule. The recommended actions include the following:

- (1) Confirmation that the Unit 2 batteries will be dedicated and always available for Unit 1;
- (2) Installation of a permanent crosstie between motor control centers EF1E-1 and EF1C07, to ensure that the Division III diesel generator will be capable of powering all necessary loads during an SBO event;
- (3) Clarification of the proper temperature profile for the High Pressure Core Spray switchgear room, and the performance of heatup analyses for the Division I and II switchgear rooms, to be used for assessing potential equipment qualification concerns following an SBO event;
- (4) Implementation of procedures to open control room cabinet doors and to turn off reactivity control system inverters within 30 minutes of the onset of an SBO event, to minimize heatup effects in the control room and cable spreading room;

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Mr. Michael D. Lyster

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April 23, 1992

The reporting requirements contained in this letter affect fewer than ten respondents; therefore, Office of Management and Budget clearance is not required under Public Law 96-511.

Sincerely,

~~original~~ signed by

James R. Hall, Sr. Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Enclosure:
Safety Evaluation w/attached
TER SAIC-91/6665

cc:
See next page

PD3-3:LA:DRPW
PKnutzer
4/23/92

PD3-3:PM:DRPW
JHall/bj
4/23/92

PD3-3:D:DRPW
JHannon
4/23/92

Mr. Michael D. Lyster
Cleveland Electric Illuminating Company

Perry Nuclear Power Plant
Unit Nos. 1 and 2

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