



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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Dalwyn R. Davidson
VICE PRESIDENT
SYSTEM ENGINEERING AND CONSTRUCTION

October 14, 1982

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
SER Confirmatory Items - 32 and 45
Radiation Monitoring

Dear Mr. Schwencer:

This letter and its attachments are provided in response to the Perry SER confirmatory items numbered 32 and 45 regarding accident monitoring instrumentation and the location of plant area radiation monitoring instrumentation. These items further address TMI action items II.F.1.3, II.F.1.4, II.F.1.5, and II.F.1.6 respectively and will be incorporated into a future FSAR amendment.

We believe that this information should resolve these confirmatory issues in the next Supplementary Safety Evaluation Report (SSER No. 2).

Very truly yours,

Dalwyn R. Davidson
Vice President
System Engineering and Construction

DRD:mb

cc: Jay Silberg, Esq.
John Stefano
Max Gildner
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J. Mauck, NRC

Boo!

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Attachment to letter dated
10/14/82--A. Schwencer
Confirmatory Items - 32 and 45

Confirmatory Item No. 32: Additional accident monitoring instrumentation to TMI Action Plan Items II.F.1.4, II.F.1.5, and II.F.1.6 (7.5.2.5).

Response

This issue requires the the accuracy of the containment pressure suppression pool water level, and containment hydrogen monitors be furnished in accordance with NUREG-0737.

The accuracy of the containment pressure suppression pool water level, and containment hydrogen monitors are as follows:

- 1) Overall accuracy of the containment pressure measurement is less than $\pm 1\%$.
- 2) Overall accuracy of the suppression pool water level monitors is less than $\pm 1\%$.
- 3) Overall accuracy of the containment and drywell hydrogen monitors is - 1% to + 10% of the actual hydrogen concentration at the recorder readout.

Attachment to letter dated
10/14/82--A. Schwencer
Confirmatory Items - 32 and 45

Confirmatory Item No. 45: Location of plant area radiation monitoring instrumentation.
(12.3.4)

Response

In accordance with TMI Action Plan Item II.F.1.3, four high-range gamma monitors will be installed at Perry that meet the criteria of Table II.F.1.3 of NUREG-0737. In addition the locations of the high-range monitors are provided as follows:

Two monitors are located in the Primary Containment (Drywell) at approximately core midplane, 630' elevation, spread about 32° apart centered at 270° azimuth for Unit 1 and 90° for Unit 2. Two monitors are located in the Secondary Containment (Reactor Building) at about the 689' level with a 30° spread about the 225° azimuth for Unit 1 and 135° azimuth for Unit 2.

This information is provided in lieu of plant layout drawings to more accurately define the location of the monitors.