

August 30, 1984

SBN- 709
T.F. Q2.2.2

United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Attention: Mr. Richard W. Starostecki, Director
Division of Project and Resident Programs

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket
Nos. 50-443 and 50-444
(b) Telecon of July 31, 1984, A. L. Legendre, Jr. (YAEC) to
Jane Grant (NRC Region I)

Subject: Interim 10CFR50.55(e) Report: Control Circuit Cable Lengths

Dear Sir:

On July 31, 1984, we reported a potential 10CFR50.55(e) deficiency
[Reference (b)] regarding control circuit cable lengths.

It has been determined that this item is reportable under 10CFR50.55(e).
The following information is filed pursuant to the interim reporting provision
of 10CFR50.55(e)(3).

Description of Deficiency

It appears that during the design process of control circuits for various
devices such as solenoids, relays, etc., portions of the circuit were not
considered in all cases when evaluating the total circuit length for
voltage drop calculations. Although this deficiency has been verified in
a number of circuits, the extent and the corrective action(s) of the
deficiency is still under evaluation.

Safety Implications

Inadequate voltage at the terminal of some devices (relay coils,
solenoids, etc.) due to increased voltage drop may prevent the device
from performing its intended safety function.

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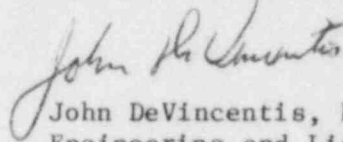
Corrective Action

As mentioned above, the review to determine the extent of this problem along with any corrective action is still in progress.

We will submit an additional report to Region I by November 30, 1984.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



John DeVincentis, Director
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cc: Atomic Safety and Licensing Board Service List

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