



Ray Smith

4-315

Westinghouse
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Water Reactor
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Nuclear Technology Division

Box 355
Pittsburgh Pennsylvania 15230

August 10, 1984

NS-EPR-2949

Ref: NS-EPR-2938;
E. P. Rahe, Jr. to
R. C. DeYoung
dated July 13, 1984

Attached

Mr. R. C. DeYoung, Director
Division of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, MD 20014

Dear Mr. DeYoung:

The referenced letter notified the NRC of a reportable item associated with the design of component cooling water systems supplied by Westinghouse. This item was reported under 10CFR21 for eleven operating plants and seven plants under construction. The purpose of this letter is to inform you that we have identified two additional operating plants (Point Beach 1 and 2) for which this item is reportable as a Substantial Safety Hazard under 10CFR21. The utility has been advised of this issue.

The NRC was notified of these two additional operating plants in a telephone conversation on August 9, 1984, between Messrs. John McInerney and Robert Faas of Westinghouse and Mr. Villalva of the NRC.

If you have any questions, please contact me, or John McInerney (412-374-5933) or Robert Faas (412-374-4155) of my staff.

Very truly yours,

WESTINGHOUSE ELECTRIC CORPORATION

E. P. Rahe, Jr., Manager
Nuclear Safety Department

RHF/anj

I need to talk to you
and Villalva about
resolution of this
issue.

IE19

Ray

[Redacted]



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~~Westinghouse~~
~~Electric Corporation~~

Water Reactor
Divisions

Nuclear Technology Division

Box 355
Pittsburgh Pennsylvania 15230

~~July 13, 1984~~

NS-EPR-2938

Mr. R. C. DeYoung, Director
Division of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, MD 20014

Dear Mr. DeYoung:

This is to confirm the telephone conversation on July 12, 1984, between Messrs. John McAdoo, John McInerney, and Ed Arnold of Westinghouse and Mr. George Lanik of the NRC. In that conversation Westinghouse notified the NRC of a reportable item associated with the design of component cooling water systems supplied by Westinghouse. This item was reported under 10CFR21 as a Substantial Safety Hazard for 11 operating plants, Zion 1 and 2, Turkey Point 3 and 4, H. B. Robinson, Indian Point 2 and 3, Salem 1 and 2, Kewaunee, and Ginna). For 7 plants under construction (Byron 1 and 2, Braidwood 1 and 2, Marble Hill 1 and 2, and Shearon Harris, this issue is being reported under 10CFR21 because it could create a Substantial Safety Hazard if affected plants were to go into operation without appropriate corrective action. Westinghouse has advised the attached utilities of this issue.

This issue relates to a potential overpressure condition in the component cooling water systems designed by Westinghouse. Specifically, the overpressure condition could result from closure of the surge tank vent valve on a high radiation signal from the radiation detectors within the component cooling water system. Closure of the vent valve could result in an increase in pressure (above the normal atmospheric pressure) in the surge tank due to a system inleakage or an increase in system heat load. The pressure in the surge tank could then increase to the set pressure of the surge tank relief valve. System overpressurization of up to 170% of the design pressure may then occur downstream of the CCW pumps as a result of pump developed head.

Mr. R. C. DeYoung

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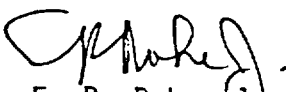
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Based on a generic review of typical plant designs Westinghouse has determined that the potential for overpressurization can be reduced or eliminated by minor modifications to the component cooling water system and/or administrative controls.

If you have any questions, please contact me or John McInerney (412-374-5933) of my staff.

Very truly yours,

WESTINGHOUSE ELECTRIC CORPORATION



E. P. Rahe, Jr., Manager
Nuclear Safety Department

GGH/anj

cc: ~~George Janik, NRC~~