

February 19, 1988

Docket No. 50-601

Mr. W. J. Johnson
Nuclear Safety Department
Westinghouse Electric Corporation
Water Reactor Division
Box 355
Pittsburgh, Pennsylvania 15230

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Dear Mr. Johnson:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON RESAR SP/90

As a result of the review of Chapter 11.5 of the Westinghouse Advanced Pressurized Water Reactor (RESAR SP-90) FSAR by our Radiation Protection Branch, we have several comments that should be addressed either in the preliminary design phase or in the final design phase.

Tables in the submission describe the characteristics of individual monitors but no diagrams were submitted fixing the location of these monitors within the plant. General reference was made to several NRC Regulatory Guides and an ANSI Standard, but no mention was made of Technical Specifications (TS) for these effluent monitors for the eventual operation of this plant. Characteristics proposed for these effluent monitors should be related to Technical Specifications presently in effect for Westinghouse plants. Inconsistencies noted include the lower limit of detection (LLD) of the radioiodine monitor PE-2 that is given in Table 11.5-2 as $1.0E-11$ uCi/cm³, while the TS for Westinghouse plants such as Beaver Valley-2 require $1.0E-12$. Similarly, radiogas monitor PE-28 for the Radwaste Building effluent is listed in Table 11.5-2 with an LLD of $1.0E-8$, although noble gas monitors for operating Westinghouse plants have LLDs of $1.0E-6$ in their TS, and some of the older plants have trouble meeting $1.0E-5$. Further, tables of the August, 1985 submission state that values for set points for the monitors will be provided later.

Specific location information regarding the effluent monitoring systems will also be required.

Please respond to this request within 60 days of the date of this letter. If you have any questions regarding this matter, call me at (301) 492-1120.

Sincerely,

original signed by


Thomas J. Kenyon, Project Manager
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects - III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

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02/17/88


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02/19/88



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Sincerely,

A handwritten signature in cursive script, appearing to read "Tom Kenyon".

Thomas J. Kenyon, Project Manager
Standardization and Non-Power
Reactor Project Directorate
Division of Reactor Projects - III, IV,
V and Special Projects
Office of Nuclear Reactor Regulation

cc: See next page

Docket No. STN 50-601
RESAR-SP/90

cc:

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