

PHILADELPHIA ELECTRIC COMPANY

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SHIELDS L. DALTROFF  
VICE PRESIDENT  
ELECTRIC PRODUCTION

(215) 841-5001

October 30, 1979

Re: Docket Nos.: 50-277  
50-278

Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

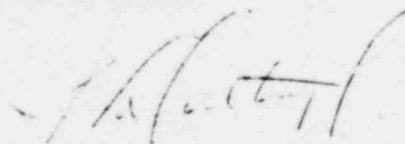
Dear Mr. Denton:

This letter is a follow-up response to our letter to you dated October 5, 1979 on the subject of a potential unreviewed safety question on the interaction between non-safety grade systems and safety grade systems as a result of a high energy line break.

In our letter we indicated that one of the concerns identified was with the liquid radwaste collection system and condensate filter demineralizers. We hypothesized that a failure of the condensate filter demineralizer controls could cause a large amount of condensate water to be transferred to the liquid radwaste system. If this failure were to be caused by a high energy line break in the turbine building, then both the high energy line break water and the condensate water would have to be considered as contributors to offsite dose.

Our subsequent analysis shows that the maximum offsite dose, comprised of the dose from a main steam line break outside primary containment and the dose from the loss of condensate water to the turbine and radwaste buildings, would be within the 10CFR100 guidelines. As a result of this analysis we feel that a change in the status of our license is not warranted and that continued operation is justifiable.

Very truly yours,



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