

PHILADELPHIA ELECTRIC COMPANY

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SHIELDS L. DALTROFF  
VICE PRESIDENT  
ELECTRIC PRODUCTION

October 29, 1984

Docket Nos. 50-277  
50-278

Mr. John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUBJECT: Peach Bottom Atomic Power Station  
Hydrogen Water Chemistry Demonstration Test

Dear Mr. Stolz:

This letter transmits a copy of the test plan for the hydrogen water chemistry demonstration test planned for Peach Bottom Unit 3 in November 1984. The test plan provides the background information on the hydrogen injection test which was requested by telephone on October 17, 1984. The NRC request was in regards to its review of a September 28, 1984, License Amendment Application to revise an instrument setpoint in order to accommodate hydrogen injection. The plan will be used to develop the site procedures, subject to PORC approval, for the performance of the test.

The following actions are being taken in regards to ALARA and access control during the hydrogen injection test, and address the NRC staff concerns.

1. The ALARA review of the injection test is underway. The Health Physics group has reviewed the present dose rates in those areas of the plant which could be affected by the test induced increase in the isotope N-16 to determine if additional posting or access control may be required.

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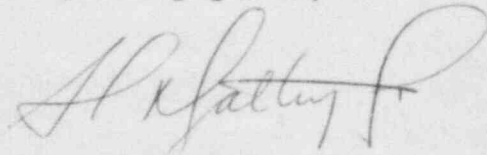
Mr. John F. Stolz

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2. An additional group of HP Technicians (apart from the group taking the dose rate reading for the test) will be assigned during the injection test to control access and to revise the posting if necessary.
3. Our review of the dose rates in those areas of the plant or administration building which could be affected by the N-16 increase indicates that the test can be performed without a significant impact to site personnel. Further, the test will be performed on the backshift as a precautionary measure.

Should you have additional questions regarding this matter, please do not hesitate to contact us.

Very truly yours,



Attachment

cc: A. R. Blough, Site Inspector