

PHILADELPHIA ELECTRIC COMPANY

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SHIELDS L. DALTROFF
VICE PRESIDENT
ELECTRIC PRODUCTION

December 6, 1982

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: Emergency Operations Facility

Dear Mr. Stolz:

This letter provides a response to questions received by telephone on December 2, 1982, from the NRC Project Manager regarding the design of the Peach Bottom Emergency Operations Facility (EOF). The following correspondence, previously submitted, provides additional information regarding the design of the facility:

- 1) S. L. Daltroff, PECO to H. R. Denton, NRC dated January 2, 1980, and
- 2) S. L. Daltroff, PECO to D., G. Eisenhut, NRC, dated June 1, 1981.

1. NRC Question:

Identify the location of the EOF with respect to the plant.

Answer:

The EOF is situated on the second floor of the former Peach Bottom Unit 1 Administration Building. The building is located approximately 1,000 feet from the centerline between the Unit 2 and Unit 3 structure.

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2. NRC Question:

Identify the type of structure used for the EOF.

Answer:

Both the Emergency Operations Facility and the Technical Support Center (TSC) are located within a structural steel supported building that was previously used to house the main control room and administrative office space for the now decommissioned Unit 1 facility. The building interior was modified to provide the necessary features required of the EOF and TSC, and demonstrated to be fully operational during the June 1982 emergency drill. The building was originally completed in 1963.

3. NRC Question:

Does the habitability design of the EOF include HEPA filters and provide a protection factor greater than five?

Answer:

HEPA filters are included in the habitability design and provide a protection factor greater than five.

4. NRC Question:

Do you have either an interim or backup EOF?

Answer

The facility described above represents the permanent EOF for Peach Bottom. No backup EOF is planned. Generic letter 81-10 recommends that Emergency Operations Facilities located within 10 miles of the plant meet the following criteria:

- a. Habitability consisting of ventilation isolation with HEPA (no charcoal).
- b. Provide a backup EOF between 10-20 miles.

The habitability control system for the EOF has been designed to provide the same radiological habitability as the main control room under accident conditions. This includes a ventilation system utilizing both HEPA and charcoal filters. The existing shielding was sufficient for meeting the personnel dose criteria identified in NUREG-0578. Based on the habitability design for the Peach Bottom EOF that exceeds the criteria of Generic letter 81-10, we requested an exception to the backup EOF criteria in the June 1, 1981 letter (S. L. Daltroff to D. G. Eisenhut).

Please contact us should you need additional information regarding this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "S. L. Daltroff".

cc: R. A. Blough, Site Inspector
Peach Bottom