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January 14, 1983

Docket Nos. 50-277
50-278

Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBJECT: NUREG-0737, Item III.A.2,
Meteorological Monitoring System
Peach Bottom Atomic Power Station

Dear Mr. Eisenhut:

This letter provides most of the additional information promised in a December 23, 1982 letter (S. L. Dalcroff to D. G. Eisenhut) regarding implementation of a new meteorological monitoring system for the Peach Bottom Atomic Power Station. The remaining information will be provided by April 15, 1983 in accordance with the new NRC scheduling requirements established in Generic Letter No. 82-33, Supplement 1 to NUREG-0737, Requirements for Emergency Response Capability, dated December 17, 1982. As stated in Generic Letter No. 82-33, the requirements in the enclosure to that letter supersede the requirements in the affected NUREG-0737 items. In lieu of stating a specific implementation schedule for the meteorological monitoring system, the NRC letter states that each licensee should develop and submit its own plant specific schedule no later than April 15, 1983, which will be reviewed by the assigned NRC Project Manager. The Project Manager and licensee will subsequently reach an agreement on the final schedule as quickly as possible. This letter describes the current status of our efforts to complete the upgraded meteorological monitoring system and identifies our plans for proposing a schedule by April 15, 1983 as requested by Generic Letter 82-33.

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The meteorological monitoring system at Peach Bottom is being modified to comply with Regulatory Guide 1.23, Proposed Rev. 1 and NUREG-0654 criteria. A description of the upgraded system was provided in correspondence dated May 6, 1982 (S. L. Daltroff to D. G. Eisenhut). The upgraded system is expected to be installed as described, except as noted below, by the end of February, 1983. However, the conversion to the upgraded system will require a transition period to write procedures and train emergency response personnel. Development of new procedures will commence in late February after the back-up manual calculation methodology is upgraded to provide results consistent with the computer dose model. Personnel are currently trained to calculate off-site doses manually using the present instrumentation and methodology. Extensive training will be required before the new system can be considered operational. The plans for the procedures and training will be reviewed with the NRC Project Manager and identified in an April 15, 1983 submittal in accordance with Generic Letter 82-33.

Most of the upgraded meteorological monitoring system hardware has been installed and data is currently displayed in the main control room. The system software to provide full meteorological data availability in the Emergency Operations Facility, and to permit remote interrogation of data by government agencies is expected to be completed by the end of February 1983. The only portions of the system described in the May 6, 1982 letter that will not be completed by February 1983 are as follows:

1. The wind instrumentation at the 30 feet elevation on tower No.2.
2. The dew point sensor on tower No. 2
3. The primary weather tower (tower no. 2) wind instrumentation at the 75 feet and 320 feet elevations will be accurate to within ± 1.0 mph (greater than 10 mph) vs. a required accuracy of ± 0.5 mph for all speeds per Regulatory Guide 1.23, Proposed Rev. 1. In addition, the starting wind speed for this instrumentation will be 1.8 mph vs. the Regulatory Guide 1.23 requirement of 1.0 mph.
4. The dose model on the on-site computer.

The delay in upgrading the instrumentation on tower No. 2 is due to structural deficiencies in the tower discovered during the installation of new equipment. An engineering evaluation of the tower's structural capabilities to identify the necessary corrective action will be completed within several weeks. In the absence of the on-site computer, the dose model is presently installed on the corporate computer and is accessed by terminal from the Peach Bottom EOF, and therefore meets the intent of NUREG-0737, Item II.A.2.2. A schedule for completing installation of the on-site computer, and installing new instrumentation on tower No. 2 to comply with our previous commitment of May 6, 1982 will be identified by April 15, 1983 in accordance with Generic Letter 82-33.

Should you have any questions concerning this matter, please do not hesitate to contact us.

Sincerely,



cc: Site Inspector
Peach Bottom