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

NOV 5 1979

MEMORANDUM FOR: T. Ippolito, Chief, Operating Reactors Branch #3, DOR

FROM: G. Lainas, Chief, Plant Systems Branch, DOR

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - CONTAINMENT PURGE SYSTEM - PEACH BOTTOM ATOMIC POWER STATION UNITS 2 AND 3 (TACS 10173 AND 10172)

REFERENCES: 1. Letter to T. Ippolito from S. Daltroff dated January 2, 1979.

- Letter to B. Grimes from M. Cooney, "Licensee Event Report Narrative Description", dated March 29, 1979.
- Letter to H. Denton from E. Bradley, dated July 31, 1979.

Plant Name: Peach Bottom Atomic Power Station, Units 2 and 3 Docket Nos.: 50-277, 50-278 Project Manager: D. Verrelli Review Status: Awaiting Information

With regard to the containment purge system and containment venting system at the Peach Bottom Atomic Power Station, Units 2 and 3, the licensee has committed to limit purging of the containment during power operation to 90 hours per year. The Plant Systems Branch, Section B, after having reviewed the documents (References 1 through 3) filed by the licensee, has identified several areas where additional information is necessary. Therefore, we have prepared the enclosed request for additional information which should be transmitted to the licensee. The PSB, Section A (EI&C) is currently reviewing the licensee's information provided at their August 24, 1979 meeting.

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G. Lainas, Chief Plant Systems Branch Division of Operating Reactors

Enclosure: As stated

Contact: D. Shum X-27058

cc w/enclosure:

- D. Eisenhut
- B. Grimes
- W. Gammill
- L. Nichols
- G. Lainas
- T. Ippolito D. Verrelli

 - E. Adensam
 - E. Reeves
 - D. Tondi
 - D. Shum
 - J.T. Beard
 - G. Knighton V. Noonan

 - W. Pasedag P. Check

 - R. Scholl

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REQUEST FOR ADDITIONAL INFORMATION FOR

CONTAINMENT PURGE SYSTEM AND CONTAINMENT VENTING

SYSTEM FOR PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3

DOCKET NOS. 50-277 AND 50-278

- With regard to the containment purge and venting system, provide the following information:
 - a. Discuss the provisions made to ensure that isolation valve closure will not be prevented by debris which could potentially become entrained in the escaping air and steam.
 - b. Discuss the provisions made for testing the availability of the isolation function and the leakage rate of the isolation valves, individually, during reactor operation.
 - c. Provide an analysis to demonstrate the acceptability of the provisions made to protect structures and safetyrelated equipment, e.g., fans, filters and ductwork, located beyond the purge system isolation valves against loss of function from the environment created by the escaping air and steam.
 - d. For the containment purge isolation valves, specify the differential pressure across the valve for which the maximum leak rate occurs. Provide test results (e.g., from vendor tests of leakage rate versus valve differential pressure) which support your conclusion.
- The proposed Technical Specifications for limiting conditions for operation should be changed to limit the use of the purge system to less than 90 hours per year while the plant is in the startup, power, hot standby and hot shutdown modes.

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