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Voss A. Moore, Assistant Director for Light Water Reactors Group 2, L

ROUND TWO QUESTIONS AND POSITIONS - DAVIS BESSE 1

Plant name: Davis Besse
 Licensing stage: PSAR
 Docket number: 50-346
 Responsible branch: LWR 2-3
 Project Manager: I. Peltier
 Date request received by RAB: Blue Book
 Requested completion date: 9/6/74
 Description of response: Transmittal of Round Two Questions and Staff Positions
 Review status: Continuing

Enclosed are round two questions and positions of RAB which were prepared for Davis Besse 1 after reviewing their responses to round one questions. Upon receipt of acceptable answers, RAB will be able to prepare the safety evaluation report.

This evaluation was performed by S. Block, RAB.

Original Signed by
 H. R. Denton

Harold R. Denton, Assistant Director
 for Site Safety
 Directorate of Licensing

Enclosure:
 As stated

cc: w/o encl.
 A. Giambusso
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DATE →	8/27/74	8/27/74	9/1/74		

DAVIS BESSE STAFF POSITIONS

- (1) In the response to the location of the upstream radiation monitor sampling heads in the ventilation system (as indicated in Question 12.2.2 of Revision 6, June 1974, Page 12.2.2-1), Figures 12.2.2-1 and 12.2.2-2 have been referenced by the applicant. These figures are unacceptable to the staff since they do not clearly indicate where the sampling heads are located. The figures show a myriad of ducts, associated equipment and descriptive details. The staff would prefer a simplified drawing similar to the flow diagram of the auxiliary building ventilation system in Duke Project 81, Docket 50-488 PSAR, Figure 9.4.2-1, which clearly shows the upstream and downstream locations of the ventilation radiation monitors.
- (2) The Davis Besse program for grab sampling, as indicated by the response to Question 12.3, Revision 6, Page 12.2.3-1, is not realistic. To say that "... grab sampling for area surveillance will be monthly" is not defining a meaningful program. The technique of monitoring by grab samples considers that certain normal operations do not require continuous air monitoring systems to monitor the atmosphere, but only require that intermittent samples be taken during the operation to assess evolution of airborne radioactivity due to unanticipated release. Thus, the grab sampling program should not be related to a fixed routine since operations may require grab samples at different intervals as compared to others. The staff therefore requires that the program be more flexible and even consider the use of personal air samplers during certain normal operations to provide more realistic close-in breathing samples.
- (3) Identify personnel who maintains and calibrates the portable radiation survey meters. Specify how records will be kept for instrument calibration and maintenance.

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