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September 1, 1989

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Control Room Dose

REFERENCE: (a) Letter from Mr. J. A. Tiernan (BG&E) to Mr. A. C. Thadani (NRC), dated March 5, 1986, Control Room Dose

Gentlemen:

We wish to report that we have recalculated our Control Room Dose for a Loss of Coolant Accident. There are two reasons why we felt we should do so:

1. Recent Local leak rate testing has determined that our sum of Control Room in-leakage sources has increased 180 cubic feet per minute (cfm) from the 1213 cfm used in our last calculation. The total in-leakage is now 1393 cfm.

2. Our Technical Specifications call for a removal efficiency for radioactive methyl iodine of $\geq$ 90%, but our previous dose calculations have assumed 95%. We were questioned by the NRC staff during a past Control Room Habitability review about this inconsistency and we committed to changing the Technical Specifications to 95%. However, we now feel that a recalculation of the Control Room dose using a 90% efficiency is a preferred alternative to a Technical Specification change.

All assumptions and the calculational model are the same as in Reference (a), except that the source term was based on guidance in Standard Review Plan 6.5.2 Revision 2, which references Regulatory Guide 1.4 Revision 2 June 1974, Assumptions Used for Evaluating the Potential Radiological Consequences of a Loss of Coolant Accident for Pressurized Water Reactors.



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The results are as follows:

| | Skin Dose (Rem) | Whole Body (Rem) |
|---|---|---|
| Calculated | 18.7 | 1.11 |
| Criteria per GDC 19 | 30 | 5 |

We feel that this recalculation accurately reflects the accident dose, based on the measured in-leakage, and resolves the inconsistency with the Technical Specifications regarding Control Room Charcoal Adsorber efficiencies.

Should you have any further questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

GCC/DLS/dlm

cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
R. A. Capra, NRC
S. A. McNeil, NRC
W. T. Russell, NRC
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