

Raymond A. Crandall  
3313 Stafford Ct.  
Florence, SC 29501

Dear Mr. Crandall:

I am responding to your letter of May 17, 2007, by which you submitted to the U.S. Nuclear Regulatory Commission (NRC) a petition for rulemaking (PRM) concerning control room habitability radiological dose requirements as governed by regulations specified in Appendix A, "General Design Criteria for Nuclear Power Plants" to Title 10, Part 50, "Domestic Licensing of Production and Utilization Facilities," of the *Code of Federal Regulations* (10 CFR Part 50) and 10 CFR 50.67, "Accident Source Term." You requested to delete the 5 rem whole body dose limit specified in General Design Criterion (GDC) 19, "Control Room" Appendix A to 10 CFR Part 50 and the 0.05 sievert (Sv) (5 rem) total effective dose equivalent (TEDE) limit specified in both GDC 19 and 10 CFR Part 50.67(b)(2)(iii). We docketed your petition PRM-50-87 and published a notice of receipt and request for public comment in the *Federal Register* on July 12, 2007 (72 FR 38030). The comment period for PRM-50-87 closed on September 25, 2007.

We received two public comments on the petition, one from Mr. Walston Chubb, and one from Mr. James H. Riley on behalf of the Nuclear Energy Institute (NEI).

Based upon our review of the petition and comments received, we have determined that the conclusions upon which you rely do not substantiate a basis to eliminate the control room radiological dose acceptance criteria from current regulations as requested. The performance based control room dose criterion is designed such that an acceptable level of control room habitability will be maintained even under the maximum credible accident scenario. We further determined that providing an acceptable level of control room habitability for design basis events is necessary to provide reasonable assurance that the control room will continue to be effectively manned and operated to mitigate the effects of the accident and protect the public health and safety. Accordingly, we are denying the PRM.

R. Crandall

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Further details are discussed in the enclosed Notice of Denial of Petition for Rulemaking, which will be published in the *Federal Register*. Any questions you may have regarding this matter should be directed to Jason Lising, by calling 301-415-3220 or by e-mail to [jason.lising@nrc.gov](mailto:jason.lising@nrc.gov).

Sincerely,

Annette Vietti-Cook  
Secretary of the Commission

Enclosure:  
Federal Register Notice

cc: W. Chubb  
J. Riley

R. Crandall

- 2 -

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Sincerely,

Annette Vietti-Cook  
Secretary of the Commission

Enclosure:  
Federal Register Notice

cc: W. Chubb  
J. Riley

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