

March 18, 2003

MEMORANDUM TO: Kathy Halvey Gibson, Chief
Emergency Preparedness and Health Physics Section
Equipment and Human Performance Branch
Division of Inspection Program Management
Office of Nuclear Reactor Regulation

FROM: Kathryn Brock/**RA**
Health Physicist (EP)
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING MEETING TO DISCUSS THE REVISION OF
APPENDIX I TO 10 CFR 50

DATE AND TIME: Friday, April 11, 2003
9:00-12:00

LOCATION: NRC
Two White Flint North
11555 Rockville Pike
Room T-10A1
Rockville, MD

MEETING CATEGORY: This is a Category 3 meeting. The public is invited to participate in this meeting by providing comments and asking questions throughout the meeting.

PARTICIPANTS: Participants from the NRC will include members from the Office of Nuclear Reactor Regulation. Interested members of the public can participate in this meeting via a toll free teleconference. For details please call the NRC meeting contact.

NRC, NRR
Kathryn Brock
Stephen Klementowicz

PURPOSE: To discuss the potential need for a revision of Appendix I to 10 CFR 50 to incorporate dose methodology consistent with 10 CFR 20.

MEETING CONTACT: Kathryn Brock, NRR
301-415-1647, kmb3@nrc.gov

Attachment: Meeting agenda

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Attachment: Meeting agenda

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OFFICE	DIPM/IEHB	DIPM/IEHB		
NAME	KBROCK*	KGIBSON		
DATE	3/11/2003	3/18 /2003		

**U.S. Nuclear Regulatory Commission
Notice of Public Meeting
Discussion of Revision of Appendix I to 10 CFR 50**

AGENCY: U.S. Nuclear Regulatory Commission

ACTION: Notice of public meeting in Rockville, Maryland

AGENDA:

- Introduction NRC
- Purpose of meeting NRC
- Background of issue NRC
- Options for update of Appendix I All
- Discussion All
- Review of meeting points and summary NRC

PURPOSE: To discuss the options available for addressing the inconsistency of dose methodology calculations used in Appendix I to 10 CFR 50 and 10 CFR 20. Information gathered from this meeting will aid staff in preparing a paper to the Commission.

BACKGROUND: Appendix I to 10 CFR 50 outlines numerical guides for nuclear power reactors to ensure radioactive gaseous and liquid effluents are as low as reasonably achievable. The issue for discussion is the use of different terminology and dosimetric modeling for calculating doses and for describing risks between 10 CFR 20 and Appendix I to Part 50. In 1994 the revised 10 CFR 20-Standards for Protection Against Radiation was published as a final rule, and the new Part 20 changed the basic methodology used to calculate radiation dose to an individual. Appendix I to Part 50 was not changed and still incorporates dose methodology used in the old Part 20. Over the past decade there have been discussions regarding updating Appendix I, and recently there has been input from industry representatives expressing their desire for a revised Appendix I that is consistent with the dose methodology applied in 10 CFR 20. With the expectation of new reactor applications, an update of this rule may be appropriate and timely. In addition, industry has commented that consistency between Part 20 and Part 50 is desirable for current licensees on a voluntary basis. Consistency in the regulations may reduce confusion and the need to explain the differences between two different dose methodologies. A revision of Appendix I to 10 CFR 50 could provide overall agreement between regulations and ease differences between the terminology and methods used for calculating doses and risks associated with radioactive effluents.

DISCUSSION ITEMS:

- What is the time frame for the revision?
- How will a revision of Appendix I affect current power plants? New applicants?
- Suggestions for revision of Appendix I.

- What have licensees been doing since the revision of 10 CFR 20?
- Should Appendix I and 10 CFR 20 be revised at the same time?