

JUN 22 1994

Mr. Roland G. Fletcher, Administrator
Radiological Health Program
Department of the Environment
2500 Broening Highway
Baltimore, MD 21224

Dear Mr. Fletcher:

We have reviewed the draft revisions to the Maryland Standards for Protection Against Radiation, as submitted. The rules were reviewed in comparison to the equivalent rules in the *Suggested State Regulations for the Control of Radiation (SSR)*, and the equivalent NRC regulations in 10 CFR Part 20.

As a result of the review, we have a number of comments, as enclosed. Please note that we have not identified compatibility divisions for the comments as the Commission has not made a final determination of the compatibility requirements for these rules. Also, please note that where a reference to a section of the SSR is given in a comment, the equivalent rule in 10 CFR Part 20 could also be used for the reference.

If you have any questions regarding the comments or any of the rules reviewed, please contact me or Mr. Richard Blanton of my staff at (301) 504-2322.

Sincerely,

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Paul H. Lohaus, Deputy Director
Office of State Programs

Enclosures:
As stated

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COMMENTS ON DRAFT RULES

Maryland Standards for Protection Against Radiation

<u>Definition</u>	<u>Comment</u>
ALARA	Use the SSR or CFR definition for this term.
Declared pregnant woman	Add the provision for the woman to give her estimated date of conception so the calculations in D.208 may be made.
Effective dose equivalent	There is a typographical error in the formula, W_t should be W_T .
Exposure	Delete the sentence "For purposes of these regulations, this term is used as a verb."
High radiation area	The definition specifies that rooms in which diagnostic X-ray systems are used are not considered high radiation areas. This should be changed to specify that the rooms are considered to be high radiation areas, but are exempted from the posting requirements of the rules. The other safety standards for high radiation areas should apply.
Member of the public	In the second sentence, change the words "... enters a restricted area ..." to read "... in which the individual receives an occupational dose ..." It is possible for a member of the public to enter a restricted area and not receive an occupational dose.
Occupational dose	Delete the words "... in a restricted area or ..." It is possible for an individual to enter a restricted area and not receive an occupational dose.
Public dose	After the words "... from exposure to ..." add "... radiation and to radioactive material released by the licensee or registrant, or exposure to ..." before the words "... sources of radiation." Delete the word "either."
Weighting factor w_T	The term is defined in both Part A and Part D of the Maryland rules. The definitions are the same, but one of them should be deleted.

<u>Regulations</u>	<u>Comment</u>
D.202b.iii	10 CFR 20.1202 - Change the symbol "H ₅₀ " to read "H _{7,50} "
D.206c	10 CFR 1206 - Add the following (underlined) text: " <u>The licensee or registrant, and employer if the employer is not the licensee or registrant</u> specifically authorizes the planned special exposure, in writing, before the exposure occurs."
D.301a	10 CFR 20.1301 - Add the provision: "c. If the licensee or registrant permits members of the public to have access to restricted areas, the limits for members of the public continue to apply to those individuals."
D.302b.i	10 CFR 20.1302 - The requirement to comply with the ALARA provision in §D.101a is not consistent with the other requirements of this rule. That requirement should be moved to another rule.
D.906b.i	10 CFR 20.1906 - Change "A.2" to read "A.2"
D.906b.ii	10 CFR 20.1906 - The added text appears to be redundant to paragraph b.i
D.906b.iii	10 CFR 20.1906 - Change "... the package has evidence of potential contamination ..." to read "... there is evidence of degradation of package integrity."
D.1001d.iv	10 CFR 20.2001 - Add the underlined: " <u>Disposal, or</u> storage until transferred to a disposal facility authorized to receive the waste."
Appendix B	Several typos noted, we recommend conducting a careful, two-person check of the table entry by entry against appendix B of 10 CFR Part 20.
Appendix F	A copy of this appendix was not submitted. The provisions must be adopted, unless included elsewhere in the rules.
D.1209a.ii	10 CFR 35.33 - Add "actions taken to prevent recurrence" to the list of items to appear in the report.