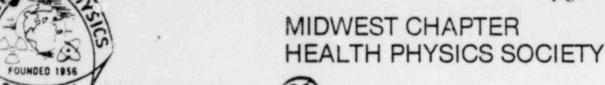
RH-905-1



PROPOSED RULE PR- 20 (45 FR 18023

June 12, 1980

Secretary of the Commission U.S. Nuclear Regulatory Commission Washington, D.C. 20555

Reference:

Federal Register, Vol. 45, No. 56, March 20, 1980, pp 18023-18026; "Advanced Notice of Proposed Rulemaking: Request for Public Comment," with regard

to revision of 10CFR Part 20.

Gentlemen:

We welcome the opportunity to make comment in advance of your proposed rulemaking (see reference). Our input and recommendations are provided below. Please let us know if further input would be appropriate as this project proceeds.

In general, we must question the need for such a major revision of 10CFR20. We fully appreciate the need for a periodic update of radiation protection legislation in order to stay in step with the state-of-the-art. Changes to require the combination of internal exposure with external exposure (as recommended in ICRP 26) or to update the MPC's to agree with the latest recommended annual limits of intake (ICRP 30) should be made on a timely basis. However, we know of no change of basic philosophy or dose equivalent limits which would recommend the need for the proposed massive revision of the code.

The introduction of major revisions will introduce a new ambiguity in the field of radiation protection. It will place the profession on a new and probably unnecessary learning curve with regard to their implimentation.

In standards development constancy is a major virtue. Changes ought to be made only when overwhelming evidence requires them. At the present we see no need for major revisions, and thereby conclude that they ought not be made.

In particular, our comments follow:

I. ESSENTIAL ELEMENTS

Radiation Protection Principles

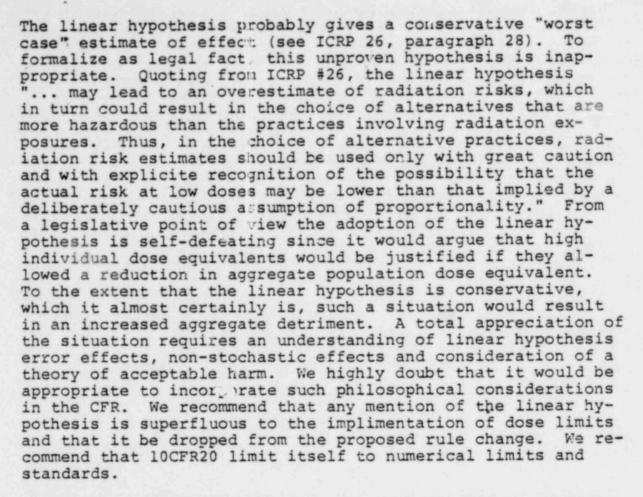
Acknowledged by card. 617/80 mdv

DOCKETED USNEC JUN 1 6 1980 > Office of the Secretary Docketing & Service Branch

If no other address is given, send replies to:

8007 00001

Edward Jascewsky, Executive Secretary Midwest Chapter - Health Physics Society Argonne National Laboratory Safety & Technical Building 9800 S. Cass Avenue Argonne, Illinois 60439



- (1) The requirement to demonstrate a priori that a net positive benefit will result from any radiation exposure will at best be nearly impossible to impliment and at worst could conceivably halt the use of radiation in medical, biological or chemical research, if not also throughout the field of radiotherapy. Since, in principle and in practice, the net benefit of research is unpredictable, the literal interpretation of such a requirement could be disastrous.
- b. Standards for Individual Occupational Exposures
 - (2) ICRP 26 recommends that, "... sufficient accuracy is obtained by using a single effective dose equivalent limit regardless c age or sex."
- c. Standards for Exposure of the General Public General comment ... what are "specific population groups?"
 - (1) Would these limits supersede 40 CFR part 190 limits, which are already law?

- (2) Would these limits supersede 10 CFR part 50, Appendix I limits, which are already law?
- (5) This is a good point. TMI-2 experience has shown that in the post-accident period, because of public demand, a plant must suddenly become a zero release plant which makes recovery more difficult.
- (8) This is a good point which could relieve some of our solid waste inventory problems without causing any adverse environmental impact.

II. PART 20 IMPROVEMENTS

a. Radiation Protection Principles

(1) We recommend that the CFR is not an appropriate medium of public education, nor need it be in order to serve its stated function.

To reiterate it is our opinion that while 10CFR20 deserves to be updated to take into account the state-of-the-art, we recommend that a major rewrite as proposed would be counterproductive to the purpose of radiation protection.

Sincerely yours,

John S. Brtis

Certified Health Physicist

Chairman - Legislative Committee

JSB:clm