

November 27, 1961

MEMORANDUM

To : Environmental Subcommittee
 T. J. Thompson
 J. C. Geyer
 F. A. Gifford
 K. R. Osborn
 L. Silverman
 C. R. Williams

From : J. B. Graham
 Executive Secretary, ACRS

Subject: REVISIONS TO PART 100 - REACTOR SITE CRITERIA

We have this date received copies of documents prepared by the Commission staff for the subcommittee meeting to be held on Wednesday, November 29. I am sending this memo to tell you of ~~the nature~~ the nature of the documents and the objectives of the meeting. We are unable to forward copies of these documents to you and at the same time retain a sufficient number for working use during the meeting. The expected attendance by the Commission during the subcommittee meeting consists of Messrs. Price, Lowenstein, DiNunno and ~~Wilson~~ *Waterfield*

The documents submitted consist of three items: (1) In draft form, a Commission staff paper entitled "Reactor Site Criteria," (2) a summation of comments received by the Commission following the publication of Part 100 in the Federal Register and (3) a draft of an AEC Technical Information Document which explains how to perform calculations related to the siting of reactors. (This item has not yet been furnished to us but we understand that it will be available during the meeting.)

The staff paper states that the problem before the Commission is to consider the publication as a regulation of site criteria for power and testing reactors. It points out that there was wide-spread objection to the publication of the ~~sample~~ calculation

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and to the apparent inflexibility of the guide. Attached as an appendix to the staff paper is a revised Part 100 showing by "strike out" those items which are to be deleted and in bracket form the additions which are recommended. The staff paper goes on to state that an attempt has been made in the new version to emphasize the interim nature of the guide. It points out that the sample calculation has been deleted. The calculational information will be furnished to the public and the scientific community by the publication of an ABC Technical Information Document to be issued separately. A section has been added to Part 100 which deals with the question of sites for multiple reactors.

Item 2 presents a summary of the formal comments received from industry, educational institutions and foreign governments. This item previously was furnished to ACRS members who attended a meeting between the Commission and representatives of the Atomic Industrial Forum held on July 31, 1961.

We anticipate that item 3 will be available for use during the meeting. I suspect that it contains several examples of how to perform the calculations which relate to siting of reactors. As you know, this technique of getting the word to the reactor designers was suggested to the Commission by the ACRS on numerous occasions in the past.

I understand that Subcommittee members will be arriving at various times during the morning of the meeting. I believe that there will be ample time for each individual to review these documents briefly before meeting with the Commission staff at 11:00 o'clock.

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