

REVIEWER (S) NAME: *WD [signature]*  
DATE: *8/10/95*

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BY R. *[signature]* *4/1/90*

Meeting 482 on October 12, 1950.

5. Authorization for Members of AEC Liaison Office to Engage  
in Classified Discussions

The General Manager reported that Mr. George L. Mercer, Administrative Officer, and Miss Florence Matson, stenographer, have recently been assigned to the staff of the AEC Liaison Officer at Chalk River. After discussion, the Commission.

AUTHORIZED George L. Mercer and Florence Matson to engage in classified discussions within the established area of cooperation with the United Kingdom and Canada under the terms set forth in AEC 379.

6. Office of Special Projects

The General Manager reported that he was issuing a revised GM Bulletin which provided that the Office of Special Projects would report directly to the General Manager rather than to the Director of Raw Materials as heretofore.

At this point Messrs. Strauser and McCarthy entered the meeting.

7. Oak Ridge Commercial Center

Mr. Bloch said that, as the Commission had been previously advised, plans were proceeding for development of the Oak Ridge Commercial Center by a single developer. The developer had asked the National Production Authority for an exception from the recent order restricting commercial construction. In response to questions from the NPA, the Commission's staff has stated that the center is part of the long-term plan for Oak Ridge and is a highly desirable facility for the community, but has not taken a position that construction of the center was necessary to the national defense, even though there have been indications that unless the Commission is willing to take this position the necessary exception may not be granted. The Commissioners expressed their concurrence in the action by the staff.

At this point Mr. Dean left the meeting and Mr. Smyth entered.

8. Amendment Relating to Capital Gains on Land Transfers at Savannah River

The General Counsel reported that the question of legislation to relieve from the capital gains tax individuals at Savannah River who sell their property to the government after purchasing other property had been discussed with Representative Doughton, Chairman, House Ways and Means Committee, Representative Durham of the Joint Committee and with Treasury representatives. It appeared that, owing to the press of business in the House Ways and Means Committee, it would be necessary for the

Commission to take a strong position supporting the urgency and necessity of such legislation to enable early passage. After discussion, the Commission:

AGREED that amendatory legislation regarding capital gains on land transfers at Savannah River was urgent and should be vigorously supported by the Commission.

9. Current Activities Reports

The General Manager and Division Directors reported on current developments at field installations of the Commission and on progress of matters under study by the staff. Questions by the Commission were discussed.

At this point Mr. Fleury entered the meeting and Messrs. Mullenbach, Hafstad, Noble, and Bloch left the meeting.

10. AEC 427 - Proposed Visit to Chalk River by U.S. Representatives for Discussions of Canadian Reactor Design

The Commission:

APPROVED the recommendation of AEC 427.

11. AEC 424 - Minimum Physical Provisions for Disaster Planning

The General Manager said that the program presented in the report under consideration had been worked out to assure that all possible and reasonable measures were taken for the protection of AEC installations and communities. In response to questions from Mr. Glennan, Mr. Fleury commented on the participation of personnel at field installations and the AEC communities in disaster plans and on expected financial costs. Mr. Pike and Mr. Murray suggested that the disaster planning program was properly a management responsibility rather than a matter of policy and was therefore one which the Commission should only note. After further discussion, the Commission:

a, NOTED that paragraph 14a of AEC 424 would be amended by substitution of the word "Note" for the word "Approve"; and

b. APPROVED, as amended in a above, the recommendation of AEC 424.

At this point Messrs. Cook, Warren, and Johnson entered the meeting.

12. AEC 301/6 - Export of Unclassified Technology

Mr. Smyth said that it had been his understanding, as a result of discussion of earlier cases of requests for export of unclassified technical data, that future cases of the same sort would come to the Commission for discussion in view of the complex considerations entering into the decision in each case and the difficulty of laying down clear-cut lines of policy guidance for the staff. In the present case, there were differences between the drawings requested by Professor Moon and those refused in the cases set forth in AEC 301/2 and AEC 301/3 which might justify a different decision. There was discussion of the security issues involved either in exporting drawings of accelerators or in refusing to export them and thus possibly calling attention to developments of interest to the atomic energy program; of the desirability of fostering an interchange of technical information such as that relating to unclassified high energy accelerators; of the bearing of export control policy on the questions of cooperation with the U.K. and Canada now under consideration by the Commission; and of the propriety of furnishing to foreign scientists extensive drawings and blueprints prepared at considerable cost in public funds. After discussion of these and other considerations, the Commission:

a. AFFIRMED the action of the staff in disapproving the request of Professor Moon for drawings of the Berkeley Van de Graaff;

b. NOTED that, as a result of existing AEC procedures and Department of Commerce regulations, the AEC export control staff screens proposed exports of unclassified technical data relating to equipment or materials over which AEC directly or indirectly exercises export controls, and that decisions regarding such proposed exports are made by the staff on the basis of experience in administering export controls over the items themselves and of the views of other staff divisions where appropriate; and

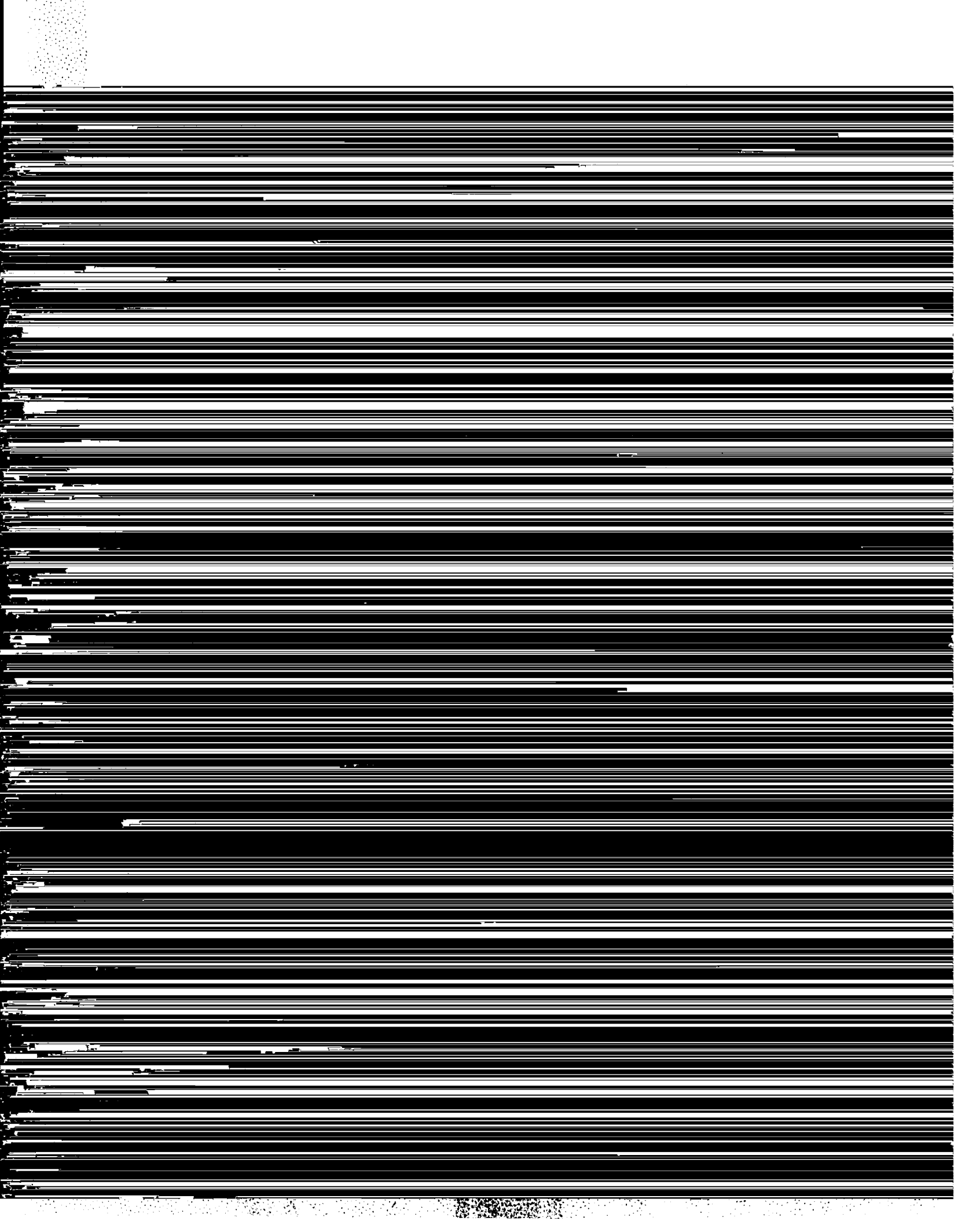
c. NOTED that the export control staff will continue existing arrangements for AEC review of such exports as described in b above, except that future cases involving foreign requests for a significant

During the above discussion Messrs. Fine, Platt, and Waller entered the meeting and at this point Messrs. Warren, Johnson, Fleury, and Strauser left.

### 13. AEC 426 - Initiator Program

Under consideration was a report (AEC 426) concerning projected future requirements for initiators and their critical materials, and means for their production. Mr. Boyer pointed out that the present report did not recommend any change in the principle of parity between cores and initiators, though study would be given to the subject. In response to questions from the Commissioners, Mr. Williams commented on the limitations of the Brookhaven reactor for emergency or supplemental production of initiator material, and on other possible alternate producers. He pointed out that relief either from development of substitute materials or from successful operation of the Mk. I or Mk. IV MTA was uncertain. For a relatively nominal sum, however, a high performance reactor optimized for production of Po-210 could be designed for construction at a location separate from other production facilities and bombproof, and thus afford indispensable insurance. He pointed out that, despite progress made in work on this problem for several years, the production of initiator materials still remained a particularly vulnerable point and he urged that the Commission authorize having design of such a high performance reactor completed and ready for any need. Mr. Weil said that design of the CP-5 reactor was well advanced and that the principle change for design of a production adaptation would be in the shield. Early selection of a site was necessary, however, since the site would affect the design.

Mr. Smyth said that he did not think construction of such a reactor should be authorized independent of consideration of the results of the other studies recommended in AEC 426. Before these studies were completed and brought together in a systems study of requirements for initiator materials and ways of producing them, however, plans for such a high performance reactor as an alternate means of production were needed for security. He proposed that the Commission decision on the present paper recognize that the primary purpose of the Materials Testing



Page(s) 170-171 remain(s) classified.

The withheld page(s) will be coordinated with the  
Department of Energy under NND 982027.