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October 1, 1952

Admiral George P. Kraker, Deputy Manager  
Santa Fe Operations Office

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John C. Bugher, M. D., Director  
Division of Biology and Medicine, Washington

PERMISSIBLE EXPOSURE LEVELS

BMBP:WDC

This will confirm the telephone call of Dr. Charles L. Dunham to you yesterday authorizing the permissible exposure of 3.9r of gamma radiation for test-site personnel, without regard to the rate at which the dose is accumulated, provided this exposure represents the total integrated dose over a period of thirteen (13) consecutive weeks.

This permissible exposure is in accord with the authorization for test personnel, as outlined in the memorandum of Dr. Shields Warren to Mr. Carroll Tyler on October 11, 1951. The Advisory Committee for Biology and Medicine, in its meeting of September 12, 1952, approved the use of this permissible exposure for all operations of the Atomic Energy Commission, in-plant as well as for bomb tests. This authorization, therefore, supersedes my memorandum of July 18, 1952 to Mr. Seth Woodruff approving the exposure of 3.0r over a period of ten (10) weeks. It also corrects the value of 3.0r referred to in Dr. Dunham's teletype to you of September 29, 1952.

Should the Test Director consider it desirable to set up somewhat more conservative levels for administrative purposes, particularly during actual test periods, that, of course, is his prerogative.

cc: Dr. Alvin Graves, LASL

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