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SUBJECT: CONTROL OF RADIOACTIVE CONTAMINATION FROM
LARGE YIELD WEAPONS

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Honorable Donald A. Quarles
Assistant Secretary of Defense
(Research and Development)
Washington 25, D. C.

Thru: The Chairman, Military Liaison Committee
to the Atomic Energy Commission

Dear Mr. Quarles:

In accordance with your letter of September 17, 1954, to Mr. Strauss and his reply of October 11, there are transmitted herewith two copies of a memorandum of November 9 from the Los Alamos Scientific Laboratory on the "Control of Radioactive Contamination from Large Yield Weapons" and two copies of a letter of November 9 from the Livermore Laboratory on the same subject. These provide information of the kind you requested. Whenever further information is available, it will be sent to you.

Your letter of November 5, 1954, to Mr. Strauss concerned informal contacts on this subject with personnel of the Atomic Energy Commission or its contractors by Dr. R. F. Bacher of your Technical Advisory Panel on Atomic Energy. Arrangements were made and carried out for discussions by Dr. Bacher with Dr. Jane H. Hall of Los Alamos and Dr. Ernest Martinelli of Livermore on November 9 in Washington. We shall be glad to arrange further discussions on this subject with Dr. Bacher whenever he so desires.

Continuing thought will be given by Los Alamos and Livermore to the possibilities for high yield weapons with both much more and much less associated radioactive contamination. In order that the

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BY AUTHORITY OF [redacted]
R.E. O'Brien 12/9/85
REVIEWED BY
J. Diaz 1/27/86
REVIEWED BY [redacted]

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* w/o enclosures
By: P. M. Sweetman 6/17/86

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FOLDER MAR 54 9-1 Radioactive fallout from high yield weapons

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Commission may know with what speed to press forward its investigations along these lines, the Commission requests a statement of the possible extent of the Department of Defense interest in such developments.

Sincerely yours,

K. D. Nichols
General Manager

Enclosures:

- 1. Memo dtd 11/9/54 LASL, Bell to Fields (Cys 5&6A)
- 2. Ltr dtd 11/9/54 UCRL, York to Fields (Cys 1&3B)

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