

FEB 25 1970

Mr. M. Novick  
 Assistant Laboratory Director  
 Argonne National Laboratory  
 Idaho Facilities  
 P. O. Box 2528  
 Idaho Falls, Idaho 83401

BEST COPY AVAILABLE

Subject: Experimental Cloud Exposure Study

Dear Mr. Novick:

The Division of Reactor Development and Technology has contracted with the Health Services Laboratory to carry out an experimental program to measure radiation doses from clouds of gamma emitting radionuclides.

We plan to carry out a series of tests at Grid 3, which is just north of CPP, during the second week in March. A sodium-24 aerosol will be released over periods ranging up to 30 minutes at the smallest rate necessary to measure the radiation dose reliably. Our first test is planned for March 9, probably in the afternoon. We are quite certain that the tests can be carried out without producing air concentrations of the sodium-24 aerosol at any facility on-site that will even approach the off-site Radioactivity Concentration Guide for sodium-24. However, the concentrations may be measurable for short time periods at your facility and we would like you to be fully aware of what we are doing. Toward this end, you and/or your representatives are invited to attend a meeting in the conference room at CF-690 at 1:00 p.m. on March 3. The purpose of this meeting is to acquaint you with the program and discuss the possible interactions with your facilities.

If you have any questions about the meeting please contact Charles A. Pelletier, Chief, Environmental Branch.

Very truly yours,

George L. Voelz, M.D., Director  
 Health Services Laboratory

HSL

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*Dwn # 4 Cabinet # 4*  
 BOX No. RESL CFA 690 Room #102  
 SUBJ: Let to Mr. Novick from G. L. Voelz  
 FOLDER upon Experimental Cloud Exposure Study

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