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Dr. Nicholas Smith
c/o Los Alamos Scientific Laboratory
Los Alamos, New Mexico

Dear Nick:

This is in reply to your letter of October 19 requesting additional information from Urry.

As you may have guessed, Urry has been a very busy man these last few weeks and it was not possible to see him. However, I talked to Dr. Rock and he has just given me the latest information that they have. The data you have on X-ray and Able is still the latest dope. Their attention has been directed towards other things the last few weeks. They do not have any information on Baker. As for Joe, they have concentrated on getting the larger particles from the airborne filters. To date the maximum size is 3.4 μ in diameter. However, since they have not started on the ground filters yet, there is no data on particle size distribution. There is one very peculiar point here that may interest you. After they have removed all particles that are visible on the radioautographs, about 50% of the activity still remains on the filter paper. This is something that they have not observed before.

As for the controversy between Cascade impactor tests and filter paper tests, Dr. Rock states that when radioautographs of the slides were taken, they gave the same pattern that was observed on the filter paper. In other words, in the Cascade impactor tests, all non-radioactive dust was included in the results. The Tracer Lab work has considered only those that are radioactive. Dr. Rock further stated that it will be at least 4 weeks before they will have more complete data on particle size since they are concentrating on other phases of the work.

I hope this will be of some assistance to you. I realize we have not answered your question, but unfortunately the answers are not available at this time. Perhaps when you return to Oak Ridge you can spend a day here and at that time we can get more dope.

As you can see by this letter, the dope I have just given you is ~~_____~~

Very truly yours,

~~_____~~

L. Joe Deal
Applied Biophysics Branch
Division of Biology and Medicine

OFFICE ▶	B+M			
SURNAME ▶	Deal			
DATE ▶	10-21-49			

DOE ARCHIVES

Shields Warren
R. Elms 5/29/50
October 27, 1949
Shields Warren
R. Elms
Name _____ Title _____ Date _____
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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORIZED BY: <i>AA SINISGALLI 11/2/94</i>	DETERMINATION (CIRCLE NUMBER(S)) 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: 3. CONTAINS NO DOE CLASSIFIED INFO 4. COORDINATE WITH: 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY):
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