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DAMES & MOORE

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September 8, 1977

Dr. R.E. Wildung, Manager
Environmental Chemistry
Battelle Northwest Laboratory
Battelle Boulevard
Richland, Washington 99352

Dear Ray:

On August 25, 1977, I delivered to your custody the files of records and data from fallout studies made from 1947 to 1962, including the logbooks of samples presently in storage at the Nevada Test Site. These samples are in custody of the Nevada Applied Ecology Group. This transfer of records, etc. is in accordance with the agreement we reached after your review of my report submitted as per Consultant Agreement BCR-843, dated October 8, 1973.

This releases me from the assigned obligation as caretaker of this historical unclassified* information. I accepted this responsibility when I terminated my position at UCLA in 1965 because the group at UCLA did not wish to continue with related fallout studies at that time. The release of records and data and the associated samples from UCLA was set up through Dr. J.F. Ross, former director of the Laboratory of Nuclear Medicine and Radiation Biology, School of Medicine, UCLA, and Dr. C. Dunham, former director of the former Division of Medicine and Biology, USAEC.

These files include the following items:

1. The gross radioactivity per size fraction on several size fractions per sample of nuclear fallout from about ten detonations of the Plumbbob Test Series (1957). Some size fractions were analyzed for certain radionuclides; all other size fractions were in storage.
2. Field measurements of gamma radiation intensity obtained by the radiation recorders prelocated before fallout occurred, across

*All information and samples in this transfer were declassified by the Civil Effects Test Group of the former DBM, USAEC, and the Laboratory of Nuclear Medicine and Radiation Biology, UCLA.

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REPOSITORY DOE-FORRESTAL
COLLECTION MARKEY FILES

BOX No. 5 of 6
2.23 Exercise "Desert Rock"
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Mr. R.E. Wildung, Manager
September 8, 1977
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and along the fallout patterns of about ten detonations of the Plumbbob Test Series. Similar data were obtained on fallout from three detonations in the Teapot Series (1955).

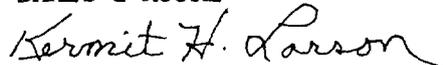
3. Data on ashed samples of bone and other tissues from rabbits and other rodents indigenous to the fallout patterns. Many samples are in storage.
4. Records of the aerial radiation surveys made during the Plumbbob Series.
5. Records of the 1947-1951 annual surveys made along the Shot Trinity, New Mexico.
6. Annual surveys made along various fallout patterns from the NTS Testing Programs, in some cases out to 800 miles from Ground Zero. Samples are in storage.

Shot Smokey, Plumbbob Series, was documented and sampled in more detail than other detonations. These data and associated samples may be of interest to some persons in DOE at this time.

I would sincerely welcome the opportunity to contribute my knowledge and experience of several decades of studies of fallout phenomenology and radioecology at NTS and its environs. Please call if you have questions.

Very truly yours,

DAMES & MOORE



Kermit H. Larson
Senior Environmental Chemist

KHL:mm

cc: ✓ Dr. James L. Liverman, Assistant Administrator
Environment and Safety
Energy Research and Development Administration
Washington, D.C.
Attention: Mr. Hal Hollister, Deputy

Dr. Paul B. Dunaway, Director
Bioenvironmental Sciences
Office of Effects Evaluation
Energy Research and Development Administration
Nevada Operations Office
Las Vegas, Nevada 89114

Mr. James J. Fuquay, Assistant Director
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