

OAK RIDGE NATIONAL LABORATORY

OPERATED BY

UNION CARBIDE CORPORATION

NUCLEAR DIVISION



POST OFFICE BOX X

OAK RIDGE, TENNESSEE 37830

January 28, 1976

Dr. Anthony Tse
Transportation and Products
Standards Branch
Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Dr. Tse:

In response to your recent telephone request, I am sending you the enclosed reports dealing with the release of plutonium from weapons accidents. All the information is unclassified, but some is not easily accessible. There is a large amount of indirectly related material on the subject of plutonium in the environment, but I am restricting my response to your particular request.

I want to suggest a contact in the Division of Biomedical and Environmental Research within ERDA who is familiar with this particular subject. His name is Dr. Martin Minthorn, and I am quite certain that he could be helpful to you. His telephone number is 973-5468.

You may keep the enclosed reports except for the report entitled "Project Crested Ice" (AFRP-122-1, Vol. 65, 1970) which is my final copy. Please return this report as soon as possible.

Please let me know if I can be of further assistance to you in this matter.

Sincerely,

Chester R. Richmond

Chester R. Richmond
Associate Director for
Biomedical and Environmental
Sciences

CRR:br

Enclosures

bc: M. B. Biles
J. L. Liverman
J. R. Maher
M. L. Minthorn ✓

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Reports

- E. R. Ramos, Palomares Two Years After, In: Proceedings of a Symposium on Radiological Protection of the Public in a Nuclear Mass Disaster, International Radiation Protection Association, Interlaken, Switzerland (May 26-June 1, 1968), paper 0.4.
- E. Iranzo, First Results from the Programme of Action following the Palomares Accident, In: Proceedings of a Symposium on Radiological Protection of the Public in a Nuclear Mass Disaster, International Radiation Protection Association, Interlaken, Switzerland (May 26-June 1, 1968), paper 5.7/K.
- E. B. Fowler, J. R. Buchholz, C. W. Christenson, W. H. Adams, E. R. Ramos, M. Celma, E. Iranzo, and C. A. Ramis, Soils and Plants as Indicators of the Effectiveness of a Gross Decontamination Procedure. Los Alamos Scientific Laboratory report LA-DC-9544 (1968).
- L. T. Odland, R. L. Farr, K. E. Blackburn, and A. J. Clay, Industrial Medical Experience Associated with the Palomares Nuclear Incident, J. Occup. Med. 10, 356-362 (1968).
- C. A. Ramis and A. G. de los Santos, Contamination de gasteropodes terrestres habitant un biotope a bas niveau de contamination α due au plutonium et a l'uranium, In: Actes du Symposium International de Radioecologie (1969), pp. 961-982. Los Alamos Scientific Laboratory translation LA-TR-74-11 (1974).
- M. D. L. Saenz and E. Ramos, Fisiopatologia de la contaminacion por plutonio: Conceptos fundamentales, Energia Nuclear 17(84) (1973). Los Alamos Scientific Laboratory translation LA-TR-74-16 (1974).
- E. Iranzo and E. Ramos, Determinacion del Riesgo a que ha estado sometida la poblacion como consecuencia de un accidente nuclear generaldor de un aerosol radiactivo, In: Environmental Contamination by Radioactive Materials, International Atomic Energy Agency, Vienna (1969), pp. 529-540. Los Alamos Scientific Laboratory translation LA-TR-74-10 (1974).
- E. Iranzo and S. Salvador, Inhalation Risks to People Living Near a Contaminated Area, presented at the Second International Congress of the International Radiation Protection Association, Brighton, England (May 3-8, 1970).
- E. Ramos and E. Iranzo, Experience of an Accidental Contamination by Radioactive Materials -- Palomares 1966, presented at the Second International Civil Defense Symposium on Nuclear Radiation Hazards, Monaco (October 10-15, 1966).
- W. D. Moss, Report on Bioassay Laboratory in Madrid, Spain. Los Alamos Scientific Laboratory report H5MR66-1 (September 1966).
- "The Problem of Large-Area Plutonium Contamination," U. S. Dept. of Health, Education, and Welfare, Public Health Service, Consumer Protection and Environmental Health Service, Environmental Control Administration, Seminar Paper No. 002 (Dec. 1968).
- "Project Crested Ice," USAF Nuclear Safety, AFRP 122-1, Vol. 65, No. 1, (1970).