



UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON NUCLEAR WASTE
WASHINGTON, DC 20555 - 0001

January 20, 2004

Dr. Jacob Paz
1200 S. Redwood St. #89
Las Vegas, NV 89145

Dear Dr. Paz:

We received your letter and attachments dated December 4, 2003, regarding risk assessment of complex mixtures and so-called "bystander effects." Most of the materials you sent have been formally published. Citations for these papers have hereby been made an official record and placed in NRC's central files for consideration in Yucca Mountain licensing proceedings. The citations are given below:

Goldberg, Z. and B. Lehnert, 2002, Radiation-induced effects in unirradiated cells: A review and implications in cancer, *International Journal of Oncology*, **21**, 337-349.

Mothersill, C. and C. Seymour, 2003, Low-dose radiation effects: Experimental hematology and the changing paradigm, *Experimental Hematology*, **31**, 437-445.

Kellerer, A., 2002, Radiation risk - historical perspective and current issues, *Journal of Radiation Protection*, **22**, A1-A10.

Ballarini, F., M. Biaggi, A. Ottolenghi, and O. Sapora, 2002, Cellular communication and bystander effects: a critical review for modelling low-dose radiation action, *Mutation Research*, **501**, 1-12.

Katsifis, S., M. Shamy, L. Kinney, and F. Burns, 1998, Interaction of nickel with UV-light in the induction of cytogenetic effects in human peripheral lymphocytes, *Mutation Research*, **422**, 331-337.

Your draft paper, "Potential Health Impact of Complex Chemical and Radionuclide Mixtures Due to Proposed Nuclear Waste Repositories," has also been made part of that official record. We recommend that you submit it for formal peer review to a relevant scientific journal. Examples could include the *Journal of Oncology*, *Mutation Research*, and the *Journal of Radiological Protection*.

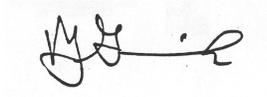
Dr. Jacob Paz

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We appreciate the comments you made at our November 2003 ACNW meeting in Las Vegas, Nevada. Another meeting that may be of interest to you is our upcoming Working Group on Biosphere Dose Assessments for the Proposed Yucca Mountain High-Level Waste Repository. This meeting will be held here in Rockville, Maryland, on February 24-25, 2004, and will provide additional opportunities for you and others to comment on the proceedings.

Thank you for your interest in our Committee's activities.

Sincerely,

A handwritten signature in black ink, appearing to read "B. John Garrick". The signature is written in a cursive style with a horizontal line extending to the right.

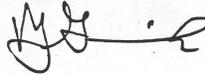
B. John Garrick, Chairman
Advisory Committee on Nuclear Waste

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Sincerely,



B. John Garrick, Chairman
Advisory Committee on Nuclear Waste

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