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Formerly Utilized Sites Remedial Action Program (FUSRAP)

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# ADMINISTRATIVE RECORD

for Maywood, New Jersey

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U.S. Department of Energy

OAK RIDGE NATIONAL LABORATORY  
MANAGED BY LOCKHEED MARTIN ENERGY SYSTEMS, INC.  
FOR THE U.S. DEPARTMENT OF ENERGY

JUL 13 9 42 AM '95

1060 Commerce Park Drive  
MS-6480, Room 259/22  
OAK RIDGE, TENNESSEE 37830

July 5, 1995

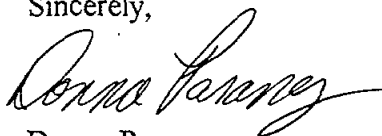
Distribution:

**FYI--ATSDR Health Risk Evaluation at Maywood Area**

Enclosed please find a letter from Carol Connell of ATSDR releasing the findings of a health risk evaluation conducted for a residence near the Maywood Site. The subject of the evaluation is radiation exposure. The results of the evaluation did not find any significant radiation risk for the family living at the residence.

This letter is being provided for your information to keep you apprised of the activities occurring at Maywood. If you have any questions or if I can be of any assistance, please do not hesitate to call me.

Sincerely,



Donna Parang  
Center for Risk Management  
Ph: 615-241-4221, fax: -4283

DJP:djp

cc: (No/enc.)

Carol Connell (ATSDR)  
Susan Yurasevecz (CRM)

cc: (w/enc.)

Todd Jones (DOE/EM-431)  
Gerald Peterson (DOE/EH-42)  
Jim Wagoner (DOE/EM-421)  
Les Price (DOE/OR)  
Susan Cange (DOE/OR)



Agency for Toxic Substances  
and Disease Registry  
Atlanta GA 30333

**received**  
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JUN 23 1995

Mr. & Mrs. Sokol and Xhevrije Shala  
108 Avenue E  
Lodi, New Jersey 07644

Dear Mr. and Mrs. Shala:

As requested during our meeting on May 25, 1995, and in your letter dated May 28, 1995, we have evaluated the health risks associated with the level of radiological contamination in the soil around your home and have concluded that this level does not pose a health risk to you or your family.

Soil Contamination: The total calculated exposures were much less than the allowable level to the public of 100 millirem/year (or 1 millisievert/year) above background levels. For our evaluation, we used the contamination levels reported for your property in *Results of the Radiological Survey at 108 Avenue E, Lodi, New Jersey (LJ084)*, dated June 1989, and *Remedial Investigation Report for the Maywood Site, New Jersey, Volumes I and IV*, dated October 1992. We calculated total exposure levels for different age groups. Our analysis focused on thorium-232, because it is the main radiological contaminant reported in the area above clean-up levels (5 picocuries/gram). However, to be as cautious as possible, we also included in our calculations reported levels of radium-226, uranium-238, and thorium-232 decay products including background levels. In addition, we assumed a fairly high level of exposure (for example, we assumed ten-year-old children played outside eight hours a day, six days a week, for 26 weeks a year, and assumed they inhaled dust outside and inside the house all year.)

The total potential doses for each age group from exposure to contaminated soil and household dust through swallowing, breathing and external exposure were as follows: children at 2 ½ years old, children approximately 10 years old, and adults - all less than 10 millirem/year (or 0.1 millisievert/year).

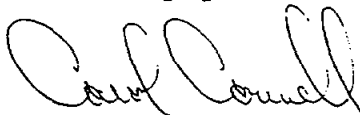
We know that DOE has committed to cleaning-up your property and is in the process of recharacterizing the contamination levels. However, we can reassure you that during this time

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before the clean-up, you and your family are not being exposed to radiation at levels that pose a health threat.

Enclosed are copies of the reports that you had mailed to us with your letter. These two reports described the extent of surface contamination in your backyard a little differently. After looking at the results reported in the Appendix E tables (copies enclosed), it appears that the contamination probably exists only on the surface in two or three discrete locations (as described in the 1989 report) and the concentrations found are very close to the clean-up levels for thorium-232 and radium-226 (5 picocuries/gram of soil for both). If new data become available, we will be glad to re-evaluate your concerns. If you have any questions, please feel free to contact me at (404) 639-6060.

Sincerely yours,



Carol Connell  
Health Physicist  
Energy Section B  
Federal Facilities Assessment Branch  
Division of Health Assessment  
and Consultation

Enclosure

cc:

Robert A. Meyers, Counsellor At Law  
David Adler, DOE/FUSRAP  
Angela Carpenter, EPA/RII  
Susan Yurasevecz, ORNL  
Arthur Block, RII, ATSDR  
Steve Jones, RII, ATSDR  
Burt Cooper, ESB/FFAB/DHAC, ATSDR  
PERISB