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Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for Maywood, New Jersey



U.S. Department of Energy

117556



Department of Energy

Washington, DC 20585

JUN 20 1 32 PM '94

JUN 16 1994

Mr. and Mrs. Harold Dunn
146 West Central Avenue
Maywood, New Jersey 07607

Dear Mr. and Mrs. Dunn:

Oak Ridge National Laboratory (ORNL) has supplied me with the enclosed report for the additional radiological survey performed on your property. The survey shows that the radioactivity on your property is below the applicable cleanup guidelines for uranium, radium, and thorium in soil.

In an effort to be certain of our conclusions, this survey used two steps that are not ordinarily used. First, a civil surveyor established the property boundaries, a procedure not always followed in radiological surveys. Second, the Southwest corner of the property was intensively sampled at 1 meter intervals. (I have not previously been involved in a survey that has used a 1 meter sampling interval. Sampling at much wider intervals is more frequently used in this type of survey.) These unusual steps were taken to clearly delineate whether there is residual radioactive materials above the applicable guidelines on your property.

The results of the survey are quite clear. The applicable limits are an average of 5 picoCuries per gram of thorium (above background) in soil. Almost all samples are below this level even without subtracting an estimated background of .9 picoCuries per gram of thorium. Although a few spots exceeded 5 picoCuries per gram of thorium, the survey report indicates, "The area represented by the elevated concentrations of radioactive nuclides is very small (less than 1 m²)." Finally, when the concentration is averaged across the whole area, it is well below the applicable limit by a considerable margin.

I am sorry that questions have arisen as to whether remedial action might be necessary at your home, and I feel that this report should put the questions to rest. I would be happy to answer any questions you might have or discuss



the report with you further. If this would be helpful, please feel free to call me at (301) 903-8149.

Sincerely,



W. Alexander Williams, PhD
Designation and Certification Manager
Division of Off-Site Programs
Office of Eastern Area Programs
Office of Environmental Restoration

Enclosure See Administrative Record Documnet # M-702

cc:

S. Cange, OR

M. Murray, ORNL

L. Woods, DOE Maywood Information Center