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121223-01

Formerly Utilized Sites Remedial Action Program (FUSRAP)

ADMINISTRATIVE RECORD

for Maywood, New Jersey



U.S. Department of Energy



121223

03.582

Department of Energy

Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831-8723

September 30, 1994

Ms. Angela Carpenter
U.S. Environmental Protection Agency
Federal Facilities Section
26 Federal Plaza
New York, New York 10278

Dear Ms. Carpenter:

MAYWOOD SITE - TRANSMITTAL OF NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)

Enclosed for your information are the results of radionuclide emission calculations performed by the Department of Energy (DOE) in preparation for the scheduled removal of soil from the pile at the Maywood Interim Storage Site (MISS).

The contaminated soil to be removed is presently contained within the fully encapsulated storage pile on-site. The soil will be transported by rail from the site and shipped to Envirocare in Clive, Utah. Preparatory activities have commenced and shipment is scheduled to begin the week of October 10, 1994.

The enclosed results were performed in compliance with NESHAP Subpart H requirements. The results demonstrate that anticipated emissions of non-radon radionuclides from site activities associated with removal of soil would produce a dose of 0.072 mrem/yr to the maximally exposed individual located 50 meters north-northeast of the pile. The 0.072 mrem/yr dose is less than 1 percent of the annual allowed NESHAP dose of 10 mrem/yr.

Compliance with NESHAP Subpart Q has been demonstrated by the performance of semiannual radon flux monitoring of the pile and the site's ongoing perimeter emissions monitoring program. The maximum recorded radon flux value from the May 1994 sampling event was 0.20 pCi/m²/s, a measurement well below the NESHAP standard for radon of 20 pCi/m²/s. Radon flux monitoring results have been provided to the EPA Region II Radiation Branch and are also included in the annual site environmental report.

Please feel free to contact me at (615) 576-5724 if you have any questions.

Sincerely,

Handwritten signature of Susan M. Cange in cursive.

Susan M. Cange, Site Manager
Former Sites Restoration Division

Enclosure:

cc: Paul Giardina, EPA II
Nick Marton, NJDEP