



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

JAN - 8 1993

CERTIFIED MAIL - RETURN RECEIPT REQUESTED P 106 973 213

Mr. Jerry L. Bellows, Area Manager
Albuquerque Field Office
Los Alamos Area Office
U.S. Department of Energy
Los Alamos, New Mexico 87544

Re: National Emission Standards for Hazardous Air pollutants
(NESHAP), 40 C.F.R. 61, Subparts A and H, Standards for
Radionuclide Emissions from Department of Energy Facilities

Dear Mr. Bellows:

My staff have completed review of your application dated October 14, 1992, for preconstruction approval of a new stationary source of radionuclide emissions at the existing DOE facility of the Los Alamos National Laboratory (LANL) at Los Alamos, New Mexico. The LANL facility and the proposed new source construction are subject to the Federal standards for radionuclide emissions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) in 40 C.F.R. 61, Subparts A and H.

Specifically, your application is for approval to construct the Mobile Decontamination Trailer (the trailer), to accomplish the following objectives:

- 1) Remove radioactive surface contaminants from approximately 50 tons of lead bricks previously used, primarily, at the Omega West Reactor and presently stored at Technical Area 54, Waste Disposal Site.
- 2) Utilize the trailer for decontamination of other, unspecified, contaminated lead bricks.

Under Subpart H, we consider the entire LANL site to be the facility so that the proposed activity is a "modification" to the existing facility and not the "construction of a new facility". Emissions to the air from operation of the trailer are



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General

conservatively estimated to be 7.3×10^7 curies per year of mixed fission and activation products, as specified in Section 4 of the Application. The maximum annual effective dose equivalent (ede) to the nearest off-site individual, from this source, is projected to be 1.9×10^{-6} millirems ede. The additional dose to the maximum exposed individual northeast of the Los Alamos Meson Physics Facility (LAMPF) would be less than 1.9×10^{-6} millirems ede, and this amount of radiation dose is not significant when compared to the emission standard specified at 40 C.F.R. 61.92.

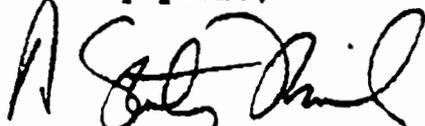
Based on our review of the information received in your application, Region 6 of EPA has determined that the proposed Mobile Decontamination Trailer new source of radionuclide emissions, when constructed and operated as described in the application, will not cause emissions in excess of the requirements and provisions of 40 C.F.R. Part 61, Subparts A and H. Approval is hereby granted for your October 14, 1992, application to construct the Mobile Decontamination Trailer at the Los Alamos National Laboratory, Los Alamos, New Mexico. This approval is granted solely under Section 112 of the Clean Air Act, and implementing regulations at 40 C.F.R. 61, and in no way affects approvals or activities required by other Federal or state regulatory authorities.

This approval only applies to the decontamination of lead bricks contaminated at the rates and contamination levels typical of those for which this application is approved. If decontamination (or other) operations at the trailer are planned to be performed in the future which lead to higher dose projections, this would constitute an additional modification requiring prior approval by EPA.

All notifications and reports required by applicable NESHAP should be sent to:

Mr. A. Stanley Meiburg, Director
Air, Pesticides & Toxics Division (6T)
U.S. EPA, Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

Sincerely yours,



A. Stanley Meiburg
Director
Air, Pesticides & Toxics Division (6T)

cc: C. Williams, NM Environment Department