

Department of Energy
Los Alamos Area Office
Albuquerque Operations Office
Los Alamos, New Mexico 87544

OCT 13 1994

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Coby Muckelroy, Program Manager
RCRA Enforcement Program
Hazardous and Radioactive Materials
Bureau
New Mexico Environment Department
525 Camino de los Marquez
P. O. Box 26110
Santa Fe, New Mexico 87502

Dear Mr. Muckelroy:

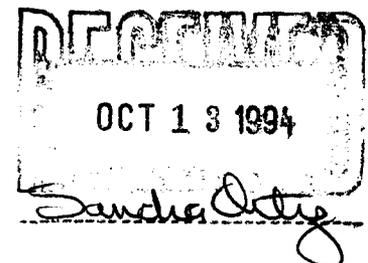
Subject: Waste Analysis Plan and Notification of Waste Generator
Treatment: Lead Decontamination Trailer

Pursuant to the land disposal restrictions in 40 CFR §§ 268.7(a)(4) and 268.9(d), the Department of Energy (DOE) and the University of California have developed the enclosed waste analysis plan for the decontamination of lead bricks and shielding by the lead decontamination trailer located at Los Alamos National Laboratory (LANL), Technical Area 50. The lead decontamination trailer removes radionuclides from the surface of lead bricks and shielding. In turn, the resulting decontaminated lead is placed back in use by LANL. Abrasive particles are used to physically remove the radionuclides from the surface of the lead. In time, as the particles lose their effectiveness, they are replaced with fresh abrasive. The resulting spent abrasive consists of a slurry that contains toxicity characteristic concentrations of lead (i.e., greater than 5.0 mg/l).

The resulting lead is then stabilized with concrete to render the final form a non-hazardous, low-level radioactive waste. This treatment meets the standard for lead contaminated waste in 40 CFR §268.41, Table CCWE. Confirmation of appropriate treatment has been demonstrated in both bench top and process generated lead contaminated slurry. Because the lead decontamination process includes the generation and subsequent treatment of mixed waste in a container, DOE and LANL are required to send a notification to the New Mexico Environment Department. This letter serves as the notification required by the land disposal restrictions.



16625



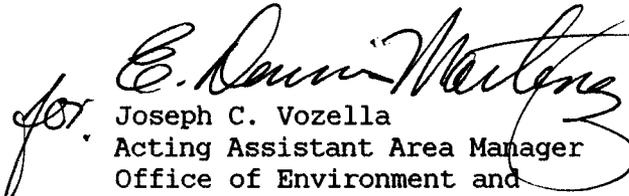
OCT 13 1994

Coby Muckelroy

2

If you have any questions regarding this notification, please contact Jon Mack of my staff at (505) 665-5026.

Sincerely,

for 
Joseph C. Vozella
Acting Assistant Area Manager
Office of Environment and
Projects

LAAMEP:9JM-100

Enclosure