



## Department of Energy

Albuquerque Operations Office  
Los Alamos Area Office  
Los Alamos, New Mexico 87544

SEP - 6 1996



### CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Benito J. Garcia, Chief  
Hazardous and Radioactive  
Materials Bureau  
2044 Galisteo St., Building A  
P. O. Box 26110  
Santa Fe, New Mexico 87505

Dear Mr. Garcia:

Subject: Research, Development, and Demonstration (RD&D) Permit Application:  
Electrochemical Treatment Unit (ETU)

The purpose of this letter is to request approval of the enclosed application for a RD&D Permit for the Los Alamos National Laboratory (LANL) ETU. The ETU is an experimental pilot scale unit to demonstrate the technical feasibility and performance capability of electrochemical treatment for existing LANL low-level mixed waste streams.

The permit application has been prepared in accordance with the New Mexico Administrative Code, Title 20, Chapter 4, Part 1 (20 NMAC 4.1), as revised November 1, 1995, Subpart IX, §270.65, which provides for RD&D permits for those hazardous waste management facilities that propose to use innovative and experimental hazardous waste treatment technology for which permit standards have not been promulgated. The research objective of the work to be conducted under this proposed RD&D permit is to experimentally define waste streams that are amenable for electrochemical treatment recently developed at LANL, to determine conditions for electrolysis of these waste streams, and to assess the feasibility of processing larger batch waste quantities than allowed under treatability studies.

The ETU will be located at Technical Area 50, Building 37, Room 117, to utilize the existing mixed waste container storage area. A certification statement is provided for the additional information presented in this permit application. Electronic copies of the submittal have also been included.



15519

Benito J. Garcia

2

If you should have any questions or comments concerning this permit application, please contact Jody Plum, Office of Environment and Projects, at (505) 665-5042.

Sincerely,



G. Thomas Todd  
Area Manager

LAAMEP:9JP-038

Enclosures

cc w/enclosures:

Ms. Barbara Hoditschek, Program Manager  
RCRA Permitting Program  
Hazardous and Radioactive Materials  
Bureau  
New Mexico Environment Department  
2044 Galisteo Street, Building A  
P. O. Box 26110  
Santa Fe, NM 87505

---

**Los Alamos National  
Laboratory**

**Research, Development and  
Demonstration (RD&D)  
Permit Application**

**Electrochemical Treatment Unit**

**August 1, 1996**