



Report

**Solid Waste Regulatory Compliance**  
P.O. Box 1663, Mail Stop K490  
Los Alamos, New Mexico 87545  
(505) 667-0666/Fax (505) 667-5224

Date: March 1, 2005  
Refer To: ENV-SWRC:05-014

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. John Kieling  
RCRA Permits Program  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505-6303



**SUBJECT: 2004 ANNUAL HAZARDOUS WASTE TREATABILITY REPORT**

The purpose of this letter is to submit the hazardous waste treatability study report required by New Mexico Administrative Code, Title 20, Chapter 4, Part 1 (20.4.1 NMAC) as revised October 1, 2003, (incorporating 40 CFR § 261.4(f)(9)).

Los Alamos National Laboratory (LANL) conducted one treatability study that was completed in calendar year (CY) 2004. The attached document provides information on the nature, status, and close out of this study. Currently, there are no new treatability studies planned for CY 2005. In the event that treatability studies are proposed during this calendar year, a notice of intent to conduct the study will be prepared and submitted to your office as required by 20.4.1 NMAC, (incorporating 40 CFR § 261.4(f)(1)).

If you have any questions regarding the hazardous waste treatability study reporting documents contained in this report, please contact Luciana Vigil-Holterman of my staff at 505-665-3435.

Sincerely,

Tony Grieggs  
Group Leader

TG:LVH:vc

Enc. (1) 2004 Treatability Study Information For Los Alamos National Laboratory  
(LANL) EPA I.D. No. NM0890010515



Mr. John Kieling  
SWRC:05-014

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May 1, 2005

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**2004 TREATABILITY STUDY INFORMATION FOR**  
**LOS ALAMOS NATIONAL LABORATORY (LANL)**  
**EPA I.D. NO. NM 0890010515**

***Treatability Study Description:*** Filtering Organic Solutions to Reduce Actinide Concentration

**Type (by process) of treatability study conducted:**

This project consists of using several filtering technologies that are designed to reduce spent trichloroethylene's (TCE) actinide concentration to below 50 nanocuries per gram (hereafter referred to as low-level).

**Person conducting the treatability study:**

Jerry Freer, NMT-5

**Type of waste subject to the treatability study:**

Radioactive contaminated spent TCE at transuranic levels

**Date the shipment of waste for the treatability study was received:**

The samples were received on the same day the waste was treated. The waste was generated at the location where the study occurred, therefore, it was never shipped.

**Quantity of waste in storage and subjected to treatment each day:**

<u>Date</u>	<u>Amount</u>
5/15/2003	16 kg
2/18/2004	41 kg
3/31/2004	82 kg

A total of 139 kg was accepted and treated for this treatability study.

**Date the treatability study was concluded:**

Study was concluded on March 31, 2004.

**Final disposition of residues:**

No unused sample or residues were returned to the generator for the treatability study. All waste generated from the study was managed through NMT-7 as low-level mixed or transuranic mixed waste.