

RED LANL FFCO/02



Environmental Science & Waste Technology/Waste Management
Off-Site Source Recovery (OSR) Project
P.O. Box 1663, Mail Stop: J552
Los Alamos, New Mexico 87545

Date: January 22, 2002
Refer to: E/WMOSR:02-01

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Carl Will
Permits Management Program
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park East, Bldg. 1
Santa Fe, New Mexico 87505

SUBJECT: NOTICE OF COMPLETION, FEDERAL FACILITY COMPLIANCE ORDER (FFCO), SITE TREATMENT PLAN (STP), COMPLIANCE PLAN VOLUME (CPV), LOS ALAMOS NATIONAL LABORATORY (LANL), MILESTONE ACTIVITY 3.2 (I).

Dear Mr. Will,

The purpose of this letter is to notify the New Mexico Environment Department (NMED) of the completion of Milestone Activity 3.2 (I) in the LANL FFCO, STP, CPV.

Milestone Activity 3.2 (I) requires the Department of Energy (DOE) and the University of California (UC) to, "[C]omplete determination of treatment options," for waste in Treatability Groups, "Mercury Wastes-TBD," MWIR Waste ID LA-W925; "Explosives," MWIR Waste ID LA-W932; "Labpacks," MWIR Waste ID LA-W933; and "High Activity Waste," MWIR Waste ID LA-W934 by the Compliance Date of "12/20/01". DOE and UC completed this milestone on schedule.

MWIR Waste ID LA-W925, "Mercury Wastes-TBD"
Waste in this STP Treatability Group that can be verified to be less than 260 ppm mercury can be shredded and stabilized at a number of commercial treatment facilities such as PermaFix in Gainesville Florida and Waste Control Specialists in Andrews, Texas. The most likely treatment option for waste with greater than 260 ppm mercury will be an amalgamation process. At this time, no commercial facilities are offering this treatment.

MWIR Waste ID LA-W932, "Explosives"

Most of this waste has already been sent to a LANL facility for re-use/recycle. One remaining item is an empty aerosol can that will be proposed for transfer to a more appropriate STP Treatability Group.

MWIR Waste ID LA-W933, "Labpacks"

Many treatment options will need to be employed for this waste stream because the STP Treatability Group includes a wide variety of waste items. Treatment options include chemical separation, thermal treatment of organics, stabilization and solidification of inorganics, and distillation of halogenated organics. Other required treatments may include demulsification/precipitation/flocculation, solvent extraction, chelation, oxidation-reduction, ion exchange, or absorption/adsorption. Commercial facilities such as Perma-Fix in Gainesville, Florida, and Waste Control Specialists, near Andrews, Texas will be utilized to treat this waste.

MWIR Waste ID LA-W934, "High Activity Waste"

Treatment options have been explored for the lead stringers. Treatment options that may be available for the lead stringers are in-situ treatments such as vitrification, site entombment, and grouting to fill the shafts. Three grouting options have been evaluated, including commercial concrete, Ceramcrete, and Waxfix.

Not all of the items in this STP Treatability Group have treatment options at this time. UC and DOE are currently working together to develop treatment options for waste in this treatability group that currently have no disposal path through the DOE Office of Science and Technology. The covered STP waste with no current disposal path includes items with high Tritium content and radioactive lead casks.

Please feel free to contact me at (505) 665-0714 if you have any questions.

Enclosed is a Certification Statement prepared in accordance with the requirements of Section XX, "Documents, Information, and Reporting Requirements," of the FFCO.

Sincerely,



Beverly Martin
STP Project Manager
Environmental Science and Waste Technology
Los Alamos National Laboratory

Cy (w/encl.):

Mr. James Bearzi, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park East, Bldg. 1
Santa Fe, New Mexico 87505

**ENCLOSURE A
CERTIFICATION**

**NOTICE OF COMPLETION
MILESTONE ACTIVITY 3.2 (I)
SITE TREATMENT PLAN (STP)
LOS ALAMOS NATIONAL LABORATORY (LANL)**

I certify that I am the project manager responsible for overseeing the implementation of the Site Treatment Plan for the Los Alamos National Laboratory. To the best of my knowledge and belief, the information in this document is true, accurate, and complete.

Beverly Martin
Beverly Martin
STP Project Manager
Environmental Science and Waste Technology
Los Alamos National Laboratory
Operator

1/23/02
Date Signed

James Nunz
Waste Management Program Manager
Los Alamos Area Office
U.S. Department of Energy
Albuquerque Operations
Owner/Operator

Date Signed