



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

JAN 9 1995

Mr. Joseph C. Vozella, Chief
Environment, Safety and Health Branch
Los Alamos Area Office
Department of Energy
Los Alamos, NM 87544

Dear Mr. Vozella:

The Environmental Protection Agency (EPA) has reviewed and approves the RCRA Facility Investigation (RFI) workplan for Operable Unit 1086 with the enclosed modifications. The approved workplan shall consist of the RFI workplan submitted on July 7, 1994, the Notice of Deficiency (NOD) responses dated August 30, 1994, October 11, 1994, and December 12, 1994, along with the enclosed modifications. LANL shall immediately implement this workplan according to the proposed schedule.

If you should have any questions or need additional information, please feel free to contact Ms. Barbara Driscoll of my staff at (214) 665-7441.

Sincerely yours,

Allyn M. Davis

Allyn M. Davis, Director
Hazardous Waste Management Division

Enclosure

cc: Ms. Kathleen Sisneros ✓
New Mexico Environment Department
Mr. Jorg Jansen
Los Alamos National Laboratory



3907

iat

TL

Fact Sheet
RFI Workplan Approval
Los Alamos National Laboratory
Operable Unit 1086

- * Operable Unit 1086 (OU 1086) includes Technical Area (TA) 15. TA-15 has historically been used for testing of explosive devices. Also located in this TA is the PHERMEX facility which is used to perform dynamic radiography of the components of nuclear weapons during explosions.
- * Forty-five solid waste management units (SWMUs) are listed in the HSWA Module of the RCRA permit. SWMUs consist of septic systems, firing sites and material disposal areas.
- * Firing site E-F has been the most extensively used firing site at the Laboratory, both in terms of continuing length of use and quantities of uranium expended. More than 2500 pounds of explosives were detonated at the site. Sampling will be conducted on a grid to determine the extent of the release and the potential distribution of contaminants. Subsurface samples will also be collected to determine depth of contamination.
- * Material disposal areas consist primarily of debris piles which contain building debris, explosion debris and used sandbags. Both surface and subsurface sampling will be conducted at these areas.
- * Septic systems will be sampled at the outfalls and within the tanks. If contamination is found the tanks will be removed and the pipelines will be checked.
- * EPA has modified the workplan to include a detailed report schedule for each SWMU rather than the general schedule in the workplan.
- * Comments from NMED were incorporated into the Notice of Deficiency.
- * This RFI workplan was not peer reviewed; however, five other RFI workplans for this facility have been peer reviewed.
- * **Environmental Justice and Demographic Information**
16.2% Minority (For NM the percent minority is 49%)
13% Economically Stressed (For NM the percent economically stressed is 31%).

Modifications
RFI Work Plan for Operable Unit 1086

1. The RFI Reports for this work plan are due as indicated below:

<u>Report Date</u>	<u>SWMUs</u>
7/30/95	15-004(a,b,c,f), 15-007(b), 15-008(a,b) 15-009(e), 15-009(j), 15-012(b)
7/30/96	15-004(g), 15-007(a), 15-008(c), 15-009(a,f,i), 15-010(a-c), 15-011(a-c), 15-014 (a,b,i-1)
7/30/97	15-006(c,d), 15-009(b,c)

2. Area of Concern (AOC) C-15-008 does not need to be added to Module VIII of the RCRA permit.

3. LANL may request a Class 3 permit modification for removal of the following units from the HSWA portion of the RCRA permit:

15-009(b,c)
15-009(h)
15-014(m)

4. LANL shall take an additional two samples at each debris pile in SWMU 15-008(a). These samples should be collected at the soil/tuff interface which is between 1.5 and 4.0 feet at the site.