



ATTACHMENT LIST

A) Summary TO: \_\_\_\_\_ FROM: \_\_\_\_\_ SYMBOL: \_\_\_\_\_

SUBJECT: Modifications to OU 1122

DATED: \_\_\_\_\_

B) Form TO: C. Fomire FROM: \_\_\_\_\_ SYMBOL: \_\_\_\_\_

SUBJECT: Task Assignments / Information form for Approval - OU 1122 Work plan

DATED: 07/21/93

C) \_\_\_\_\_ TO: \_\_\_\_\_ FROM: \_\_\_\_\_ SYMBOL: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

DATED: \_\_\_\_\_

D) \_\_\_\_\_ TO: \_\_\_\_\_ FROM: \_\_\_\_\_ SYMBOL: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

DATED: \_\_\_\_\_

E) \_\_\_\_\_ TO: \_\_\_\_\_ FROM: \_\_\_\_\_ SYMBOL: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

DATED: \_\_\_\_\_

F) \_\_\_\_\_ TO: \_\_\_\_\_ FROM: \_\_\_\_\_ SYMBOL: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

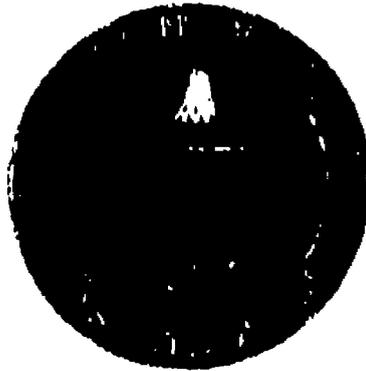
DATED: \_\_\_\_\_

G) \_\_\_\_\_ TO: \_\_\_\_\_ FROM: \_\_\_\_\_ SYMBOL: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

DATED: \_\_\_\_\_

**UNCLASSIFIED**  
FACSIMILE TRANSMITTAL SHEET



① ASAP  
Cy Paul  
RPF  
Pat Shanley  
Ruv

**U. S. DEPARTMENT OF ENERGY**  
**LOS ALAMOS AREA OFFICE**  
**ENVIRONMENT, SAFETY AND HEALTH BRANCH**

FAX Number: (505) 665-4504 (Unclassified), Voice Confirm Number: (505) 667-5288

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DATE: 7/21/93 # PAGES TO FOLLOW: 3  
TO: R. Veeke FAX NO. 5-4747  
ORGANIZATION: UC - LANL, EM-13 DEPT. / ROUTE: MS M992  
FROM: Court FELMIRE

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REMARKS: This is a heads up. The memo transmitting the letter formally will follow

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

JUL 15 1993

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Jul 20 3 20 PM '93

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

Re: RFI Work Plan for OU 1122, Approval ..  
Los Alamos National Laboratory  
NM0890010515

Dear Mr. Vozella:

The Environmental Protection Agency (EPA) hereby approves your Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Work Plan for Operable Unit OU 1122 dated May 20, 1993, with the attached list of modifications. All requested information should be submitted within thirty (30) days of receipt of this letter.

EPA is not approving or providing comments on this work plan or work plan submittals for FY93 which address land use scenarios, risk assessment, and logic flow diagrams, as discussed with the Department of Energy (DOE) and Los Alamos National Laboratory (LANL). Rather the work group which has been formed with DOE, LANL, Sandia National Laboratory, and the New Mexico Environment Department will agree upon appropriate use of the above listed items. These items will be approved in a separate document which outlines the agreed upon usage.

You shall immediately initiate the implementation of this approved RFI work plan. If you have any questions, please contact Barbara Driscoll of my staff at (214) 655-7441.

Sincerely yours,

*Jack Divita*

for Allyn M. Davis, Director  
Hazardous Waste Management Division (6H)

cc: Kathleen Sisneros, NMED  
Al Tiedman, LANL, MS-A120

Received by ER-RIF  
JUL 22 1993  
YCC

## MODIFICATIONS

1. The final report should be submitted within eight months of receipt of analytical data and completion of all field work.
2. 3.2.2.7 SWMU 33-011(d) Storage Area TA-33-20, p. 3-24 - How were materials stored (i.e. in drums)?
3. 3.2.4.2 Subsurface Data, p. 3-29 - Submit a list of the contaminants for which analysis was conducted.
4. For all surface investigations: Elaborate on the sentences indicating that data will be summarized by estimating spatial trends and local average concentrations as a function of distance of the sources.
5. Section 3.5.4 Review of Existing Data, p. 3-72 - More information needs to be provided on the Roy F. Weston 1989 sampling of the two chambers in MDA-D. This information should include a map indicating the location of the boreholes, depths of sampling intervals, and tabulated results of the sampling and analysis.
6. 4.1.4 Sampling and Analysis Strategies, p. 4-5 and 4-7 - For any sample collected the sample maximum should be compared with action levels.
7. 4.2.6 Subsurface Sampling at MDA-K, p 4-28 - For each of the three cores drilled, a sample should be collected every 10 feet to a depth of 30 feet, and these samples should be analyzed for organics and metals. Sampling below 30 feet may continue as indicated in the work plan.
8. For all septic systems subsurface sampling: The sample collected next to the tank from the bottom of the tank should also be analyzed for VOAs.
9. 4.4.4 MDA-E, p. 4-38 - The sampling and analysis already conducted did not cover all the potential constituents in the pits at MDA-E. LANL shall drill two extra boreholes close to pits and sample for beryllium and explosives every 10 feet to a depth of 40 feet.

### Chapter 5, No Further Action units:

The following sites do not need further investigation and do not need to be added to the permit:

SWMU 33-004(n)  
SWMU 33-004(l)  
SWMU 33-012(b-d)

In addition, SWMUs 33-004(e and f) will need to be proposed for removal under a Class III permit modification prior to approval.

LOS ALAMOS AREA OFFICE  
ENVIRONMENTAL RESTORATION PROGRAM

TASK ASSIGNMENT/INFORMATION FORM

TITLE: Approval - 0U1122 Work Plan  
DATE RECEIVED: 7-20-93

DATE DUE: 7-21-93

NAME	ACTION	INFO
C. Fesmire	<input checked="" type="checkbox"/>	<input type="checkbox"/>
K. Schenck	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B. Slaten	<input type="checkbox"/>	<input checked="" type="checkbox"/>
T. Taylor	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P. Treat	<input type="checkbox"/>	<input checked="" type="checkbox"/>
J. Voxella	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>K. Bitner</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>          </u>	<input type="checkbox"/>	<input type="checkbox"/>
<u>          </u>	<input type="checkbox"/>	<input type="checkbox"/>

ACTION: Send memo to R. Vokes  
requesting response to EPA  
comments. Response to be sent  
to LAAO by Aug. 13.

SIGNATURE: CF BB TT JV

CONCURRENCE: CF BB TT PT JV  
OTHER: \_\_\_\_\_

NOTES: If you want EM-13 to brief you on the  
response, ask for a briefing in the memo.  
Steve and/or Paul may want to attend the  
briefing. Note in the memo that EPA approved  
the WP and ask for a proposed schedule for field work.

RESPONSE: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# START OF REFILMING

Date \_\_\_\_\_

*3/17/94*

Operator \_\_\_\_\_

*[Handwritten Signature]*