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12/1/90 ASJ
Elizabeth

Department of Energy
Albuquerque Operations
Los Alamos Area Office
Los Alamos, New Mexico 87544

DEC 1 1990

VIA CERTIFIED MAIL DELIVERY

LETTER REQUESTED

P347 152 834

Ms. Kathleen Sisneros
New Mexico Environmental Improvement Division
Hazardous Waste Bureau
1190 St. Francis Drive
Harold Runnels Building
Santa Fe, NM 87503

Dear Ms. Sisneros:

Enclosed for your information are two (2) copies of the Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Program Monthly Report for September, Fiscal Year 1990. Transmittal of this report is required by LANL's Resource Conservation and Recovery Act (RCRA) operating permit.

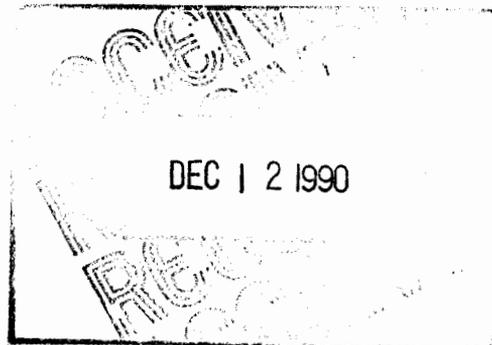
If additional information is required, please call Stephen Fong of my staff at (505) 665-5534.

Sincerely,

Paul B. Schumann

Paul B. Schumann
Chief, ES&H Branch

LESH:SF-24
Enclosures:
Environmental Restoration Program Monthly Report
2 Copies



8034

12

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Document Title:

Monthly Report September - Fiscal Year 1990

Name:

J. C. Hill

Deputy Division Leader
Health, Safety, and Environment
Los Alamos National Laboratory

Date

12/2/90

Name:

Paul B. Shum

Chief
Environment, Safety, and Health
Branch
Los Alamos Area Office - DOE

Date

12/6/90

LA-UR-90-4020

Los Alamos National Laboratory

Environmental Restoration

A Department of Energy environmental clean-up program

MONTHLY REPORT SEPTEMBER FISCAL YEAR 1990

*duplicate in magazine file
received Dec*

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REPORT PERIOD - SEPTEMBER FY1990

LOS ALAMOS NATIONAL LABORATORY

LANL ER PROGRAM OFFICE

ALBUQUERQUE FIELD OFFICE

CONTRACTOR: UNIVERSITY OF CALIFORNIA

DEPUTY DIVISION LEADER: THOMAS GUNDERSON

PROGRAM MANAGER: ROBERT VOCKE

NUMBER OF POTENTIAL RELEASE SITES: APPROXIMATELY 600

SUSPECT WASTE: RADIONUCLIDES, HIGH-EXPLOSIVES,
METALS, SOLVENTS, ORGANICS

FY90 ESTIMATED ACTUAL COSTS TO DATE:

GF-72-91-01:	\$9024K
GF-72-91-02:	\$ 565K
GF-72-89-02:	<u>\$1890K</u>
TOTAL:	\$11479K

FY90 BUDGET:

GF-72-91-01:	\$ 12405K
GF-72-91-02:	\$ 1005K
GF-72-89-02:	<u>\$ 1750K</u>
TOTAL	\$ 15160K

INTRODUCTION

The FY90 CYWP has been adjusted to reflect supplementary funding of \$4,551,000 received in July and August to B&R GF-72-91-01. LANL requested a change in funding from B&R GF-72-91-01 to B&R GF-72-89-02 of \$500K. To the extent possible, these supplementary funds were committed in FY90 while ensuring that they were used in a cost effective manner to meet FY91 RCRA/HSWA permit requirements.

The September status of each task is discussed below. Significant issues are summarized under Problems/Issues followed by the Manager's Assessment of % Complete. The required monthly reporting forms are attached. The task element % scheduled and % completed columns are completed where appropriate.

**RCRA/CERCLA ASSESSMENT
(B&R CATEGORY - GF-72-91-01)**

Task Element Status

AL-LA-1 (Canyons) (Project Leader - Sandy Wagner)

Perched Zone Monitoring

The drilling and installation of the shallow alluvial water monitoring wells was completed at the required time. The holes in Sandia, Potrillo, Fence, and Water canyons confirmed the absence of perched water in those locations. The wells in Pueblo, Los Alamos, and Mortandad Canyons were completed as water sampling wells. Two additional holes had to be drilled in Mortandad Canyon because the water level fluctuations extended below the bottom of the ten-foot well screen sections installed in the first two holes as required by the RCRA Technical Enforcement Guidance Document. The wells with water were all sampled within the required time and all samples have been submitted for the permit-required analyses.

Extent of Saturation in Mortandad Canyon

Good progress was made on the filed work for the extent of saturation study. A total of three core holes have been drilled through the perched alluvial aquifer and sampled to depths of 185, 195, and 115 feet, respectively. Two of the holes were completely successful in sealing off the perched aquifer and permitted retrieval of core samples for laboratory analysis of constituents including potential radiochemical, inorganic, and organic contaminants. An excellent set of cores was obtained for use in measuring a range of hydrologic properties. These two holes were completed as moisture probe access tubes to permit periodic monitoring of temporal moisture content variations in the tuff beneath the saturated zone. One of the holes had to be grouted closed after leakage from the perched aquifer developed during the final stages of drilling. All chemical and hydrologic property analyses were underway by the end of the fiscal year.

A related geophysical study using shallow seismic refraction techniques was also undertaken. The field work and preliminary data reduction was completed by the end of the fiscal year. The interpretation indicates that the study will help define both the interface of the alluvial material and the top of the unweathered tuff, and the top of the saturated zone on a series of transects across the canyon.

AL-LA-2 (TA-33, Material Disposal Areas) (Project Leader - Keith Dowler)

Work Plan - Work continued gathering information to complete a draft of section 2 of the RFI work Plan. Information has been collected to address each subsection of section 2 with the exception of the subsection addressing environmental setting and its relation to the Installation Work Plan. This subsection will be addressed when the draft Installation Work Plan is available. Information collected that addresses all other subsections has been submitted to a word processor for typing. Planning for the presentation of information in Section 3 of the RFI work plan began. The TA-33 Technical Team has decided to provide detailed descriptions and the identification of data needs for each SWMU rather than provide descriptions and data needs for SWMU aggregates. This approach will be tried on one of the more complex SWMU units for evaluation. Aggregation of SWMUs is still planned when addressing the sampling plan.

AL-LA-3 (TA-33, Buildings and Outfalls) (Project Leader - Keith Dowler)

Work Plan - Because AL-LA-3 is being conducted as a package task with AL-LA-2 and AL-LA-4 (below), the activity description for AL-LA-2 covers all three task elements. The budgetary description applies likewise.

AL-LA-4 (TA-33, Subsurface Structures) (Project Leader - Keith Dowler)

Work Plan - Same as AL-LA-2 above, including budgetary description.

AL-LA-5 (TA-50, Material Disposal Area C and other SWMUs) (Project Leader - Tom Hakonson)

A draft of the Area C SWMU Section 3 report has been submitted to the ER Program Office. The archives search relevant to Operational Releases has been completed.

Information on the leak at the TA-50 Grit Chamber has been reviewed and an action recommendation has been forwarded to the ER Program.

AL-LA-8, 9, 10 (TA-21 Work Plan Development, General Accomplishments) (Project Leader - Micheline Devaurs)

Work Plan - Work plan activities this month focused on continued writing of Section 3 and 4 write-ups for TA-21 SWMUs. At the end of FY 90, the status of the TA-21 work plan is as follows. Note that none of the document has yet undergone internal review.

The majority of Section 2 (Task description and identification of data needs) is complete; however certain subsections are incomplete--D&D activities, surface water quality, cumulative public health and environmental impacts, data needs, and resource evaluation.

Section 3 of the TA-21 work plan (SWMU description and identification of data needs) was completed in draft form for all TA-21 SWMUs (112 individual sites) with the exception of 21-011, building 257.

Section 4 of the TA-21 work plan (field sampling plan) has been completed in draft form for the Material Disposal Areas and selected subsurface units (e.g., building 35, seepage pits, dry well, outfalls, acid pit, waste treatment lab, acid waste lines and sumps). Section 4 is incomplete for the following SWMUs: all surface units including surface sampling required at MDA's, building 257 and the DP tank farm.

The major tasks remaining are: (1) ancillary plans for QA, H&S, data management, community relations; (2) technical and regulatory editing of sections 3 and 4 for individual SWMUs and generally, (3) integration of section 4 by general SWMU category, (4) modeling of stack emission data to serve as the basis for surface sampling design, (5) determination of appropriate analytical approaches, and (6) completion of section 3 and 4 of the TA-21 work plan for the 24 ER Program sampling sites.

Rebaselining occurred in August 1990 to reflect year-end supplemental funding. However, because the money came so late in the year, the principal activity was contractor support to write both Sections 3 and 4 of the TA-21 Work Plan for as many individual SWMUs as possible. Also, the magnitude and complexity of the document being generated, the fact that it is the first task work plan LANL is doing, and delays in the ER Program framework being laid out in the IWP have all impacted TA-21 Work Plan development. The projected cost and time necessary to complete the TA-21 Work Plan has increased, but at this time, LANL will still be able to meet the RCRA Part B Permit schedule for this document.

Material Disposal Area B Pilot Study

A draft of the Area B Pilot Scale Work Plan was completed this month. A limited number of sections are still incomplete. The Operations and Maintenance Manual accompanying this document will undergo QA and H&S review early in FY 91. It is anticipated that this document will be incorporated into the TA-21 work plan. It will need minor revisions next fiscal year.

AL-LA-11 (TA-1, Townsite) (Project Leader -Roger Ferenbaugh)

Work Plan - Because of problems with loss of personnel, the TA-1 Work Plan is behind schedule for FY90. A contractor is presently working on compilation of background information for the SWMUs located in TA-1, but further progress on the TA-1 Work Plan is awaiting restaffing, which should occur during the first quarter of FY91.

AL-LA-15, (TA-10, Bayo Canyon) (Project Leader - Tom Hakonson)

Work Plan - The firing sites SWMU Section 3 report for TA-10 has been completed. The archives search for TA-10 has been completed.

AL-LA-46 (TA-54, MDA L, G, H, & J) (Project Leader - John Krueger)

The last four monitoring wells did not get in this month. Completion of well installation next month is dependent on drill rig availability. This month, however, the last quarterly sampling event occurred; analytical costs will be reflected in October. Approximately \$100K will be dedicated to this task next fiscal year to complete and operate the system.

The large expenditures reported for this month reflect the purchase of an automated instrument for the analysis of pore gas samples.

AL-LA-51 (TA-49, Subsurface Contamination) (Project Leader - Gary Eller)

Work Plan - The effort currently is evenly split between the surface and subsurface tasks at TA-49. Progress on each of the three deliverables due September 30, 1990 is detailed below. The overall activity is progressing approximately on schedule and within budget.

Definition of classification guidelines for TA-49 ER activities - Writing of the guide has commenced and is expected to be completed on schedule.

Initiate information search and begin preparation of unclassified document on past TA-49 activities - Information retrieval and interviews with individuals knowledgeable about TA-49 are continuing. A field inspection of TA-49 SWMU's was conducted. Leads were developed for Nevada Test Site locations related to TA-49 and possible connections with the analogous NTS remediation activities. Writing of the historical and introduction phases has commenced and we are still hopeful of having a rough draft by September 30.

Develop scope of work statement for FY 91 - Writing of the guide has commenced and we expect to complete it on schedule.

Currently, this effort is projected to underrun slightly, primarily due to some delay in getting personnel assigned to this new project.

AL-LA-52 (TA-49, Surface Structures) (Project Leader - Gary Eller)

Work Plan - This task is being conducted concurrently with AL-LA-51.

AL-LA-57 (Interim Remedial Measures) (Project Leader - John Krueger)

This task has involved the review of engineering and maintenance projects for overlap with SWMUs and areas of contamination. The ER Program Office provides guidance to engineering division when such overlaps are identified, and samples or performs an interim remedial measure to facilitate major projects.

The electronic tracking system dBase IV is now functional, although it has proved to be slow and cumbersome. The system will be upgraded next fiscal year when it is integrated with the Facility for Information Management, Analysis and Display.

Sanitary Wastewater System Consolidation (SWSC) Wastewater Treatment Facility - Although core sampling of the proposed site indicated a lack of contamination, it was the consensus of HSE-8 and the ER Program Office that surface sampling was needed to ensure that the drainage leading from several SWMUs is not contaminated. Sampling was conducted by HSE-8 on July 19, and analytical results indicate that the area is clean. This month, the ER Program Office formally received the analytical results and transmitted them to engineering.

Sanitary Wastewater System Consolidation (SWSC) Wastewater Treatment Facility Access Road - On July 26, a meeting was held at DOE-AL concerning the SWSC project. It was decided that reconnaissance sampling of the landfill that the permanent access road is sited over is necessary prior to construction. A sampling plan was requested from HSE-8 in July, and a site visit was conducted in August to locate the three boreholes. The actual sampling occurred this month, and the analytical results should be available in late October.

Sanitary Wastewater System Consolidation (SWSC) South Interceptor - Subcontractor review of the plans was completed late this month and will be communicated officially in a status meeting with AL and LAO next month.

Special Nuclear Material Pre-treatment Facility - Three geotechnical boreholes are sited within 50 feet of the Northern edge of Area C at TA-50. The ER Program concern is the possibility of a vadose zone plume similar to the one at Area L. If the drill cuttings are hazardous waste, they would be subject to the land disposal restrictions. On July 20, a meeting was held at TA-50 and it was decided that reconnaissance sampling is needed. Drilling and core sampling (hopefully using the mobile GC/MS) scheduled for this month has been delayed to next month to accommodate high priority projects.

Area L Archaeological Sampling - A complete set of analytical data was received from HSE-8 this month.

AL-LA-59 (NEPA)

NEPA-related activities were initiated in June. In September, scoping of NEPA requirements continued for the mixed waste storage/disposal facility. Additional detail will be added as it becomes available. The program continued compiling data for a document to support NEPA activities for ER.

AL-LA-60 (Installation Work Plan) (Project Leader - Lars Sohlt)

Pilot Studies Work Plan Appendix

The plan was revised for inclusion as an appendix for the IWP.

Stabilization Strategy and Conceptual Model Description

This description of the stabilization concept was incorporated into the draft IWP.

Decision Analysis Methodology and Benefit-Cost Analysis

These sections were revised for inclusion as appendixes in the IWP.

Statistical Data Analysis to Support Task Work Plan Development for Low-Level Radioactive Waste Management Areas

This activity continued through September.

Executive Summary

This section will not be completed until the rest of the document is prepared.

Introduction

This section was reviewed and modified for inclusion in the IWP.

ER Program Description

Activities associated with this section include the SWMU report/data base and the WIN system. The working draft version of revised SWMU report was completed by September 15, 1990. Distribution was made on September 18, 1990, to DOE for review and comment. Comments are due back to LANL ER Program by October 19, 1990. All comments received will be evaluated and used as appropriate. Additionally, a written response will be sent to the reviewers of the document. Target date for delivery of a camera-ready copy of the SWMU report and data base to LANL will be October 14, 1990. WIN data input should be completed by mid October and a data tape ready for transfer to DOE by the end of November.

Installation Description

This section was drafted for internal revision.

ER Program Management Plan Annex

A draft annotated outline of the ER Program Management Plan was prepared incorporating all of the required elements in DOE's "Environmental Restoration On-Site Remediation Program Management Plan" (Draft 5-ER/ORP-100), and DOE Order 4700.1. This outline will form the basis for the complete document, which is planned to be ready for internal review by mid-October.

Quality Assurance Program Plan Annex

Editing of the ER Quality Program documents is an ongoing process. A "user friendly" generic QA Program Plan has been developed. This document will guide Project Leaders in the development of task-specific project plans.

Health & Safety Program Plan Annex

The Health and Safety Annex of the Installation Work Plan was revised this month with the help of comments submitted by reviewers of the July 27 draft. This revision is expected to approximate very closely the version that is submitted to the DOE for review.

Records Management Program Plan Annex

The next working draft of the Records Management section of the IWP was completed incorporating review comments from four Project Leaders. The scope has been revised to "Records Management" to better reflect the Program's commitment to protecting all ER records, including technical data. This terminology also makes it consistent with guidance documents and records retention requirements from DOE.

Community Relations Program Plan Annex

Comments have been received from ER technical staff on the draft Community Relations Plan and work is underway to incorporate these revisions to the Plan for incorporation into the IWP.

AL-LA-61 (Assessment Management)

General activities conducted under this task during July are discussed in the following sections.

Program Management

Activities during September focused on modifying the FYP CYWP and managing the ER Program as it is expanding. Activities included expending significant effort to ensure that new Laboratory projects are not impacted by

SWMUs that must be addressed under the ER Program and developing a program management plan.

Quality Assurance/Quality Control Program - (Project Leader - Larry Maassen)

An ER Program Quality Council, consisting of representatives of all of the technical teams, is being established. The Quality Council will aid in the development and implementation of the quality program.

An EPA audit of the HSE-9 environmental chemistry laboratory has been arranged. The audit will be conducted November 7 and 8, 1990.

Health and Safety Program - (Project Leader - Edward Norris)

Protection of environmental restoration (ER) workers is an important part of the ER health and safety program. This month there was an internal meeting at the Laboratory to establish guidelines for the minimum personal protective equipment likely to be needed by ER workers as they begin field work here. The participants in the meeting included health physics, industrial hygiene, and risk assessment specialists both from this Laboratory's HSE Division and from a contractor with ER field experience. A set of guidelines was developed during this meeting that will permit the specification of minimum personal protective equipment for ER workers at all of the ER sites, based on currently available information about potential hazards. The next step in this work is to analyze the data from each site and incorporate the appropriate personal protective equipment requirements into the ER site data base. The ER field work will be supplemented with a field monitoring program to permit modification of the personal protective equipment requirements as appropriate during the course of the field work.

Records Management Program (RMP) - (Project Leader - Mike Ray)

Internal drafts of the ER Record Package Transmittal Form and Procedure for LANL ER Records Management (LANL-ER-OP-xx.x,RO) were completed and are ready for review and comments from the Program Office. This documents will provide the needed mechanism for starting formal submittal of Record Packages to the Record Processing Facility.

Input and guidance regarding contract requirements for submittal of records, media types, and formats were prepared at the request of the Program Office for the meeting with prospective contractors in Santa Fe.

A rough draft of the Procedure for LANL ER Records Management (LANL-ER-OP-xx.x,RO) was completed. This procedure will provide specific guidance to ER Program participants for submittal of Record Packages to the Record Processing Facility (RPF). Project Leaders will have the opportunity for review and comment prior to approval by the Program Manager.

Facility for Information Management, Analysis, and Display (FIMAD) -
(Project Leader- Greg Cole)

The ARC/Info Geographic Information System was finally received from ESRI and has been installed on the DECstation 5200 PX. Our Ca.comp Digitizer and color electrostatic plotter were also installed on the Local Area Network at the FIMAD and are operational. We have been developing techniques for rapid conversion and transmittal of existing engineering data from the Engineering Division computer to our UNIX network. Software was purchased to upgrade the communication capabilities of the Engineering Division computer, and this upgrade is planned for early November. Purchase requests for procurement of electronic document and video management hardware and software, as well as add-on workstations and peripheral equipment for additional nodes to the FIMAD, were submitted by the end of the month. FY90 monies committed by these PRs were carried over into FY91.

Community Relations Program - (Project Leader - Martin Janowski)

A presentation was made by John Krueger to the New Mexico State Legislative Committee on Hazardous and Radioactive Materials in Santa Fe. State legislators and the public were in attendance at the meeting.

Project Schedule - (Project Leader - Jim Aldrich)

The project management schedule was revised and updated. Modifications were also made to the resources, in keeping with changes in the Five Year Plan. Costs of each Operable Unit were determined and the total program cost.

RCRA/CERCLA REMEDIATION
(B&R CATEGORY - GF-72-91-02)

Task Element Status

AL-LA-57 (Interim Remedial Measures)

Five underground storage tanks at TA-16 were removed during September. They included four 30,000 gallon fuel oil storage tanks and one 4,000 gallon gasoline storage tank. The gasoline storage tank was discovered to have leaked a considerable quantity of fuel (or was situated in an area contaminated by leakage from a previously removed tank), necessitating the removal of a sizeable quantity of soil for storage/treatment at TA-54. The cost of soil removal was \$75.5K.

AL-LA-61 (Remediation Management)

Activities during September focused on modifying the FYP CYWP and managing the EP Program as it is expanding.

**RCRA REMEDIATION
(B&R CATEGORY - GF-72-89-02)**

Task Element Status

AL-LA-RC-1 (TA-16, Burning Ground Surface Impoundment) (Project Leader - John Krueger)

The approved closure plan for this site was received by the ER Program Office on February 21 from the State of New Mexico through LAAO. It included a rigorous schedule starting on February 12 for completion of closure activities. All compliance deadlines have now been met. The final closure report and certification were submitted to the State on September 19, 1990.

The \$107K cost estimate for this task assumed that contamination would be found in the verification samples, triggering further excavation and additional sampling. Since this is not the case, this task experienced a significant cost underrun.

AL-LA-RC-2 (TA-54, Area L Waste Oil Storage Tanks) (Project Leader - John Krueger)

This month, all field work for the tank decontamination was completed; analytical results on the last three tank rinses indicated they had been adequately contaminated. All that remains for this task is to document the field activities in a closure report and certify the closure for the State of New Mexico. About \$15K will be dedicated to this activity next fiscal year.

AL-LA-RC-3 (TA-35, Waste Oil Storage Pits) (Project Leader - John Krueger)

The supplemental verification sampling plan is still being prepared by HSE-8, and drilling will probably occur in November of next fiscal year. Also next fiscal year, IT Corporation will be tasked to augment their risk assessment (to the extent possible), and Benchmark Corporation will be tasked (through HSE-7) to finalize the closure plan and certify the closure.

The closure for this task was not completed this fiscal year, as was originally planned, since analytical results will not be available to integrate into the risk assessment until next fiscal year. Therefore, this year's original budget for this task, \$1100K has underrun by \$117K.

AL-LA-RC-4 (TA-16 Area P Landfill Closure) (Project Leader - John Krueger)

Because it is the policy of the LANL ER Program Office to delay actual closure implementation until closure plan approval is received from the NMEID, the field work described in the existing closure plan has not been initiated. Originally, the ER Program Office had allocated \$50K to study the best remediation alternative for the landfill, but instead, Area P will be incorporated into the corrective action process in a manner similar to that discussed below for Areas L and H, assuming the State approves of this approach. No funds were expended on this task this fiscal year.

AL-LA-RC-5 (TA-40, Scrap Detonation Site) (Project Leader - John Krueger)

Roy F. Weston, Inc., delivered a draft revised closure plan for internal review this month. The final product will be delivered on October 12 using accrued FY90 funds. It is the intent of the ER Program Office to submit the new plan to the NMEID early next fiscal year, and implement the closure in the Spring. Approximately \$300K will be allocated in the FY91 Current Year Work Plan for this purpose.

AL-LA-RC-6 (TA-54, Areas L & H) (Project Leader - John Krueger)

Specific units (i.e., trenches and shafts) within both Areas L and H are subject to closure since they received hazardous waste after the effective date of the hazardous waste regulations. In 1986, a closure plan for these sites was submitted to the NMEID. Comment on, or approval of the plan is still pending. Since it is the policy of the LANL ER Program Office to delay actual closure implementation until closure plan approval is received from the NMEID, no field work at Areas L and H has yet occurred.

In the meantime, the LANL ER Program Office proposed to the State of New Mexico this month that the closure units within each area be taken through the corrective action process concurrently with the other units (subject to corrective action under Section 3004(u)). The State requested a formal letter that they can respond to in writing, and such a letter will be sent next month. This approach has been incorporated into the draft Installation Work Plan, assuming the State will approve, and the FY93 Five-Year Plan is being modified to eliminate separate closure activities for those sites (like Areas L and H) where field work has not yet been initiated.

AL-LA-RC-7 (TA-54, Area G) (Project Leader - John Krueger)

Closure - Rebaselined in November. No activity planned during FY90.

AL-LA-RC-9 (RCRA Mixed Waste Storage/Disposal Facility) (Project Leader - Paul Aamodt)

The primary activity on the MWSDF during September was the continued reassessment of prospective sites for locating the new facility. The siting committee met on a weekly basis during the month to expedite

the process of selecting a few (3-5) potentially viable sites from the total 16 prospective sites under consideration. By the end of the month, the committee had trimmed the list down to six candidates that all appear to meet the minimum criteria for acceptability. Four of the six sites are located along Pajarito Road in reasonably close proximity to the existing waste management facilities, while two are located off of State Road 4 to the east and south of the others. The next step will be to trim the list to the two best candidates. This will be done once the budget picture is clear enough to reactivate the Merrick/Dames and Moore team.

Review comments were received on the Draft QA Project Plan and will be sent on to the Merrick Team next month. The first draft Project Management Plan was completed for initial limited review. It was determined that it still needs considerable work to make it consistent with both DOE and the ER Program Management Plans. Logic networks were updated and resource loaded for the first time during September. Also, an effort was made to integrate the NEPA Environmental Compliance activities with the MWSDF logic to ensure that potential constraints are identified early.

The total costs accrued during FY90 (actually they accrued during the last two quarters after supplemental funding was available) were used to pay for completion of the Design Alternatives Report, the initial Site Selection Report, the second site selection study and report, the draft QA Plan for the MWSDF Project, the first draft MWSDF Project Management Plan, a tradeoff study to establish potential waste volumes for different pit configurations, a study to identify all compliance requirements and their critical path relationship, and the development of a reasonably detailed logic network for the entire MWSDF Project.

In addition, work started on a study to identify and quantify the mixed waste materials that will ultimately be placed in the MWSDF. This study will draw heavily on the recently updated WIN data base for SWMUs at LANL, and is planned to be completed during the second quarter of FY91. The results of this study will be used both for the Conceptual Design Report (scheduled to start in early FY91), and a preliminary Risk Assessment, also scheduled to begin in FY91.

PROBLEMS/ISSUES

The Laboratory has modified the FY90 CYWP to reflect the \$4.551-million supplemental funding. However, due to late FY90 notification of this supplemental funding increase, actual costing of all funds was not possible during FY90.

MANAGER'S ASSESSMENT OF % COMPLETE:

The Laboratory is 76% complete with FY90 activities based on the revised proposed CYWP and NMEID approval of the revised approach to closure activities. The Task-by-Task estimates were made without approval of the proposed CYWP.

ALBUQUERQUE OPERATIONS OFFICE
ENVIRONMENTAL RESTORATION PROGRAM
FY90 CURRENT-YEAR WORK PLAN
INSTALLATION: LOS ALAMOS NATIONAL LABORATORY

RESPONSIBLE PARTY: ER-TSO___M&O CONTRACTOR_X PROGRAM PHASE: RI/FS[CERCLA/SARA/RCRA 3004(U) RD/RA[CERCLA/SARA/RCRA 3004(U)]___ REPORT PERIOD: SEPTEMBER
RCRA CLOSURE___

TASK ID NO	PLANNED CURRENT FISCAL YEAR COSTS (\$K)	FY90												FY TOTAL				
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BL	/ EST	/ CV		
AL-LA-1	CANYONS ASSESSMENT AL-1049																	
	PLAN	30	30	30	15	15	15	100	100	100	100	100	119	670 /	670 /	0		
	ACT	6	20	3	0	7	0	4	2	6	8	18	104					
AL-LA-2	TA-33, MATERIAL DISPOSAL AREAS ASSESSMENT AL-1126																	
	PLAN							0	5	25	30	30	30	30	150 /	150 /	0	
	ACT							0	9	18	16	26	54	48				
AL-LA-3	TA-33 BLDGS AND OUTFALLS ASSESSMENT AL-1122																	
	PLAN							0	5	25	30	30	30	30	150 /	150 /	0	
	ACT							0	6	14	12	20	44	37				
AL-LA-4	TA-33 SUBSURFACE STRUCTURES ASSESSMENT AL-1125																	
	PLAN							0	5	25	30	30	30	30	150 /	150 /	0	
	ACT							0	6	14	12	20	43	36				
AL-LA-5	TA-50, MATERIAL DISPOSAL AREA C ASSESSMENT AL-1147																	
	PLAN							0	0	20	20	20	20	20	100 /	100 /	0	
	ACT							0	15	18	10	7	15	21				
**AL-LA-8	TA-21, MATERIAL DISPOSAL AREAS A, B, T, U, & V ASSESSMENT AL-1107																	
	PLAN	35	35	35	35	35	33	50	55	55	66	60	149	740 /	740 /	0		
	ACT	16	71	76	92	17	39	39	70	77	40	38	38					
**AL-LA-9	TA-21, SUBSURFACE STRUCTURES ASSESSMENT AL-1106																	
	PLAN	30	30	30	30	30	50	60	61	40	25	30	114	469 /	469 /	0		
	ACT	16	12	13	34	14	29	28	39	40	38	30	31					

** REBASELINED 8/90 TO REFLECT YEAR-END SUPPLEMENTAL FUNDING

ALBUQUERQUE OPERATIONS OFFICE
 ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT-YEAR WORK PLAN
 INSTALLATION: LOS ALAMOS NATIONAL LABORATORY

RESPONSIBLE PARTY: ER-TSO___M&O CONTRACTOR_X PROGRAM PHASE: RI/FS[CERCLA/SARA/RCRA 3004(U) RD/RA[CERCLA/SARA/RCRA 3004(U)]___ REPORT PERIOD: SEPTEMBER RCRA CLOSURE___

TASK ID NO	PLANNED CURRENT FISCAL YEAR COSTS (\$K)	FY90												FY TOTAL			
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BL	/ EST	/ CV	
**AL-LA-10	TA-21, SURFACE CONTAMINATION ASSESSMENT AL-1109																
	PLAN	30	30	30	30	30	50	60	61	40	30	30	123	483 /	483 /	0	
	ACT	16	12	13	34	14	29	27	38	40	47	44	53				
*AL-LA-11	TA-1, CONTAMINATED AREAS, STRUCTURES - TOWNSITE ASSESSMENT AL-1078																
	PLAN	5	10	10	15	15	15	20	20	11	11	11	11	50 /	50 /	0	
	ACT	0	0	0	2	3	1	0	0	3	8	0	0				
AL-LA-15	TA-10 FIRING SITES, STR - TOWNSITE AL-1079																
	PLAN							0	0	20	20	20	20	100 /	100 /	0	
	ACT							0	15	18	10	3	23	31			
AL-LA-46	TA-54, MATERIALS DISPOSAL AREAS L, G, H, & J ASSESSMENT AL-1153																
	PLAN	5	5	5	0	0	25	20	10	25	20	10	29	150 /	150 /	0	
	ACT	0	1	1	3	6	4	16	15	10	46	13	81				
AL-LA-51	TA-49 SUB-SURFACE CONTAMINATION AL-1144																
	PLAN								0	0	13	13	14	40 /	40 /	0	
	ACT								0	0	12	11	21				
AL-LA-52	TA-49 SURFACE STRUCTURES AL 1145																
	PLAN								0	0	20	20	20	60 /	60 /	0	
	ACT								0	0	12	21	21				
AL-LA-57	INTERIM REMEDIAL MEASURES AT CONTAMINATED SITES AND UNDERGROUND TANKS ASSESSMENT AL-1062																
	PLAN	0	25	25	25	25	25	100	100	100	100	100	89	639 /	639 /	0	
	ACT	0	0	4	15	6	8	49	48	50	37	61	250				

*BL = ACTUALS (OCT-MAY) \$6K; PLUS PLANNED (JUN-SEP) \$44K
 ** REBASELINED 8/90 TO REFLECT YEAR-END SUPPLEMENTAL FUNDING

ALBUQUERQUE OPERATIONS OFFICE
 ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT-YEAR WORK PLAN
 INSTALLATION: LOS ALAMOS NATIONAL LABORATORY

RESPONSIBLE PARTY: ER-TSO ___ M&O CONTRACTOR_X PROGRAM PHASE: RI/FS[CERCLA/SARA/RCRA 3004(U) RD/RA[CERCLA/SARA/RCRA 3004(U)] ___ REPORT PERIOD: SEPTEMBER
 RCRA CLOSURE ___

TASK ID NO	PLANNED CURRENT FISCAL YEAR COSTS (\$K)	FY90												FY TOTAL				
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BL	/ EST /	CV		
AL-LA-59	NEPA ASSESSMENT AL-1066																	
	PLAN	0	0	10	10	10	0	0	10	10	10	10	10	50	/	50	/	0
	ACT	0	0	0	0	0	0	0	0	0	2	1	48					
AL-LA-60	INSTALLATION WORK PLAN ASSESSMENT AL-2105																	
	PLAN	100	100	100	75	75	198	248	366	324	269	252	250	2100	/	2100	/	0
	ACT	0	6	17	95	75	55	94	225	121	256	190	1359					
**AL-LA-61	MANAGEMENT/REVIEW/REPORTING ASSESSMENT AL-2107																	
	PLAN	100	100	100	120	120	120	240	240	240	210	210	4521	6304	/	6304	/	0
	ACT	59	86	56	269	53	71	232	127	99	412	1161	913					
TOTALS																		
	PLAN	335	365	375	355	355	531	913	1138	1075	1004	976	5579	12405	/	12405	/	0
	ACT	113	208	183	544	195	236	540	646	506	994	1767	3092					

SIGNATURE OF PREPARER AND DATE SIGNATURE OF DOE AREA OFFICER ER PROGRAM MANAGER AND DATE SIGNATURE OF AL ER PROGRAM PROJECT ENGINEER AND DATE

FOOTNOTE: BL = ACTUALS (OCT-FEB) PLUS PLANNED (MAR - SEP)
 ** REBASELINED 9.90 TO REFLECT YEAR-END SUPPLEMENTAL FUNDING

FILENAME: ERP4-1

ALBUQUERQUE OPERATIONS OFFICE
 ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT-YEAR WORK PLAN
 INSTALLATION: LOS ALAMOS NATIONAL LABORATORY

RESPONSIBLE PARTY: ER-TSO___ M&O CONTRACTOR_X_ PROGRAM PHASE: RI/FS[CERCLA/SARA/RCRA 3004(U)]___ RD/RA[CERCLA/SARA/RCRA 3004(U)]_X___ REPORT PERIOD: SEPTEMBER RCRA CLOSURE_X_

PLANNED CURRENT FISCAL YEAR COSTS (\$K)

TASK ID NO		OCT	NOV	DEC	JAN	FEB	MAR	FY90		JUN	JUL	AUG	SEP	FY TOTAL			
								APR	MAY					BL	EST	CV	
AL-LA-RC-1	TA-16, BURNING GROUND SURFACE IMPOUNDMENT CLOSURE REMEDIATION AL-1091																
	PLAN	0	0	0	20	43	25	25	25	10	10	6	3	107 /	107 /	0	
	ACT	0	0	0	0	3	10	2	2	10	0	2	2				
AL-LA-RC-2	TA-54, AREA L WASTE OIL STORAGE TANKS REMEDIATION AL-1150																
	PLAN	0	0	0	5	20	10	35	20	5	2	1	0	75 /	75 /	0	
	ACT	0	0	0	1	1	5	30	21	1	8	3	-7				
**AL-LA-RC-3	TA-35, WASTE OIL STORAGE PIT CLOSURE REMEDIATION AL-1127																
	PLAN	620	50	20	50	15	20	15	20	35	25	2	-114	983 /	983 /	0	
	ACT	620	32	30	296	2	21	1	0	-19	0	0	0				
AL-LA-RC-4	TA-16, AREA P LANDFILL CLOSURE REMEDIATION AL-1090																
	PLAN	0	0	0	0	0	0	0	0	0	17	17	16	50 /	50 /	0	
	ACT	0	0	0	0	0	0	0	0	0	0	0	0				
AL-LA-RC-5	TA-40, SCRAP DETONATION SITE CLOSURE REMEDIATION AL-1135																
	PLAN	0	0	0	5	20	0	5	20	15	5	0	5	50 /	50 /	0	
	ACT	0	0	0	0	0	0	0	1	0	8	2	44				
**AL-LA-RC-6	TA-54, AREA L AND H CLOSURE REMEDIATION AL-1152																
	PLAN	0	0	10	45	55	50	50	50	75	75	75	-169	290 /	290 /	0	
	ACT	0	0	0	49	35	30	37	31	13	25	55	107				
AL-LA-RC-7	TA-54, AREA G CLOSURE REMEDIATION AL-1151																
	PLAN	0	0	0	0	0	0	0	0	0	0	0	0	0 /	0 /	0	
	ACT	0	0														
		REBASELINED DURING NOVEMBER, NO ACTIVITY PLANNED DURING FY 90															
**AL-LA-RC-9	RCRA MIXED WASTE DISPOSAL FACILITY REMEDIATION AL-1067																
	PLAN	10	20	20	20	20	0	21	52	52	68	68	-72	195 /	195 /	0	
	ACT	25	-25	6	0	0	0	0	30	12	17	23	106				

** REBASELINED 9/90 TO REFLECT YEAR-END SUPPLEMENTAL FUNDING

ALBUQUERQUE OPERATIONS OFFICE
 ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT-YEAR WORK PLAN
 INSTALLATION: LOS ALAMOS NATIONAL LABORATORY

RESPONSIBLE PARTY: ER-TSO ___ M&O CONTRACTOR_X_ PROGRAM PHASE: RI/FS[CERCLA/SARA/RCRA 3004(U)] ___ RD/RA[CERCLA/SARA/RCRA 3004(U)]_X___ REPORT PERIOD: SEPTEMBER
 RCRA CLOSURE_X___

PLANNED CURRENT FISCAL YEAR COSTS (\$K)

TASK ID NO		OCT	NOV	DEC	JAN	FEB	MAR	FY90		JUN	JUL	AUG	SEP	FY TOTAL			
								APR	MAY					BL	/ EST	/ CV	
**AL-LA-57	INTERIM REMEDIAL MEASURES AT CONTAMINATED SITES AND UNDERGROUND TANKS REMEDIATION AL-1063																
	PLAN	0	10	10	0	0	0	0	0	25	25	25	225	395 /	395 /	0	
	ACT	6	88	1	0	0	3	0	0	-1	0	0	140				
**AL-LA-61	MANAGEMENT/REVIEW/REPORTING REMEDIATION AL-2106																
	PLAN	20	25	25	25	25	35	25	35	35	25	25	350	610 /	610 /	0	
	ACT	0	0	9	52	19	20	42	36	55	32	86	159				
TOTALS	PLAN	650	105	85	170	198	140	176	222	252	252	219	244	2755 /	2755 /	0	
	ACT	651	95	46	398	60	89	112	121	71	90	171	551				

SIGNATURE OF PREPARER AND DATE

SIGNATURE OF DOE AREA OFFICE ER PROGRAM MANAGER AND DATE

SIGNATURE OF AL ER PROGRAM PROJECT ENGINEER AND DATE

FOOTNOTE: BL = ACTUALS (OCT-FEB) PLUS PLANNED (MAR-SEP)

** REBASELINED 9/90 TO REFLECT YEAR-END SUPPLEMENTAL FUNDING

FILE NAME: (ERP5-1)

ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT YEAR WORK PLAN - TASK ACTIVITY REPORT SHEET
 REPORT PERIOD: SEPTEMBER
 LOS ALAMOS NATIONAL LABORATORY

TASK ID NO	TASK TITLE	ELEMENTS	NO OF POTENTIAL RELEASE SITES	PRINCIPAL POTENTIAL CONTAMINANTS	% OF FY90* ELEMENTS SCHEDULED	% OF FY90* ELEMENTS COMPLETED	FY90 BUDGET (\$K)	FY90 COSTS (\$K)
AL-LA-1	CANYONS	SPECIAL CONDITIONS	TBD	TBD	100	27	670	178
AL-LA-2	TA-33, MATERIAL DISPOSAL AREAS	WORK PLAN	TBD	TBD	100	114	150	171
AL-LA-3	TA-33, BLDGS AND OUTFALLS	WORK PLAN	TBD	TBD	100	89	150	133
AL-LA-4	TA-33, SUBSURFACE STRUCTURES	WORK PLAN	TBD	TBD	100	87	150	131
AL-LA-5	TA-50, MATERIAL DISP AREA C	WORK PLAN	TBD	TBD	100	86	100	86
**AL-LA-8	TA-21, MDA A, B, T, U, & V	WORK PLAN	TBD	TBD	100	83	740	613
**AL-LA-9	TA-21, SUBSURFACE STRUCTURES	WORK PLAN	TBD	TBD	100	69	469	324
**AL-LA-10	TA-21, SURFACE CONTAMINATION	WORK PLAN	TBD	TBD	100	76	483	367
AL-LA-11	TA-1, CONTAMINATED AREAS, STRUCTURES - TOWNSITE	WORK PLAN	TBD	TBD	100	34	50	17
AL-LA-15	TA-10 FIRING SITES, STR - TOWNSITE	WORK PLAN	TBD	TBD	100	100	100	100
AL-LA-46	TA-54, MATERIALS DISPOSAL AREAS L, G, H, & J	RECON/RESEARCH	TBD	TBD	100	130	150	196
AL-LA-51	TA-49 SUB-SURFACE CONTAMINATION	WORK PLAN	TBD	TBD	100	110	40	44
AL-LA-52	TA-49 SURFACE STRUCTURES	WORK PLAN	TBD	TBD	100	90	60	54
AL-LA-57	INTERIM REMEDIAL MEASURES	WORK PLANS	TBD	TBD	NA	NA	639	528
AL-LA-59	NEPA	TBD	TBD	TBD	100	102	50	51

**RE-BASELINED 8/90 TO REFLECT YEAR-END SUPPLEMENTAL FUNDING

ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT YEAR WORK PLAN - TASK ACTIVITY REPORT SHEET
 REPORT PERIOD: SEPTEMBER
 LOS ALAMOS NATIONAL LABORATORY

TASK ID NO	TASK TITLE	ELEMENTS	NO OF POTENTIAL RELEASE SITES	PRINCIPAL POTENTIAL CONTAMINANTS	% OF FY90* ELEMENTS SCHEDULED	% OF FY90* ELEMENTS COMPLETED	FY90 BUDGET (\$K)	FY90 COSTS (\$K)
AL-LA-60	INSTALLATION WORK PLAN	WORK PLAN	TBD	TBD	100	119	2,100	2,493
**AL-LA-61	ASSESSMENT MANAGEMENT	NA	NA	NA	NA	NA	6,304	3,538
SUBTOTAL - ASSESSMENT							12,405	9,024
REMEDIATION								
AL-LA-RC-1	TA-16, BURNING GROUND SURFACE IMPOUNDMENT	CLOSURE	TBD	TBD	100	29	107	31
AL-LA-RC-2	TA-54, AREA L WASTE OIL STORAGE TANKS	CLOSURE	TBD	TBD	100	84	75	63
AL-LA-RC-3	TA-35, WASTE OIL STORAGE PITS	CLOSURE	TBD	TBD	100	100	983	983
AL-LA-RC-4	TA-16 AREA P LANDFILL CLOSURE		TBD	TBD	0	0	50	0
AL-LA-RC-5	TA-40, SCRAP DETONATION SITE	CLOSURE	TBD	TBD	100	110	50	55
AL-LA-RC-6	TA-54, AREAS L AND H	CLOSURE	TBD	TBD	100	71	536	382
AL-LA-RC-9	RCRA MIXED WASTE DISPOSAL FACILITY	PERMITTING ACTIVITIES	TBD	TBD	100	73	264	194
**AL-LA-57	INTERIM REMEDIAL MEASURES	REMEDIATION	TBD	TBD	NA	NA	170	237
**AL-LA-61	REMEDIATION MANAGEMENT	NA	NA	NA	NA	NA	520	510
SUBTOTAL - REMEDIATION							2,755	2,455
TOTAL - ER PROGRAM							15,160	11,479

*PROPOSED CYWP % SCHEDULED AND COMPLETED WILL BE MODIFIED WHEN THE CYWP IS APPROVED.

**RE-BASELINED 8/90 TO REFLECT YEAR-END SUPPLEMENTAL FUNDING

FILE NAME: EPTS01-1

ALBUQUERQUE OPERATIONS OFFICE
 ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT-YEAR WORK PLAN - FY90/FY91 MAJOR MILESTONE REPORT SHEET
 INSTALLATION: LOS ALAMOS NATIONAL LABORATORY

REPORT PERIOD: SEPTEMBER

TASK ID NO	CONTROL MILESTONE DESCRIPTION	SCHEDULED START DATE (BASELINE)	PLANNED START DATE	SCHEDULED FINISH DATE (BASELINE)	PLANNED FINISH DATE	FY90 % SCHEDULED	FY90 % COMPLETED	VARIANCE
ASSESSMENT								
AL-LA-1	CANYONS RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	27	-73
AL-LA-2	TA-33, MATERIAL DISPOSAL AREAS RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	114	14
AL-LA-3	TA-33 BLDGS AND OUTFALLS RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	89	-11
AL-LA-4	TA-33 SUBSURFACE STRUCTURES RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	87	-13
AL-LA-5	TA-50, MATERIAL DISPOSAL AREA C RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	86	-14
AL-LA-8	TA-21, MDA A, B, T, U, & V RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	83	-17
AL-LA-9	TA-21, SUBSURFACE STRUCTURES RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	69	-31
AL-LA-10	TA-21, SURFACE CONTAMINATION RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	76	-24
AL-LA-11	TA-1, CONTAMINATED AREAS, STRUCTURES-TOWNSITE RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	34	-66
AL-LA-15	TA-10 FIRING SITES, STR RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	100	0
AL-LA-46	TA-54, MDA L, G, H, & J RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	100	130	30
AL-LA-51	TA-49 SUB-SURFACE CONTAMINATION	JULY 1, 1990	JULY 1, 1990	TBD	TBD	100	110	10
AL-LA-52	TA-49 SURFACE STRUCTURES	JULY 1, 1990	JULY 1, 1990	TBD	TBD	100	90	-10

ALBUQUERQUE OPERATIONS OFFICE
 ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT-YEAR WORK PLAN - FY90/FY91 MAJOR MILESTONE REPORT SHEET
 INSTALLATION: LOS ALAMOS NATIONAL LABORATORY

REPORT PERIOD: SEPTEMBER

TASK ID NO	CONTROL MILESTONE DESCRIPTION	SCHEDULED START DATE (BASELINE)	PLANNED START DATE	SCHEDULED FINISH DATE (BASELINE)	PLANNED FINISH DATE	FY90 % SCHEDULED	FY90 % COMPLETED	VARIANCE
AL-LA-57	INTERIM REMEDIAL MEASURES RFI/CMS	NA	NA	NA	NA	NA	NA	NA
AL-LA-59	NEPA TBD	OCT 1989	MAY 1990	TBD	TBD	TBD	TBD	NA
AL-LA-60	INSTALLATION WORK PLAN WORK PLAN	OCT 1989	OCT 1989A	MAY 1989	NOVEMBER 1990	100	119	
AL-LA-61	ASSESSMENT MANAGEMENT LEVEL OF EFFORT	NA	NA	NA	NA	NA	NA	NA
REMIEDIATION								
AL-LA-RC-1	TA-16, BURNING GROUND SURFACE IMPOUNDMENT CLOSURE	OCT 1988	OCT 1988A	SEPT 1990	SEPT 1990	100	29	-71
AL-LA-RC-2	TA-54, AREA L WASTE OIL STORAGE TANKS CLOSURE	OCT 1988	JAN 1990A	SEPT 1990	SEPT 1990	100	84	-16
AL-LA-RC-3	TA-35, WASTE OIL STORAGE PITS CLOSURE	OCT 1988	OCT 1988A	SEPT 1990	SEPT 1990	100	100	0
AL-LA-RC-4	TA-16, AREA P LANDFILL CLOSURE	JULY 1990	JULY 1990	SEPT 1990	SEPT 1990	0	0	0
AL-LA-RC-5	TA-40, SCRAP DETONATION SITE CLOSURE	OCT 1989	MAY 1990	SEPT 1990	SEPT 1990	100	110	10
AL-LA-RC-6	TA-54, AREAS L AND H CLOSURE	OCT 1989	JAN 1990A	TBD	TBD	100	71	-29
AL-LA-RC-9	RCRA MIXED WASTE DISPOSAL FACILITY REMIEDIATION	MAY 1989	MAY 1989	TBD	TBD	100	73	-27
AL-LA-57	INTERIM REMEDIAL MEASURES REMIEDIATION	NA	NA	NA	NA	NA	NA	NA
AL-LA-61	REMIEDIATION MANAGEMENT LEVEL OF EFFORT	NA	NA	NA	NA	NA	NA	NA

FILE NAME: EPTS02-2

ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT YEAR WORK PLAN - TASK ELEMENT MILESTONE REPORT SHEET
 REPORT PERIOD: SEPTEMBER
 LOS ALAMOS NATIONAL LABORATORY

TASK ID NO	TASK TITLE	ELEMENTS	SCHEDULED START DATE (BASELINE)	PLANNED START DATE	SCHEDULED FINISH DATE ¹	PLANNED FINISH DATE ¹
AL-LA-1	CANYONS	SPECIAL CONDITIONS	OCTOBER 1, 1989	OCTOBER 1, 1989A	TBD	TBD
AL-LA-2	TA-33, MATERIAL DISPOSAL AREAS	WORK PLAN	MAY 1, 1990	MAY 1, 1990A	TBD	TBD
AL-LA-3	TA-33 BLDGS AND OUTFALLS	WORK PLAN	MAY 1, 1990	MAY 1, 1990A	TBD	TBD
AL-LA-4	TA-33 SUBSURFACE STRUCTURES	WORK PLAN	MAY 1, 1990	MAY 1, 1990A	TBD	TBD
AL-LA-5	TA-50, MATERIAL DISPOSAL AREA C	WORK PLAN	MAY 1, 1990	APRIL 1, 1990A	TBD	TBD
AL-LA-8	TA-21, MDA A, B, T, U, & V	WORK PLAN	OCTOBER 1, 1989	OCTOBER 1, 1989A	OCTOBER 26, 1990	TBD
AL-LA-9	TA-21, SUBSURFACE STRUCTURES	WORK PLAN	OCTOBER 1, 1989	OCTOBER 1, 1989A	OCTOBER 26, 1990	TBD
AL-LA-10	TA-21, SURFACE CONTAMINATION	WORK PLAN	OCTOBER 1, 1989	OCTOBER 1, 1989A	OCTOBER 26, 1990	TBD
AL-LA-11	TA-1, CONTAMINATED AREAS, STRUCTURES - TOWNSITE	WORK PLAN	OCTOBER 1, 1989	JANUARY 1, 1990A	TBD	TBD
AL-LA-15	TA-10 FIRING SITES STRUCTURES	WORK PLAN	MAY 1, 1990	APRIL 1, 1990A	TBD	TBD
AL-LA-46	TA-54, MATERIALS DISPOSAL AREAS L, G, H, & J	RECON/RESEARCH	OCTOBER 1, 1989	OCTOBER 1, 1989A	SEPTEMBER 28, 1990	SEPTEMBER 28, 1990
AL-LA-51	TA-49 SUB-SURFACE CONTAMINATION	WORK PLAN	JULY 1, 1990	JULY 1, 1990A	TBD	TBD
AL-LA-52	TA-49 SURFACE STRUCTURES	WORK PLAN	JULY 1, 1990	JULY 1, 1990A	TBD	TBD
AL-LA-57	INTERIM REMEDIAL MEASURES	WORK PLANS	NA	NA	NA	NA

ENVIRONMENTAL RESTORATION PROGRAM
 FY90 CURRENT YEAR WORK PLAN - TASK ELEMENT MILESTONE REPORT SHEET
 REPORT PERIOD: SEPTEMBER
 LOS ALAMOS NATIONAL LABORATORY

TASK ID NO	TASK TITLE	ELEMENTS	SCHEDULED START DATE (BASELINE)	PLANNED START DATE	SCHEDULED FINISH DATE ¹	PLANNED FINISH DATE ¹
AL-LA-59	NEPA	TBD	TBD	TBD	TBD	TBD
AL-LA-60	INSTALLATION WORK PLAN	WORK PLAN	OCTOBER 1, 1989	OCTOBER 1, 1989A	TBD	TBD
AL-LA-61	ASSESSMENT MANAGEMENT	NA	NA	NA	NA	NA
REMEDIATION						
AL-LA-RC-1	TA-16, BURNING GROUND SURFACE IMPOUNDMENT	CLOSURE	DECEMBER 11, 1989	DECEMBER 11, 1989A	SEPTEMBER 14, 1990	SEPTEMBER 14, 1990
AL-LA-RC-2	TA-54, AREA L WASTE OIL STORAGE TANKS	CLOSURE	JANUARY 6, 1990	MARCH 5, 1990A	SEPTEMBER 28, 1990	SEPTEMBER 28, 1990
AL-LA-RC-3	TA-35, WASTE OIL STORAGE PITS	CLOSURE	OCTOBER 1, 1989	OCTOBER 1, 1989A	AUGUST 17, 1990	TBD
AL-LA-RC-4	TA-16, AREA P LANDFILL	CLOSURE	JULY 2, 1990	TBD	TBD	TBD
AL-LA-RC-5	TA-40, SCRAP DETONATION SITE	CLOSURE	JANUARY 22, 1990	MARCH 12, 1990A	SEPTEMBER 28, 1990	SEPTEMBER 28, 1990
AL-LA-RC-6	TA-54, AREAS L AND H	CLOSURE (H)	DECEMBER 18, 1989	TBD	SEPTEMBER 28, 1990	TBD
AL-LA-RC-9	RCRA MIXED WASTE DISPOSAL FACILITY	PERMITTING ACTIVITIES	TBD	TBD	TBD	TBD
AL-LA-57	INTERIM REMEDIAL MEASURES	REMEDIATION	NA	NA	NA	NA
AL-LA-61	REMEDIATION MANAGEMENT	NA	NA	NA	NA	NA

FILE NAME: EPTS03-3

¹ "FINISH DATES" REFER TO THE DATES WHEN WORKING DRAFT DELIVERABLES ARE PROVIDED TO DOE FOR REVIEW.