

5/1/90

Los Alamos National Laboratory  
**Environmental Restoration**  
A Department of Energy environmental clean-up program

MONTHLY REPORT  
MAY 1990

~~XXXXXXXXXX~~

5/1/90



REPORT PERIOD - MAY  
LOS ALAMOS NATIONAL LABORATORY  
LANL ER PROGRAM OFFICE

ALBUQUERQUE FIELD OFFICE

CONTRACTOR: UNIVERSITY OF CALIFORNIA

ACTING PROGRAM DIRECTOR: 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:

GF-72-91-01:	\$2665K
GF-72-91-02:	\$ 276K
GF-72-89-02:	<u>\$1296K</u>
TOTAL:	\$4237K

FY90 BUDGET:

GF-72-91-01:	\$ 7854K
GF-72-91-02:	\$ 505K
GF-72-89-02:	<u>\$ 2250K</u>
TOTAL	\$10609K

**INTRODUCTION**

The Laboratory is preparing its FY91 current-year work plan (CYWP), which is due to the Environmental Protection Agency (EPA) September 1, 1990. Because the effective date (May 23, 1990) of the Laboratory's Hazardous and Solid Waste Amendments (HSWA) module of the Laboratory's Resource Conservation and Recovery Act (RCRA) operating permit slipped approximately six months and the Laboratory did not receive sufficient funding to prepare FY90 Work Plans as planned, the Laboratory's FY91 CYWP will be significantly modified from the FY92 Five Year Plan (FYP).

The Laboratory has modified its CYWP as follows, based on DOE AL concurrence: 1) Task AL-LA-11 has been reduced from \$150K to \$50K; 2) Tasks AL-LA-51 and AL-LA-52 have been initiated (\$50K each). Additionally, Task AL-LA-61 has been reduced by \$100K and transferred to AL-LA-8 (\$45K).

AL-LA-9 (\$20K), and AL-LA-20 (\$35K). The CYWP changes are all within B&R Code GF-72-91-01.

The May 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)

Work Plan - There was minimal field activity on this task during the month of May. There was a small expenditure for hydrologic measurements training. The current cost underrun is a reflection of the seasonal nature of field activities. It will be offset by an increased level of effort during the summer months. The project is expected to be on schedule and within budget by the end of the fiscal year.

AL-LA-2 (TA-33, Material Disposal Areas) (Project Leader - Paul Aamodt)

Work Plan - During May, the lead technical organization, CLS-1, began assembling the core technical team composed of geoscientists, chemists, and engineers from various Laboratory divisions. The core team members will be assigned appropriate portions of the Work Plan to complete as a major part of their initial assignments. CLS-1 also assigned a person full time to begin compiling the available historical information on the TA-33 Material Disposal Areas.

A cost underrun is not expected this fiscal year. Fiscal Year 90 funding is below the amount indicated in the FY92 FYP, thus supplemental funding will be needed in FY91 and FY92 to meet the requirements of the HSWA module of the RCRA operating permit.

AL-LA-3 (TA-33, Buildings and Outfalls) (Project Leader - Paul Aamodt)

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 - Paul Aamodt)

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 - Sandy Wagner)

Work Plan - A major archival search and historical information gathering effort is currently underway to obtain adequate information to prepare Section

3 of the RFI Work Plan planned to begin in June. Existing budget may be inadequate to complete activities scheduled for this fiscal year. Work to date is ahead of schedule.

AL-LA-8 (TA-21, MDA A, B, T, U, and V) (Project Leader-Micheline Devaurs)

Work Plan - The internal milestone for completion of Section 3 of the TA-21 Work Plan (SWMU description and identification of data needs) for all 68 TA21 SWMUs was May 28, 1990. This deliverable was completed for a majority of the TA-21 SWMUs, and expected completion dates were given for Section 3 for most remaining TA-21 SWMUs.

Section 3 was completed for Material Disposal Areas A, T and U. The Area B write-up is projected to be complete by July 1, 1990. The building 257 write-up, which is to be incorporated with MDA T is unassigned at this time.

At this time it appears the TA-21 Work Plan will cost more than originally projected, due to the magnitude and complexity of the document being generated. The budget for this Work Plan may not be adequate for this fiscal year. This is impacting internal TA21 milestones, and will impact FY 91 TA21 Work Plan costs, 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 - An interim draft of some sections of the Area B pilot scale Work Plan was submitted May 18, 1990. Additional sections will be submitted June 30 and July 31, 1990. The final document is due September 1, 1990 and will be incorporated into the TA21 Work Plan. This task is on schedule, and a cost underrun is not anticipated this fiscal year.

AL-LA-9 (TA-21 Subsurface Structures) (Project Leader-Micheline Devaurs)

Work Plan - The internal milestone for completion of Section 3 of the TA-21 Work Plan (SWMU description and identification of data needs) for all 68 TA21 SWMUs was May 28, 1990. This deliverable was completed for a majority of the TA21 SWMUs, and expected completion dates were given for Section 3 for most remaining TA21 SWMUs.

Section 3 was completed for the acid pit, acid waste lines and sumps, and the tank farm. A contractor began working on Work Plan sections for seepage pits and dry well. All Section 3 writeups for this task are projected to be complete by August 1, 1990.

At this time it appears the TA21 Work Plan will cost more than originally projected, due to the magnitude and complexity of the document being generated. The budget for this Work Plan may not be adequate for this fiscal year. This is impacting internal TA21 milestones, and will impact FY 91 TA21 Work Plan costs, but at this time LANL will still be able to meet the RCRA Part B Permit schedule for this document.

AL-LA-10 (TA-21 Surface Contamination) (Project Leader- Micheline Devaurs)

Work Plan - The internal milestone for completion of Section 3 of the TA-21 Work Plan (SWMU description and identification of data needs) for all 68 TA21 SWMUs was May 28, 1990. This deliverable was completed for a majority

of the TA21 SWMUs, and expected completion dates were given for Section 3 for most remaining TA21 SWMUs.

At this time completion of Section 3 for TA21 surface SWMUs is unassigned. A contractor began working on Section 3 for all TA21 outfalls.

At this time it appears the TA21 Work Plan will cost more than originally projected, due to the magnitude and complexity of the document being generated. The budget for this Work Plan may not be adequate for this fiscal year. This is impacting internal TA21 milestones, and will impact FY 91 TA21 Work Plan costs, but at this time LANL will still be able to meet the RCRA Part B Permit schedule for this document.

AL-LA-11 (TA-1, Townsite) (Project Leader - Sandy Wagner)

Work Plan - This task is significantly behind schedule and budget. Effort on the Work Plan will be reassigned in an attempt to complete some of the scheduled work, but it will not be 100% complete at the end of the fiscal year. In addition, it appears that the entire budget cannot be spent on this task; therefore, the task was re-baselined, with excess funds to be used to initiate work on two other tasks (AL-LA-51 and AL-LA-52).

AL-LA-15, (TA-10, Bayo Canyon) (Project Leader - Sandy Wagner)

Work Plan - Writing of the RFI Work Plan Section 3 is nearly complete for TA-10. Principal known contaminants are uranium and strontium, which can be found at low levels in near surface soils. The data needs on source terms include better depth relationships, stream channel/bank distributions and possibly in the fallout pathway from the explosive tests. The archiving effort continues on all TA-10 SWMUs.

Existing budget appears to be more than adequate to complete the activities planned for this fiscal year. Remaining funds will be requested to complete the scheduled effort for the TA-50 RFI work plan. This task is slightly ahead of schedule.

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

Quarterly sampling of the pore gas monitoring wells will not occur again until June. Therefore, there was very little activity this month. Some preparations were made for the last round of well installations intended to bound the plume, and the database, which has been inoperative, was worked on.

Spending on this task is slightly behind schedule. The CYWP includes the purchase of an instrument capable of automated analyses of the pore gas samples, and the instrument has not yet come in. Actual spending will catch up with planned spending once the invoice for this instrument is paid.

## AL-LA-57 (Interim Remedial Measures) (Project Leader - Paul Aamodt)

Coordination between the ER Program Office and construction has been hampered by a lack of guidance from EPA concerning the application of Land Disposal Restrictions (LDR) to Institutional Interim Actions. The concern is the definition of "placement", which determines whether or not soil and solid waste in a SWMU can be moved around within the boundary without triggering the treatment standards of LDR. A letter requesting guidance on this matter has been transmitted to EPA.

Interim remedial measures are undertaken as needed. When appropriate, task element milestones are assigned based on scope and importance of the activity. The demand for construction project reviews to assure that ER issues would be identified as early as possible has picked up significantly as ER requirements/constraints have become more visible. Warm weather has greatly accelerated outdoor work and much of it includes excavations for underground conduits, foundations, roadways, etc. Those on or near SWMUs must be reviewed for compliance. Guidance from DOE is that construction projects must pay for such survey work when ER Interim Action funds are depleted. At several thousand dollars per sample, even a small reconnaissance survey can effectively kill a small budget project. There is increasing consternation and frustration being expressed as a result of this policy.

Below are listed some of the active Interim Actions that are being assessed or otherwise addressed.

Material Disposal Area C - The geophysical survey to delineate pit boundaries was evaluated and a report completed. During the month, it was decided to reassess other potentially acceptable sites due to possible hazards at Area C and the probability of future interruptions of the Hazardous Waste Treatment Facility when remedial actions are undertaken. It appears likely that an alternate site will be found, thus additional ER assessment activities are for now being put on hold pending review of the alternate site(s).

Sanitary Wastewater Systems Consolidation - This is a major construction project to consolidate non-compliant (NPDES) wastewater lines from several Laboratory sites. The hazard assessment sampling at the treatment plant site and feed lines (several miles long and crossing a number of SWMUs) is expected to be rather expensive due to the large area involved and the cost of analyses. Perhaps as much as \$200-300K might be required for the preliminary reconnaissance sampling alone. This is a major concern to the construction manager because the budget does not include funds for large ER-related expenditures. A second issue is whether the EPA will allow on-site storage/replacement of excavated material within the SWMUs. If not, there will be an additional large cost for characterization, treatment, and disposal of excavation wastes. The Sanitary Wastewater Systems Consolidation Project has not committed funds to ER, therefore, the ER Program Office has not moved forward with SWMU investigations.

TA-36 - Bunker and Fuel Storage-Tank Construction at Live Firing Site - This construction project was nearing completion when it came to the attention of the ER Program Office. A visual review of the site was made and a determination that reconnaissance samples should be collected due to the

proximity of disposal trenches and blast debris. A Scope of Work was prepared and sampling should be undertaken during June. Approximately 30 samples from surface and near-surface locations are planned to be collected.

Sigma Building Cyanide Tanks - Emergency overflow acid and cyanide tanks used in metal fabrication were found to be leaking beneath the Sigma Building shops. The tanks are to be replaced with new double-walled tanks. When the space (sump area) is cleared, samples will be collected by drilling beneath the sump and possibly from a slant hole beneath the building to assure that the underlying soil has not been contaminated (or to determine the extent of the contamination if present). This work may not be done until late FY90 or early FY91.

TA-2 - Omega West Drainline Consolidation - This project will consolidate an number of drains that now discharge directly into the canyon. The lines come from sinks, water fountains, floor drains, etc., that were not intended to carry contaminated water, but might, under certain failure conditions, be in violation of NPDES. The consolidation line will be placed in a trench south of the facility. It will tie in to each drain line and carry discharges to a treatment plant downstream to the east of the TA-2 facilities. A preliminary reconnaissance sampling plan is yet to be prepared for this project. An issue that must be resolved before construction is whether or not CERCLA LDR requirements can be followed which would allow excavated material to be replaced in the trench and/or stored on-site until such time as remediation is scheduled. Unless this approach is permissible, it may be too expensive to perform this activity.

Sigma Mesa Evaporation Pond - An abandoned evaporation pond site on Sigma Mesa was proposed to be dismantled and used for placement of a transportable gas cylinder recontainerization facility. The pond site is a SWMU and drums of unknown content were stored around the pond in the past. After a site visit, it was recommended that the recontainerization modules be located on pristine land approximately 150 ft to the east of the pond. This location would allow power and phone access, but is reasonably removed from the SWMU. Pre and post operations soil samples were recommended to be collected at the location of the recontainerization facility to verify that the operations did not contaminate the site.

Active Firing Range Expansion - This proposed project would expand the area of the active firing range in Sandia Canyon, an identified SWMU. At issue is whether or not lead contaminants from past use might exist to the east of the active range area. A review of the site which has barriers on the east and west sides, suggests that there will be no impact from the proposed construction outside the active area to the east.

Old Bandelier Landfill - During the last year, PCB contamination was identified at an old landfill on National Park land. It is not clear if LANL ever used this site. A historical records search is being performed to ascertain whether LANL has any responsibility for this site.

Upper Mortandad Canyon - Samples collected in the vicinity of the proposed road access to a new Materials Science Laboratory were analyzed during March-April. In May, it was discovered that several (9) samples were

analyzed after the shelf holding times had expired. Replicate samples will be collected at the affected locations and reanalyzed (at no cost to ER) during June.

Target Fabrication Facility - Construction in proximity to a SWMU is scheduled for FY91. No action to date.

World Services Salvage Yard - As part of Tiger Team preparations, a project to asphalt additional storage yard surface area is being readied. The Salvage Yard is within a SWMU designated area, thus the ER Program Office has reviewed the planned work and made recommendations as to a design/construction approach that will not compromise the HSWA permit requirements. When future remediation is undertaken, the existing and new pads will be subject to disturbance as a consequence of ER actions.

AL-LA-59 (NEPA)

NEPA-related activities will be initiated in June.

AL-LA-60 (Installation Work Plan)

Preparation of the Installation Work Plan (IWP) is still running behind schedule. However, it is anticipated that the IWP will be back on schedule by September 1, 1990. The following discussion presents the status of the IWP by section heading.

#### Executive Summary

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

#### Introduction

No activity to date.

#### ER Program Description

The only activity associated with this section is the SWMU data base. This SWMU database should be completed as rough drafts by mid July.

#### LANL ER Program Management

The ER Program Management System Plan has been drafted. However, parts of the management system plan can not be completed without DOE guidance.

#### Installation Description

Some portions of this section will be in outline form for the July 27 internal review deadline. It is expected that they can catch up before the end of the fiscal year.

### Pilot Studies Work Plan

This plan, involving proposed activities at the Environmental Engineering Testing Facility, EETF, (integrated test plotcover [ITP] demonstrations and long-term woodland pilot study) and at material disposal areas F and G, was submitted May 18, 1990. This document is undergoing internal review.

A cost underrun is not anticipated for this project this fiscal year.

### Stabilization Strategy and Conceptual Model Description

This work plan section, involving development of a conceptual model of a capped generic waste site with long-term monitoring was submitted May 11, 1990. This document is currently undergoing internal review.

A cost underrun is not anticipated for this project this fiscal year.

### Decision Analysis Methodology and Benefit-Cost Analysis

A scope of work was approved for this work plan section which will address using decision analysis methodology and benefit cost analysis as tools for determining the best allocation of resources, for organizing the multidisciplinary efforts necessary to investigate and remediate waste sites and for evaluating remediation alternatives. This document will be submitted by July 27, 1990.

A cost underrun is not anticipated for this project this fiscal year.

### Quality Assurance Program Plan Annex

Writing of the QAPP is well underway. It should be available for internal review by the end of June.

Development of the QA/QC Program is continuing. Several scoping meetings were held with ICF Kaiser Engineers regarding Quality Assurance Program Plan development. A meeting with EPA Region VI QA personnel was held to help determine appropriate QA direction.

### Health & Safety Program Plan Annex

Work commenced this month on writing the text of the Health and Safety Plan that is part of the IWP.

### Technical Data Management Program Plan Annex

Work is underway and on schedule for the Technical Data Management Program Plan.

### Community Relations Program Plan Annex

Performed Community Interviews with public officials, community leaders, and individual citizens in Santa Fe and Los Alamos to gather information necessary for preparation of an effective Community Relations Plan. More have been scheduled for June.

## AL-LA-61 (Assessment Management)

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

### Program Management

Activities during May 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. A cost underrun is not expected during FY90 as the ER Program Office will be acquiring more space.

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

Arrangements are being made for QA training to be presented June.

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

The first phase of an effective ER program for protecting the health and safety both of workers and the public is to collect all the rules and regulations pertaining to health and safety for activities at SWMU sites. This month's effort was focused on obtaining DOE orders concerning health and safety; the Laboratory's Environment, Safety, and Health Manual; and pertinent regulations from the National Institute for Occupational Safety and Health and from the Occupational Safety and Health Administration. Additional information will be arriving from the Environmental Protection Agency and from the State of New Mexico. The second phase is that of identifying changes necessary to bring current health and safety practices into compliance with requirements and with safer ways of working at hazardous locations, if such ways are identified. The third phase of this health and safety program involves communicating the changes to affected groups and personnel. Meetings were held with Health, Safety, and Environment Division employees to discuss implementing the changes mandated by the health and safety regulations prescribed by the HSWA permit. The major changes involve additional training for workers and their supervisors at hazardous sites, additional medical surveillance, and controlling site access. These changes will be detailed in a health and safety memorandum to be issued shortly.

Technical Data Management Program (TDMP) - Project Leader - Robert Vocke)

The technical data management (TDM) and geographical information systems (GIS) are part of an integrated program to develop a facility (hardware) and system (software) for information management, analysis and display. Initial system development is being accomplished on a local area network (LAN) of UNIX workstations. Our intent is to develop a user-friendly environment to provide program, task and project leaders with access and analysis capabilities for all information pertaining to the ER Program. Workstations currently being used for system development will be distributed to task leaders, probably toward the end of the calendar year, and the role of the facility will evolve to support data input and validation, mass storage, test and evaluation of new

hardware and software, and utilization of shared input and output devices such as digitizers, 3-D graphics terminals, color plotters, video equipment, etc.

A variety of UNIX workstations are currently being integrated into a LAN for the system development effort. ORACLE software has been purchased for relational data base management. ARC/INFO GIS software is on order, and we will soon evaluate some UNIX-based software for project management. Requests-for-Quotes will soon go out for electronic document archival and retrieval and still video system. Most of our purchase decisions for software and hardware have been on adherence to the philosophy of "open systems," i.e. vendor-independence. Due to delayed deliveries of hardware and software we are approximately 1-1/2 months behind schedule, and under budget.

Community Relations Program - (Project Leader - Martin Janowski)

Presentations - An overview presentation of the ER Program and the opportunities within the program for public involvement is being developed for public meetings and invitations from public groups.

Community Relations Reading Room - The public needs a central location to access up to date information about the ER Program and current activities. We have investigated the use of a facility in the city of Los Alamos that would fulfill this function and hope to begin developing the facility by this summer.

Communications Training - To develop greater public understanding and involvement in the ER Program, it is important that ER Program Staff and other HSE groups which will communicate with the public at meetings, be trained in communications skills. A training program will be held this summer to achieve this community relations goal.

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

**Task Element Status**

AL-LA-57 (Interim Remedial Measures)

No activity during April. This task is not expected to underrun this year due to required UST removal.

AL-LA-61 (Remediation Management)

Activities during May focused on modifying the FYP CYWP and managing the EP Program as it is expanding. A cost underrun is not expected during FY90 as the ER Program Office will be acquiring more space.

**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. To date, all compliance deadlines have been met.

This month, telephone conversations with the State were held to discuss whether the residual contamination at the surface impoundment warranted additional excavation and sampling. The State performed a calculation indicating that the incremental risk was acceptable and no further work was necessary. Their decision has been documented in a letter. Backfilling and reseedling will occur next month.

Costs to date for this task are below predictions because they don't yet reflect all of the analytical costs for the 12 samples. Organic analyses costs were accidentally reported on the wrong program code. The situation will be corrected in next month's report.

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

Expenditures this month reflect analytical costs associated with rinsate samples. Data evaluation showed that three of the six tanks were clean after the first rinse and they will be cut up for disposal next month. The tanker truck was rinsed again and the rinsate sampled. Further rinsing and analysis for the remaining tanks will occur next month.

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

No significant activity this month. Reported costs are not matching predictions because the remaining work, modification of the closure plan, is behind schedule. Assistance from IT Corporation will be sought next month for closure plan revision.

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

Closure - The revision of this closure plan, if deemed necessary, has not been scoped yet. Scoping meetings will be held in July with HSE-8.

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

This month, a meeting was held at TA-40 with personnel from M Division to discuss the pending closure of the Scrap Detonation Site. A presentation on the ER Program was provided, and discussions about the closure were followed by a site visit. To everyone's surprise, the amphitheater created by past

operations had been filled in with construction debris. The sampling strategy for the closure plan will have to be modified accordingly. This newly discovered condition will not effect costs this year, but ultimately, closure costs will be higher than expected. Most of the effort this month was conducted out of the ER Program Office and was therefore funded out of remediation management. Subcontractor costs will begin showing up next month.

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

The revision of this closure plan, to be conducted by Roy F. Weston, Inc., has not been scoped yet. Scoping meetings will be held in July. The expenditures reported in May reflect work completed toward the development of the mobile GC/MS.

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 Disposal Facility) (Project Leader - Paul Aamodt)

The Preliminary Site Selection Study was undergoing internal reviews beginning this month. Completion of the Draft Mixed Waste Disposal Facility Alternative Design Options Study is continuing. Scopes of Work for preparing a project QA Plan, an Inventory of LDR wastes, and a Strategy Plan for Performance Assessment are being developed. A Project Management Plan will be developed by MEE-4 as part of their new role as contractor liaison for this project. MEE-4 will begin active participation next month. The commencement of the new contractor tasking in June, plus the addition of MEE-4 beginning in June, will bring this project on schedule and within budget for the remainder of FY90.

## **PROBLEMS/ISSUES**

A significant problem is developing with regard to funding for remedial actions related to laboratory modernization and maintenance construction activities. The DOE has determined that the construction projects are responsible for funding any required RFI/CMS/CMI-related activities once the ER Program budget is exhausted. This policy has potential to place a significant (and unplanned) financial burden on several projects and may result in major delays or cancellations.

## **MANAGER'S ASSESSMENT OF % COMPLETE:**

It appears that the Laboratory is approximately 40% complete with FY90 activities based on the revised proposed CYWP and NMEID approval of the revised approach to closure activities. The ER Program Office is making adjustments to ensure cost effective implementation of the ER Program under 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)]\_X\_ RD/RA[CERCLA/SARA/RCRA 3004(U)]\_\_\_ REPORT PERIOD: MAY  
 RCRA CLOSURE\_\_\_

TASK ID NO	PLANNED CURRENT FISCAL YEAR COSTS (\$K)	FY90												FY TOTAL		CV		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BL	EST			
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									
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								
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								
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								
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								
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	65	656 /	656 /			0
	ACT	16	71	76	92	17	39	39	70									
AL-LA-9	TA-21, SUBSURFACE STRUCTURES ASSESSMENT AL-1106																	
	PLAN	30	30	30	30	30	50	60	61	40	25	30	30	385 /	385 /			0
	ACT	16	12	13	34	14	29	28	39									

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)]\_X\_ RD/RA[CERCLA/SARA/RCRA 3004(U)]\_ RCRA CLOSURE\_ REPORT PERIOD: MAY

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	40	400	/	400	/	0
	ACT	16	12	13	34	14	29	27	38									
*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									
AL-LA-15	TA-10 FIRING SITES, STR - TOWNSITE AL-1079																	
	PLAN						0	0	20	20	20	20	20	100	/	100	/	0
	ACT						0	15	18									
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									
AL-LA-51	TA-49 SURFACE CONTAMINATION																	
	PLAN							0	0	13	13	14	40	/	40	/	0	
	ACT							0										
AL-LA-52	TA-49 SUB-SURFACE CONTAMINATION																	
	PLAN							0	0	20	20	20	60	/	60	/	0	
	ACT							0										
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									

\*BL = ACTUALS (OCT-MAY) \$6K; PLUS PLANNED (JUN-SEP) \$44K

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)]\_X\_ RD/RA[CERCLA/SARA/RCRA 3004(U)]\_\_\_ REPORT PERIOD: MAY  
 RCRA CLOSURE\_\_\_

TASK ID. NO	PLANNED CURRENT FISCAL YEAR COSTS (\$K)	FY90												FY TOTAL		CV		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BL	EST			
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									
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									
AL-LA-61	MANAGEMENT/REVIEW/REPORTING ASSESSMENT AL-2107																	
	PLAN	100	100	100	120	120	120	240	240	240	210	210	221	2004	/	2004	/	0
	ACT	59	86	56	269	53	71	232	127									
TOTALS	PLAN	335	365	375	355	355	531	913	1138	1075	1004	976	1028	7854	/	7854	/	0
	ACT	113	208	183	544	195	236	540	646									

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)  
 FILE NAME: (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: MAY  
 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	25	195	/	195	/	0
	ACT	6	88	1	0	0	3	0	0									
AL-LA-61	MANAGEMENT/REVIEW/REPORTING REMEDIATION AL-2106																	
	PLAN	20	25	25	25	25	35	25	35	35	25	25	50	310	/	310	/	0
	ACT	0	0	9	52	19	20	42	36									
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									

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)

FILE NAME: (ERP5-1)

ENVIRONMENTAL RESTORATION PROGRAM  
 FY90 CURRENT YEAR WORK PLAN - TASK ACTIVITY REPORT SHEET  
 REPORT PERIOD: MAY  
 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	50	12	670	42
AL-LA-2	TA-33, MATERIAL DISPOSAL AREAS	WORK PLAN	TBD	TBD	20	18	150	27
AL-LA-3	TA-33, BLDGS AND OUTFALLS	WORK PLAN	TBD	TBD	20	13	150	20
AL-LA-4	TA-33, SUBSURFACE STRUCTURES	WORK PLAN	TBD	TBD	20	13	150	20
AL-LA-5	TA-50, MATERIAL DISP AREA C	WORK PLAN	TBD	TBD	2	33	100	33
AL-LA-8	TA-21, MDA A, B, T, U, & V	WORK PLAN	TBD	TBD	48	65	656	420
AL-LA-9	TA-21, SUBSURFACE STRUCTURES	WORK PLAN	TBD	TBD	83	48	385	185
AL-LA-10	TA-21, SURFACE CONTAMINATION	WORK PLAN	TBD	TBD	80	46	400	183
AL-LA-11	TA-1, CONTAMINATED AREAS, STRUCTURES - TOWNSITE	WORK PLAN	TBD	TBD	10	10	50	6
AL-LA-15	TA-10 FIRING SITES, STR - TOWNSITE	WORK PLAN	TBD	TBD	20	33	100	33
AL-LA-46	TA-54, MATERIALS DISPOSAL AREAS L, G, H, & J	RECON/RESEARCH	TBD	TBD	65	65	150	46
AL-LA-51	TA-49 SURFACE CONTAMINATION	WORK PLAN	TBD	TBD	0	0	40	0
AL-LA-52	TA-49 SUB-SURFACE CONTAMINATION	WORK PLAN	TBD	TBD	0	0	60	0
AL-LA-57	INTERIM REMEDIAL MEASURES	WORK PLANS	TBD	TBD	NA	NA	639	130
AL-LA-59	NEPA	TBD	TBD	TBD	TBD	TBD	50	0

ENVIRONMENTAL RESTORATION PROGRAM  
 FY90 CURRENT YEAR WORK PLAN - TASK ACTIVITY REPORT SHEET  
 REPORT PERIOD: MAY  
 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	60	27	2,100	567
AL-LA-61	ASSESSMENT MANAGEMENT	NA	NA	NA	NA	NA	2,004	953
SUBTOTAL - ASSESSMENT							7,854	2,665
REMEDIATION								
AL-LA-RC-1	TA-16, BURNING GROUND SURFACE IMPOUNDMENT	CLOSURE	TBD	TBD	60	60	107	17
AL-LA-RC-2	TA-54, AREA L WASTE OIL STORAGE TANKS	CLOSURE	TBD	TBD	60	60	75	58
AL-LA-RC-3	TA-35, WASTE OIL STORAGE PITS	CLOSURE	TBD	TBD	85	85	1,100	1,002
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	25	10	50	1
AL-LA-RC-6	TA-54, AREAS L AND H	CLOSURE	TBD	TBD	50	30	553	182
AL-LA-RC-9	RCRA MIXED WASTE DISPOSAL FACILITY	PERMITTING ACTIVITIES	TBD	TBD	52	11	315	36
AL-LA-57	INTERIM REMEDIAL MEASURES	REMEDIATION	TBD	TBD	NA	NA	195	98
AL-LA-61	REMEDIATION MANAGEMENT	NA	NA	NA	NA	NA	310	178
SUBTOTAL - REMEDIATION							2,755	1,572
TOTAL - ER PROGRAM							10,609	4,237

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

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: MAY

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
<b>ASSESSMENT</b>								
AL-LA-1	CANYONS RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	50	12	-38
AL-LA-2	TA-33, MATERIAL DISPOSAL AREAS RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	20	18	-2
AL-LA-3	TA-33 BLDGS AND OUTFALLS RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	20	13	-7
AL-LA-4	TA-33 SUBSURFACE STRUCTURES RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	20	13	-7
AL-LA-5	TA-50, MATERIAL DISPOSAL AREA C RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	20	33	13
AL-LA-8	TA-21, MDA A, B, T, U, & V RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	48	65	17
AL-LA-9	TA-21, SUBSURFACE STRUCTURES RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	83	48	-35
AL-LA-10	TA-21, SURFACE CONTAMINATION RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	80	46	-34
AL-LA-11	TA-1, CONTAMINATED AREAS, STRUCTURES-TOWNSITE RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	10	10	0
AL-LA-15	TA-10 FIRING SITES, STR RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	20	33	13
AL-LA-46	TA-54, MDA L, G, H, & J RFI/CMS	OCT 1988	OCT 1988A	TBD	TBD	65	65	0
AL-LA-51	TA-49 SURFACE CONTAMINATION	JULY 1, 1990	JULY 1, 1990	TBD	TBD	0	0	0
AL-LA-52	TA-49 SUB-SURFACE CONTAMINATION	JULY 1, 1990	JULY 1, 1990	TBD	TBD	0	0	0

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

REPORT PERIOD: MAY

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/CHS	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	60	27	-33
AL-LA-61	ASSESSMENT MANAGEMENT LEVEL OF EFFORT	NA	NA	NA	NA	NA	NA	NA
<b>REMEDIATION</b>								
AL-LA-RC-1	TA-16, BURNING GROUND SURFACE IMPOUNDMENT CLOSURE	OCT 1988	OCT 1988A	SEPT 1990	SEPT 1990	60	60	0
AL-LA-RC-2	TA-54, AREA L WASTE OIL STORAGE TANKS CLOSURE	OCT 1988	JAN 1990A	SEPT 1990	SEPT 1990	60	60	0
AL-LA-RC-3	TA-35, WASTE OIL STORAGE PITS CLOSURE	OCT 1988	OCT 1988A	SEPT 1990	SEPT 1990	85	85	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	25	10	-15
AL-LA-RC-6	TA-54, AREAS L AND H CLOSURE	OCT 1989	JAN 1990A	TBD	TBD	50	30	-20
AL-LA-RC-9	RCRA MIXED WASTE DISPOSAL FACILITY REMEDIATION	MAY 1989	MAY 1989	TBD	TBD	52	11	-41
AL-LA-57	INTERIM REMEDIAL MEASURES REMEDIATION	NA	NA	NA	NA	NA	NA	NA
AL-LA-61	REMEDIATION 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: MAY  
 LOS ALAMOS NATIONAL LABORATORY

TASK ID NO	TASK TITLE	ELEMENTS	SCHEDULED START DATE (BASELINE)	PLANNED START DATE	SCHEDULED FINISH DATE	PLANNED FINISH DATE
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 SURFACE CONTAMINATION	WORK PLAN	JULY 1, 1990	JULY 1, 1990	TBD	TBD
AL-LA-52	TA-49 SUB-SURFACE CONTAMINATION	WORK PLAN	JULY 1, 1990	JULY 1, 1990	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: MAY  
 LOS ALAMOS NATIONAL LABORATORY

TASK ID NO	TASK TITLE	ELEMENTS	SCHEDULED START DATE (BASELINE)	PLANNED START DATE	SCHEDULED FINISH DATE	PLANNED FINISH DATE
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
<b>REMEDIATION</b>						
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	AUGUST 17, 1990
AL-LA-RC-4	TA-16, AREA P LANDFILL	CLOSURE	JULY 2, 1990	JULY 2, 1990	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	JULY 2, 1990	SEPTEMBER 28, 1990	SEPTEMBER 28, 1990
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

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