

BUILDING 123 DECOMMISSIONING

PROJECT EXECUTION PLAN

(PEP)

REV. 4

SEPTEMBER 11, 1997

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PROJECT EXECUTION PLAN/BUILDING 123 DECOMMISSIONING

PERFORMING ORGANIZATION CONCURRENCE SHEET

The undersigned have reviewed the cost, schedule, and scope commitments established by this Project Execution Plan and agree to meet these commitments by the assignment of resources and applying an appropriate level of management attention to project execution

Concurrence by  Dated 9/12/97

Concurrence by  Dated 9/12/97

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BUILDING 123 DECOMMISSIONING PROJECT EXECUTION PLAN

1.0 Project History/ Background

1.1 Introduction

The purpose of this project is to decommission buildings 123, 113, 114, and 123S, stabilize in place or remove the buried sections of the process waste line, and remediate contaminated soil either below or adjacent to the building. The planning, design, regulatory approvals and asbestos containing material (ACM) abatement activities are to be completed in FY97. Also, a decommissioning contract is to be awarded such that the buildings are ready to move to the second phase.

Decommissioning these buildings is being carried out as part of the strategy in the RFETS Ten Year Plan to close the site. Building 123 is scheduled for decommissioning at this time, because the building occupants are scheduled to be relocated and the building represents a low level of risk. The building is not heavily contaminated and it is a simple structure from a demolition perspective. This structure offers an opportunity to strengthen our decommissioning expertise on a moderately-sized, low risk building. The other buildings or structures are small structures immediately adjacent to Building 123. They can be conveniently and economically removed when Building 123 is demolished.

1.2 Building Descriptions

Building 123 is located in the Rocky Flats Environmental Technology Site (RFETS) industrial area. The building lot is enclosed by the intersections of Central and Cottonwood Avenues with Third and Fourth Streets. The building location is shown in Figure 1-1.

The building is a U-shaped structure with the front facing north along Central Avenue. The east wing runs north and south along Fourth Street, while the west wing parallels the east wing along Third Street. It is a single story, masonry structure with a steel structural frame. The building encloses approximately 19,000 square feet. The approximate outer dimensions are 150 by 40 feet for the north section, 145 by 40 feet for the west wing, and 200 by 50 feet for the east wing. The average building height above ground level is 20 feet. There are four scrubber systems and two are located above roof vents for hoods. The process waste line from the building feeds Valve Vault 18.

Building 113 is located immediately north of Building 123 on the north side of Central Avenue. The facility is about 15 by 20 feet and is built of pre-cast concrete with a flat roof.

Building 114 is a shelter located at the northeast corner of Building 123. It is of masonry construction with a flat roof. It encloses approximately 25 square feet.

Building 123S is located to the southwest of Building 123. It is a metal shed on a concrete slab. It is approximately 8 by 8 feet.

1.3 Building Histories

Building 123 originally consisted of the east and central wings, which were constructed in 1952. The west wing was added in 1968. There are approximately 15 laboratories and 30

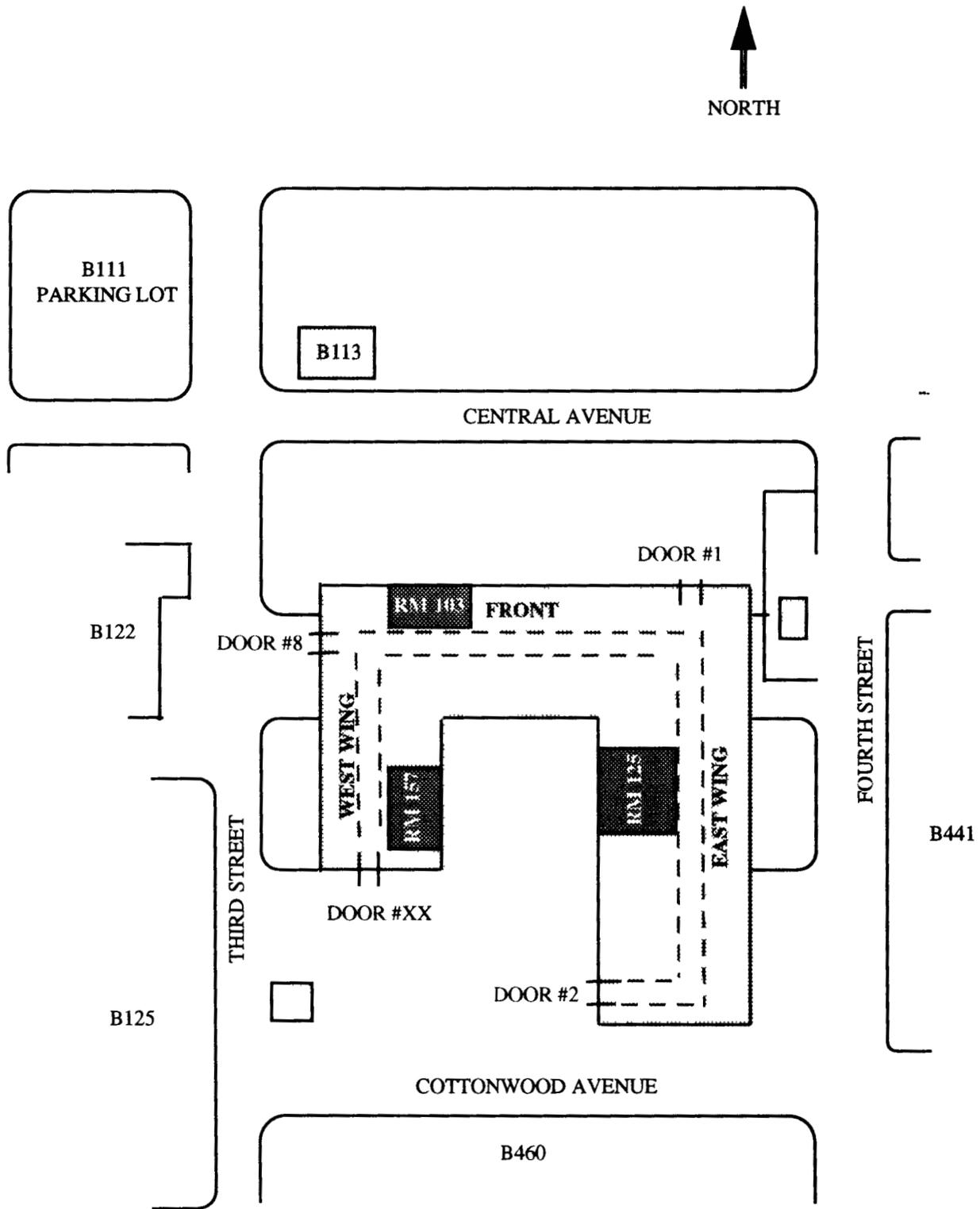


Figure 1-1 Building 123 Site Location

offices in the building. The building has always been used as a bioassay laboratory and dosimetry counting and distribution facility. It also provides office space for radiation health specialists, storage of all radiation health records, a laboratory for calibration and repair of criticality alarms, and other miscellaneous repair and calibration shops.

Building 113 was constructed in the 1980's as a security post. The building currently serves as office space and active records storage for RFETS medical records.

Building 114 has always served as a weather shelter for people waiting for their rides. There are no utilities associated with the building.

Building 123S served as a RCRA 90 day storage area for Building 123 laboratory wastes. There are no utilities associated with the building. Organic wastes were stored in the building. The facility has been closed and wastes are no longer stored there.

2.0 Estimated Project Budget

The project budget is based on engineering estimates for each work activity. The individual work activity estimates were then rolled up to create the overall budget for the project. The work activity budgets are summarized in Table 2-1. Table 2-2 provides a month-by-month spread of anticipated project expenditures. This spread represents the budget baseline for the project. These budget values are engineering estimates based on conceptual-level information. They are fully burdened and include 25% contingency.

2.1 Work Authorization Process

Work is authorized through the framework of the Master Activity List (MAL). The MAL provides a mechanism to identify the authorization basis for the project and the process to ensure that the authorization basis is adequate and that the requirements have been fulfilled. The Building 123 decommissioning project has been approved for planning. The project has been broken into the following phases for MAL approval to execute: 1) asbestos abatement, 2) building deactivation, 3) building demolition, 4) under building contamination remediation.

2.2 Contingency Controls

Contingency has been included in the authorized budget for the project. The contingency level was set at 25% due to the level of design and characterization information available at the time. A specific contingency pool has not been set aside for the project. Specific task budgets are authorized in advance and expenditures against those budgets are made only with the concurrence of the project manager.

3.0 Project Summary

The project scope of work includes the completion of all activities to prepare buildings 123, 113, 114, and 123S for decommissioning, decommissioning the buildings, stabilization or removal of process waste line sections P1, P2, and P3 (part of RCRA Unit 40) and clean up of contaminated soil beneath and adjacent to the building (IHSS 148). This includes planning and engineering, facility assessments, regulatory activities, characterization of building contaminants, decontamination and site preparation. The scope also includes the procurement activities to identify and put subcontracts in place to perform asbestos

			11-Sep-97
			wp/ds
WBS 1 1 05 02 04			
WAD 25			
ISB IAFB0410000			
Scope Items	<u>Scope Item</u> <u>Budget</u>	<u>Project</u> <u>Budget</u>	
1 Exterior Removals	\$6,373	\$6,373	
2 Relocate LAN Communications	\$20,000	\$26,373	
3 Remove/ Cap Utilities	\$25,000	\$51,373	
4 Remove fume hoods	\$29,500	\$80,873	
5 Remove/Dismantle Vault	\$12,745	\$93,618	
6 Building Demolition	\$591,377	\$684,995	
7 Stripout Activities	\$440,679	\$1,125,674	
8 IHSS Characterization	\$260,866	\$1,386,540	
9 IHSS Remediation	\$289,133	\$1,675,673	
10 Asbestos Cost Estimate Increase	\$508,000	\$2,183,673	
11 RMRS Support Services	\$860,070	\$3,043,743	
12 Building Decontamination	\$163,139	\$3,206,882	
13 Waste Packaging	\$45,118	\$3,252,000	
14 B112 Move/ Alterations	\$150,000	\$3,402,000	
Total	\$3,402,000	\$3,402,000	

Table 2-1 Building 123 Decommissioning Project Budget Estimate

Table 2-2 Building 123 Anticipated Expenditures

	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97
Mon Tot Dirs	34,585	85,265	115,595	237,021	274,361	204,865
Cum Tot Dirs	34,585	119,850	235,445	472,466	746,827	951,691
	Oct-97	Nov-97	Dec-97	Jan-98		
Mon Tot Dirs	188,150	552,660	921,924	338,495		
Cum Tot Dirs	1,139,841	1,692,501	2,614,415	2,952,920		

abatement, the dismantlement and decommissioning of the buildings, and the remediation of site soil. The scope of the demolition includes the complete removal of all internal piping, ventilation, and above-slab process waste systems. The buildings are to be decommissioned and materials removed down to the base slab.

If sampling underneath the slab shows that there is contamination present, the Building 123 slab and foundation will be removed as required to remediate the contamination. Existing records and documentation will be consulted to determine the specific location of possible contaminated areas. A sampling and analysis plan will be developed for the potentially-contaminated areas around the building, core samples to be taken from underneath the building slab and from areas around Sections P1, P2, and P3 of the process waste lines (RCRA Unit 40). Sampling locations will take in to account the existing data from earlier sampling efforts. All demolition and remediation waste is to be disposed offsite.

The scope of work has been divided into six areas. They are, (1) Planning and Engineering tasks, (2) Characterization, (3) Procurement, (4) Site Preparation, (5) Building Demolition, and (6) IHSS Remediation. Prior to the asbestos abatement work, the building occupants and furnishings will be relocated.

3.1 Planning and Engineering Tasks

Decommissioning of the buildings will proceed under the guidance of the Rocky Flats Cleanup Agreement (RFCA), which provides a general outline for building disposition. Unless otherwise directed by the Colorado Department of Public Health and the Environment (CDPHE), the CERCLA regulatory path will be followed for this action. Regulatory activities are included with the Planning and Engineering Tasks. This phase also includes preparation of the cost and schedule, and the development of the Integrated Work Control Program (IWCP).

A project team has been assembled. A letter of notification has been sent to the CDPHE, informing them of how we intend to proceed with this work. This notification and the project was discussed in a meeting with DOE, CDPHE and EPA on April 2, 1997. A draft Proposed Action Memorandum (PAM), has been prepared and was forwarded to DOE and CDPHE on April 22, 1997, for informal comment. DOE and CDPHE comments have

been incorporated. The document was resubmitted to DOE on May 23, 1997. This revised document is to be submitted to CDPHE for comment by the agency and the public.

The PAM describes the decommissioning of the buildings that will follow at the completion of the site preparation activities. The PAM includes building decommissioning and remediation activities associated with the Building 123 process waste line and potentially-contaminated soil. At this time, active remediation of soil is not anticipated, but sampling and characterization will be done to ensure that is the proper course of action. Other regulatory activities include the development of a NEPA checklist, GSA and HUD notifications, National Historic Preservation Act notifications, establishment of the CERCLA administrative record, and notification of asbestos abatement.

Specific planning documents to be prepared include, a Reconnaissance Characterization Report, a Health and Safety Plan, a Waste Management Plan, an IHSS Sampling and Analysis Plan and IWCPs (asbestos abatement, dismantlement, de-energize utilities, decommissioning and IHSS remediation). Building drawings will be located and reviewed. A building walk down has been done to provide information for planning the demolition activities. Design and work implementation instructions will then be developed.

3.2 Characterization

Characterization tasks include the identification and documentation of the radioactive, chemical, and other hazards that exist in the buildings. A reconnaissance walk down has been conducted and a report will be issued to provide guidance for the asbestos, radioactive, and chemical characterization reports that will be prepared. Any prior documentation that can be located will be factored into the characterization activities. When needed, sampling will be conducted, including samples of insulation and building materials for asbestos, sampling of process pipelines, and other materials such as paint, sludge, or other surface materials. Hazardous chemicals or unattached materials should have been previously removed as part of the plant's excess chemical program. Waste management activities and minimization requirements will be developed and incorporated in the IWCP. An approximate volume for each waste type will be developed and provided to the waste management organization.

A Reconnaissance Characterization Survey Report will be prepared which summarizes and documents existing characterization data and which reports the results of characterization surveys conducted specifically for this project.

3.3 Procurement

The Procurement activities include preparing a bid package for an asbestos abatement contractor, and another for a demolition subcontract. Preparation of the procurement packages will include preparing the scope of work, issuing the Request for Proposal (RFP), a site tour and walk down of the building, evaluation of the bids, and the award of contracts.

3.4 Site Preparation

Site preparation consists of all of the activities required to prepare the building for safe entrance and demolition work. This includes using the characterization data and reports to design a certified asbestos removal plan, and any recommended radiological or chemical

decontamination tasks Kaiser-Hill will arrange for the relocation of the building tenants Building furniture, and unattached, non-contaminated equipment that are not being taken by the tenants will be removed as part of this project After completing the chemical and hazardous materials characterization, process equipment such as hoods will be detached, if necessary, and removed from the building If non-contaminated and salvageable, the equipment will be made available for reuse

3.5 Building Demolition

The scope of building demolition includes removal of all piping, ventilation and above-slab waste systems The building superstructure will be removed down to the slab using shears, excavators and loaders Use of heavy equipment will minimize worker exposures to hazards associated with demolition Fugitive airborne emissions will be minimized using water sprays

3.6 IHSS Remediation

There are two IHSSs that are related to Building 123 IHSS 148 consists of soil beneath and around the perimeter of the building that may have become contaminated through unspecified spills during the early days of building operation Soil sampling will be conducted around the building to determine whether soil removal will be required If not, the characterization results will be documented and "No Further Action" will be documented in the project closure report It is not anticipated that IHSS 148 will require active remediation

IHSS 121 consists of the process waste lines at the RFETS The original process waste lines beneath the building are part of IHSS 121 Soil borings will be taken adjacent to the process waste line to determine whether the soil has become contaminated through inadvertent leaks Should contaminant concentrations in the soil be below acceptable cleanup criteria, the pipeline will be filled with foam and left in place If subsurface soil removal along the pipeline is required, the pipeline and the soil will be removed and disposed off site

4.0 Project Justification

Decommissioning and demolition of Building 123 is within the scope of the Ten Year Plan for the Industrial Area of the RFETS Removal of the structure to the slab will allow access to and remediation of the process waste pipeline and contaminated soil beneath the building Removal of this building will also provide excellent data for the demolition of future buildings of this type

5.0 Assumptions and Basis of Estimate

- 1 Project planning and building preparation activities (including ACM removal) occur in FY97 Building decommissioning will begin in FY97 if funding is available
- 2 Building occupants will be relocated, and chemicals, furniture and equipment removed before decommissioning activities begin Relocation of tenants, furniture, chemicals and equipment will be coordinated by the project
- 3 Very little radiological or chemical contamination will exist within the building once the mission equipment has been removed
- 4 Minimal hazardous, radiological or mixed waste will be generated by this action

- 5 Radioactive and hazardous demolition debris will be packaged and turned over to Waste Management for disposition
- 6 The demolition subcontractor will be responsible for loading, transporting, and disposing of non-radioactive debris
- 7 Remediation of RCRA Unit 40 (part of IHSS 121) includes only those portions associated with Building 123 This includes the lines running under the slab and lines in back of the building (sections P1, P2, and P3)
- 8 Remediation of IHSS 148 will consist primarily of taking samples and applying for "No further Action" (NFA) approval from the Colorado Department of Public Health and Environment
- 9 Building rubble will be disposed in an offsite, commercial sanitary or demolition landfill

6.0 Relationship to Other Projects

There are no currently-defined projects that would impact this project

7.0 Key Personnel and Responsibilities

The project will be managed and conducted by the project personnel indicated in Table 7-1 The organizational breakdown structure is shown in Figure 7-1

Table 7-1 Key Project Personnel Matrix

Position	Name	Phone #	Responsibilities
K-H User	Kent Dorr	6034	Project owner, sponsor and champion Serves as primary point of contact with DOE and regulatory agencies Serves as Project Manager for the project when has not been assigned
DOE User	Bill Fitch	4013	DOE owner, sponsor and champion Primary point of contact with K-H project team and focal point for project advocacy, justification, validation, etc Owns need or requirement for the project
Project Manager	Doug Steffen	2164	Has overall, first-line responsibility for the successful execution of the project Takes the lead in defining those activities necessary for the project, and coordinates and facilitates their successful execution by others Serves as the project interface and integrator with the K-H and DOE Users, Program Management and project team Is totally knowledgeable and up-to-date on the project scope, schedule and budget Controls the approved project funds and charge numbers, and provides authorization concerning who can charge and when to charge Anticipates and identifies problems early-on and ensures that corrective measures are initiated to address the situation
Project Engineer	Bob Campbell	9616	Has lead responsibility for the technical scope and engineering support activities associated with the project Reviews user needs for the project, translates them into appropriate engineering criteria and technical

			requirements, and coordinates or performs the engineering effort necessary to complete the project Reports to the Project Manager
Demolition Manager	Mike Nelson	7647	Has lead responsibility for demolition-related activities associated with the project Involvement begins early in the project and continues through completion of demolition and demobilization Actively participates in the Title I and II Engineering reviews for potential field demolition concerns During demolition activities, acts as the primary interface between the field and engineering Reports demolition progress, anticipates demolition problem areas, and initiated corrective actions Reports to the Project Manager
Subcontract Administrator	Pat Timbes	8592	Confirms that the project schedule reflects Procurement's published time lines and that it includes appropriate procurement milestones Acts as single point of contact for all subcontractor procurement actions related to the subcontract Ensures that procurement procedures are followed and that adequate competition exists for procurements
IP&B Representative/Scheduler	Wayne Pietkiewicz	5616	Reports to the Project Manager on funding and budget-related matters Coordinates and verifies project controls data, information, reports, performance analysis, and coordinates the change control process for the project Develops and maintains the project baseline schedule with critical path from WBS activities and resource data Prepares reports such as logic diagrams, bar charts, precedence diagrams, etc As requested by the Project Manager Maintains all schedule development documentation
Cost Estimator	Linda Wolfe	4553	Prepares project cost estimates from the WBS, resources information, project schedules, historical and commercial information, etc Develops increasingly precise and accurate estimates as the project becomes better defined Provides project contingency fund levels from statistical probabilities or historical data Assists with data and justification information during the project Validation Review
Radiation Protection Officer	John Miller	8076	Ensures that an effective radiation protection program is implemented as required by the RFETS Radiological Control Manual Coordinates activities of the Radiological Engineers and Technicians, ensuring adequate preparation and review of radiation work permits Coordinates the completion of building surveys and characterizations Maintains and verifies the quality of all radiological data, and coordinates the project completion surveys
Health & Safety Officer	Tonya Sangaline	5392	Prepares Project Health and Safety Plan and reviews all subcontractor H&S Plans Monitors and reviews all

			safety criteria for the project to ensure activities are completed safely and within the correct authorization basis. Ensures that OSHA requirements are factored into project work packages. Maintains a direct reporting relationship to RMRS Health & Safety Manager, ensuring that Project activities are compliant with applicable health and safety regulations.
Characterization Lead	Mary Aycok	5309	Leads effort to identify and characterize all potential material hazards in the building. Prepares Reconnaissance Walkdown report and final Characterization Report. Interfaces with Compliance Officer to ensure that all regulatory drivers are met, and that waste management activities comply with all regulations.
Environmental Compliance Officer	Gary Guinn	8043	Prepares the Proposed Action Memorandum (PAM), and coordinates all interchange with federal and state regulators. Ensures that the project activities are conducted in compliance with applicable environmental and regulatory requirements as identified in RFCA. Reviews IWCPs and other project documents as necessary to ensure the work is completed within existing permit requirements. Tracks regulatory commitments and coordinates their completion.
Quality Assurance Officer	David Warfield	4187	Performs assessments and surveillance of project activities. Ensures that quality assurance requirements for all procurement, operations, and environmental tasks are completed within the applicable governing QA documents. Initiates discrepancy reports, non-conformance reports, corrective action requests, and reviews worker training records to ensure workers are appropriately trained.

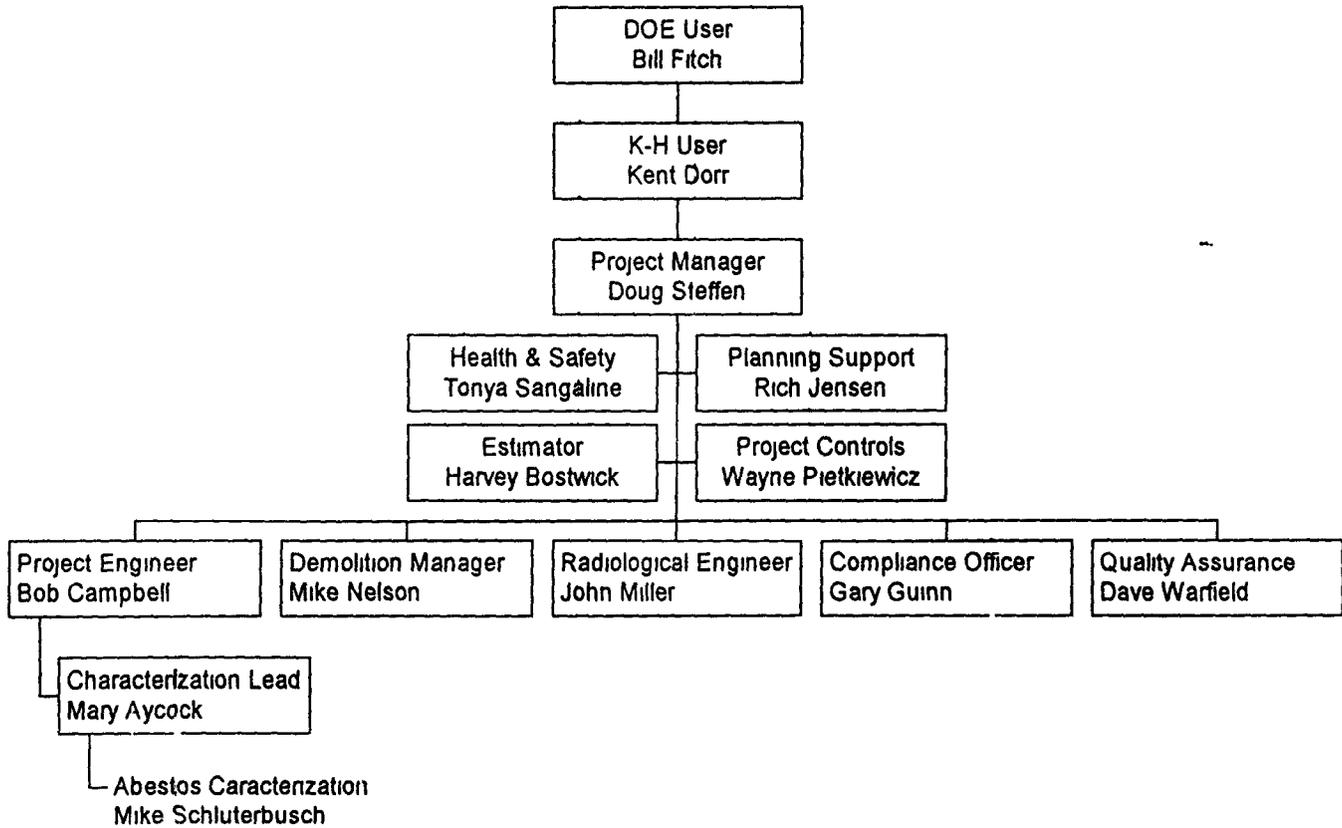


Figure 7-1 Building 123 D&D Organizational Breakdown Structure

8.0 Project Execution Summary

8.1 Method of Performance

The project will be managed and conducted by the project personnel shown in the organizational breakdown structure given in Section 7.0 of this document. Characterization personnel are employees of SEG, Inc., providing planning and characterization activities for the project. Project activities are initiated by gathering all physical data pertaining to historical operations, possible contamination, and building features such as utilities and ventilation systems. A walk down of the building is conducted to visually inspect the premises and to gather information from knowledgeable building occupants. Further characterization activities will be based on the analysis of the walk down information.

RMRS Engineering will perform the design activities necessary to support asbestos abatement and demolition, including preparation of the Request for Proposal documents. The asbestos abatement subcontract will be administered through RMRS procurement. Building occupants and their necessary furniture, equipment, files and analytical chemicals will be relocated in time for scheduled building decontamination and asbestos abatement. Furniture and equipment that is not moving with the building occupants will be removed as part of the project.

Building demolition will be a subcontracted activity. The demolition subcontract will be administered through K-H Procurement. K-H will matrix RMRS project management personnel to manage the field demolition activities.

Regulatory compliance activities will consist primarily of 1) preparation of a NEPA checklist, 2) project scoping with CDPHE to define regulatory compliance requirements, 3) preparation of a PAM to cover decommissioning activities, including building decontamination and demolition, and remediation of buried waste lines and underlying soils, and 4) preparation of a RCRA Interim Status Closure Plan for Unit 40. An Air Pollution Emissions Notice will not be required for the project. Per State of Colorado requirements, the asbestos abatement subcontractor will provide notice of asbestos abatement to the Division of Air Quality at least 10 days prior to the start of abatement.

8.2 Work Breakdown Structure

See Figure 8.2 for the Work Breakdown Structure (WBS) for this project.

- 1 1 5 02 4 03 01 - Planning & Engineering
- 02 - Characterization
- 03 - Site Preparation (Asbestos Abatement)
- 04 - Decontamination
- 05 - Dismantlement
- 06 - Demolition
- 07 - Project Operation Management
- 08 - Support Services

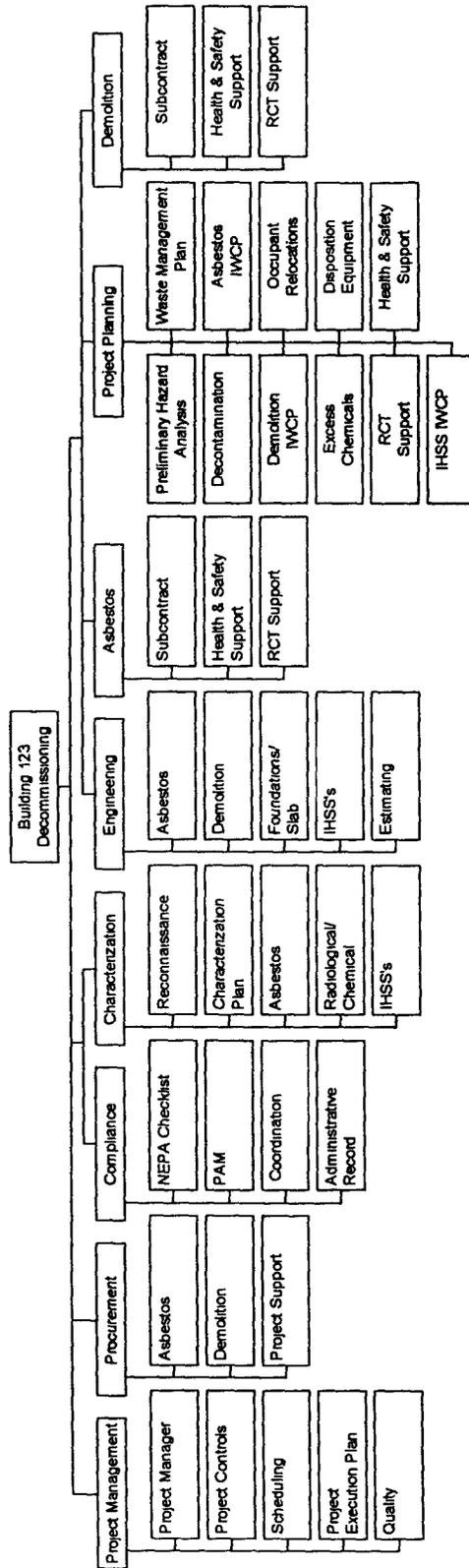


Figure 8-2 Building 123 Decommissioning Work Breakdown Structure

8.3 Risk Management

Building 123 is not a nuclear facility and does not have a separate Safety Analysis Report (SAR) It is covered under the draft Site SAR

8.4 Quality Assurance

8.4.1 Introduction

The RMRS Quality Assurance Program Description (QAPD), RMRS-QAPD-001 contains the controls and procedures that determine the levels of quality which must be maintained Those levels will be determined and implemented to monitor quality aspects of the project activities The QAPD describes roles, responsibilities, and methodologies for ensuring compliance with DOE Order 5700 6C (the Order), and 10 CFR 830 120 (Price-Anderson Amendments Act, also known as the Rule) Since the Order and the Rule include the same criteria, RMRS incorporates the requirements into a single QAPD The QAPD is a controlled document

8.4.2 Purpose and Scope

The RMRS QAPD defines the strategy and controls currently used, or to be developed and implemented by RMRS, to consistently deliver products and services that meet the requirements of customers and stakeholders Currently, RMRS is implementing the established Site controls, procedures and documents approved by the Integrating Management Contractor, Kaiser-Hill

The QAPD is relevant and applicable to the specific operations of RMRS and its subcontractors As such, it will control the D&D activities The document also applies to activities between RMRS and Kaiser-Hill, and between Kaiser-Hill other Kaiser-Hill subcontractors, and may have some applicability to this project Subcontractors to RMRS are required to submit a quality program which meets equivalent standards to the RMRS QAPD RMRS will ensure that the decommissioning subcontractor has appropriate QA/QC and safety programs in place before field work is initiated

8.4.3 Program Requirements

The QAPD identifies the QA requirements of the RMRS QA Program and defines them in the context of implementing programs and controls Specific programs and controls are also identified in the QAPD, such as floor level procedures, plans, and documents used to control all activities involved in the Building 123 Decommissioning Project The QAPD applies to all RMRS personnel

8.5 Davis-Bacon Evaluation

A Davis-Bacon evaluation has been completed for the project There are no prerequisites and the project has been assigned to Construction Maintenance work may be assigned to the manager of the cognizant maintenance department for further action

8.6 Safeguards and Security Plans

There are no safeguards and security issues associated with this project

8.7 Safety Documentation

There are no unreviewed safety matters or questions associated with this project at this date. Ongoing safety analysis for hazard identification and elimination will be conducted throughout the duration of the project.

8.8 Project Controls

Tracking of project schedule and cost variances will be done using the Site standard project control and data management system. Also, the Primavera schedule, which will be regularly updated to reflect the most current information, will be used to manage the project on a daily basis. A logic diagram will be prepared to help identify the project critical path and to ensure that activities are properly tied.

8.9 Final Survey

After the asbestos abatement is complete and before the building is demolished, a final radiation survey of the building structure will be conducted. The purpose of this survey will be to provide adequate data to demonstrate that the building rubble can be released offsite to a commercial landfill. DOE will be notified prior to commencement of demolition and will be given the opportunity to conduct an independent survey.

9.0 Schedule and Milestones

9.1 Project Schedule

The level 1 project schedule is shown in Figure 9-1. The Level 4 working schedule is provided in Figure 9-2.

9.2 Project Milestones

Major project milestones are

- Deliver draft PAM to DOE April 22, 1997
- Complete PAM process August 25, 1997
- Complete asbestos abatement November 24, 1997
- Award demolition contract October 10, 1997
- Complete building demolition February 10, 1998
- Complete IHSS remediation April 29, 1998
- Project close out May 20, 1998

APPENDIX A

**Building 123 Decommissioning
Budget Change Proposals
(BCPs)**

Post-It Fax Note 7671

Date	# of pages
To: Beth Anne S.	From: Bill H.
Co./Dept: 5744/6575	Co.
Phone # 3201	Phone #

3081

97-1497

Process as: Routine: Priority:

1. BCP Title: Initiate Decommissioning of Building 123
- | | | | | | |
|------------------|---------------------------------|----------|---------------------|------|---------------|
| K-H Ops VP / Mgr | <u>Mr. Peter M. D'Amico</u> | Ext/Bldg | <u>x4163, B111</u> | Date | <u>3-6-97</u> |
| K-H P&I Analyst | <u>B.H. Stinson (W.W. Hall)</u> | Ext/Bldg | <u>x9841, T1300</u> | Date | <u>3-6-97</u> |
| K-H CCC Coord | <u>H.L. Giese</u> | Ext/Bldg | <u>x2608, T130J</u> | Date | <u>2-6-97</u> |
| K-H P&I Director | <u>W.P. Harroun</u> | Ext/Bldg | <u>x9783, B111</u> | Date | <u>2/6/97</u> |

2. Contract Modification Required: Yes: No: Required for CRP: Yes: No:

3. Baseline Documents Changed:

WAD ID	Revision Number	WAD Title	WAD Mgr Name/Init	ADS Number
25		Industrial Zone Closure Pro...	J.R. Marshall	AD68FD116

4. Baseline Cost Plan Change(s). (\$=000)

WAD ID	WBS Element	Rev 0 Baseline	Current Baseline	BCP Change	Proposed Baseline	B&R Code
25	11050204	\$0	\$0	\$500	\$500	EW05
25	Total		18,844*	\$500	18,844*	
MANAGEMENT RESERVE (Special Closure Project Funding)				(\$500)		

* Baseline values do not reflect other BCPs pending March approval for WAD 25

5. Areas of Change: Cost Baseline Scope Schedule Regulatory/RFFO Milestone Affected? Yes

Description of Change (Specifically, what was Added, Modified, and/or Deleted? Provide separate description for changes to technical scope, schedule/milestone, and cost baseline)

Add scope, cost baseline, and schedule for the initiation of the Decommissioning of building 123. Activities include (1) Characterization, (2) Planning & Engineering, and (3) Asbestos Abatement. See attached BOE work funded by this BCP is on hold until written DOE approval is provided. Add RFFO Milestone: "Award O&D Subcontract for B123 by 9/30/97" to 1.1.02.02.04. (Milestone resumes release of funding by 4/21/97)

6. Justification for Change (How does this change specifically contribute to furthering accomplishment of Site goals and mission?)

Characterization, Planning, Engineering, and Asbestos Abatement must all be performed prior to issuance of a Bid Package for D&D of Building 123.

7. Impact of Change: (a. State impacts on site mission (work scope), schedule, cost effectiveness, or performance measure(s) b. State problems if not approved)

If not, the Characterization, Planning, Engineering, and Asbestos Abatement are not initiated, the Bid package cannot be issued

8. [Signature] for R. Tillar 3/6/97 [Signature] 3/21/97

IMC CCB Chair Signature Date Site CCB Chairperson Signature Date

CCB Comments.

KAISER HILL, LLC

Process as Routine Priority Baseline Change Proposal (BCP) BCP No 97-1707 BCP Type (I, II) II

1 BCP Title B123 FY97 Scope Addition
 K-H OPs V P / Mgr M Brailsford/Parker *AM Beck DW* Ext/Bldg 3221 Date
 K-H P&I Analyst W Huffman *EP Telman WWH* Ext/Bldg 6610 Date 4-25-97
 K-H CCC Coord H L Gloe *H L Gloe* Ext/Bldg 2608/130J Date 6-25-97
 K-H P&I Director/CFO W P Harroun *W P Harroun* Ext/Bldg 9873/111 Date 6/16/97

2 Contract Modification Required Yes No Required for CRP Yes No

3 Baseline Documents Changed

WAD ID	Revision Number	WAD Title	WAD Mgr Name/Init	ADS Number
25		Decommissioning B123	J R Marshall <i>JW</i>	CP1000

4 Baseline Cost Plan Change(s) (\$=000)

WAD ID	WBS Element	Rev 0 Baseline	Current Baseline	BCP Change	Proposed Baseline	B&R Code
25	1 1 05 02 04		502	450	952	EW054000
Total WAD 25		10 041	22,671*	450	23,121	
EW05- Management Reserve - Special Project Closure Fund				-450		<u>EW05</u>

* Does not reflect other pending BCPs

For Sections 5, 6 and 7: If more space is required to adequately describe the change, provide justification or explain the impact; provide a short synopsis below and then provide all the details on continuation page(s).

5 Areas of Change Cost Baseline Scope Schedule Regulatory/RFFO Milestone Affected? Yes
 Description of Change (Specifically, what was Added, Modified, and/or Deleted? Provide separate description for changes to technical scope, schedule/milestone, and cost baseline.)
 Cost Increases: The cost baseline is affected due to definitive asbestos characterization, a finalized asbestos report, and a complete statement of work (SOW). Asbestos quantities and locations have been accurately identified, leading to abatement cost increases over preliminary cost estimates. Other asbestos abatement cost increases, such as phasing and schedule considerations, have also been included with the definitive asbestos cost estimate.

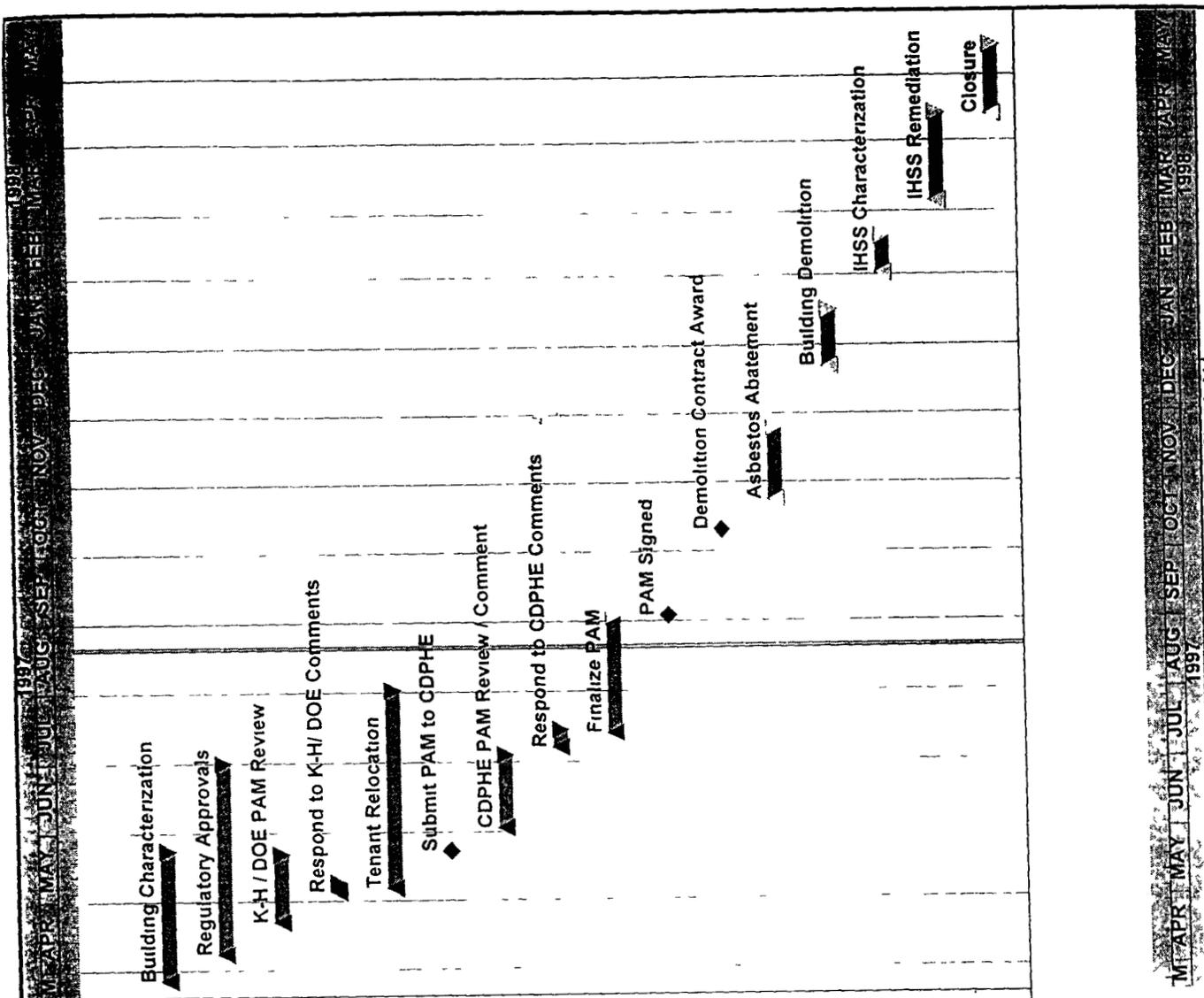
6 Justification for Change (How does this change specifically contribute to furthering accomplishment of Site goals and mission?)
 This change specifically contributes to accomplishing Site goals by completing the removal of asbestos-containing materials from B123. A new asbestos abatement estimate has been developed according to the most current asbestos survey (April 1997). The survey and estimate reflect increased definition and increased abatement costs.

7 Impact of Change (a) State impacts on site mission (work scope), schedule, cost effectiveness, or performance measure(s); (b) State problems if not approved.
 This change allows the initial building characterization and Site prep (asbestos abatement) to be adequately funded through the end of FY97. If not approved, the asbestos work scope will need to be deferred until FY98.

8 *[Signature]* 6/30/97
 IMC CCB Chair Signature Date Site CCB Chairperson Signature Date
 CCB Comments

APPENDIX B

Building 123 D&D Level 1 Project Schedule



Activity Description	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
Life Cycle Activities					
Building Characterization	38*	27MAR97	23MAY97	27MAR97	23MAY97
Regulatory Approvals	53*	08APR97A	30JUN97A	08APR97	30JUN97
K-H / DOE PAM Review	25	22APR97A	21MAY97	22APR97	21MAY97
Respond to K-H / DOE Comments	4	05MAY97A	08MAY97	05MAY97	08MAY97
Tenant Relocation	56*	07MAY97A	01AUG97	07MAY97	01AUG97
Submit PAM to CDPHE	0		22MAY97		22MAY97
CDPHE PAM Review / Comment	19	02JUN97A	03JUL97A	02JUN97	03JUL97
Respond to CDPHE Comments	32	07JUL97A	14JUL97A	07JUL97	14JUL97
Finalize PAM	32	14JUL97A	02SEP97	14JUL97	
PAM Signed	0		02SEP97		
Demolition Contract Award	0		10OCT97		
Asbestos Abatement	19	24OCT97*	24NOV97		
Building Demolition	16	22DEC97	15JAN98		
IHSS Characterization	12	02FEB98*	17FEB98		
IHSS Remediation	27*	06MAR98*	13APR98		
Closure	23	13APR98*	13MAY98		

MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY 1997

MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY 1998

Sheet 1 of 1

RMRS
Building 123 D&D
Life Cycle Schedule

RMRS
Building 123 D&D
Life Cycle Schedule

Project Start: 20MAR97
Project Finish: 26JAN98
Date Date: 21AUG97
Run Date: 21AUG97

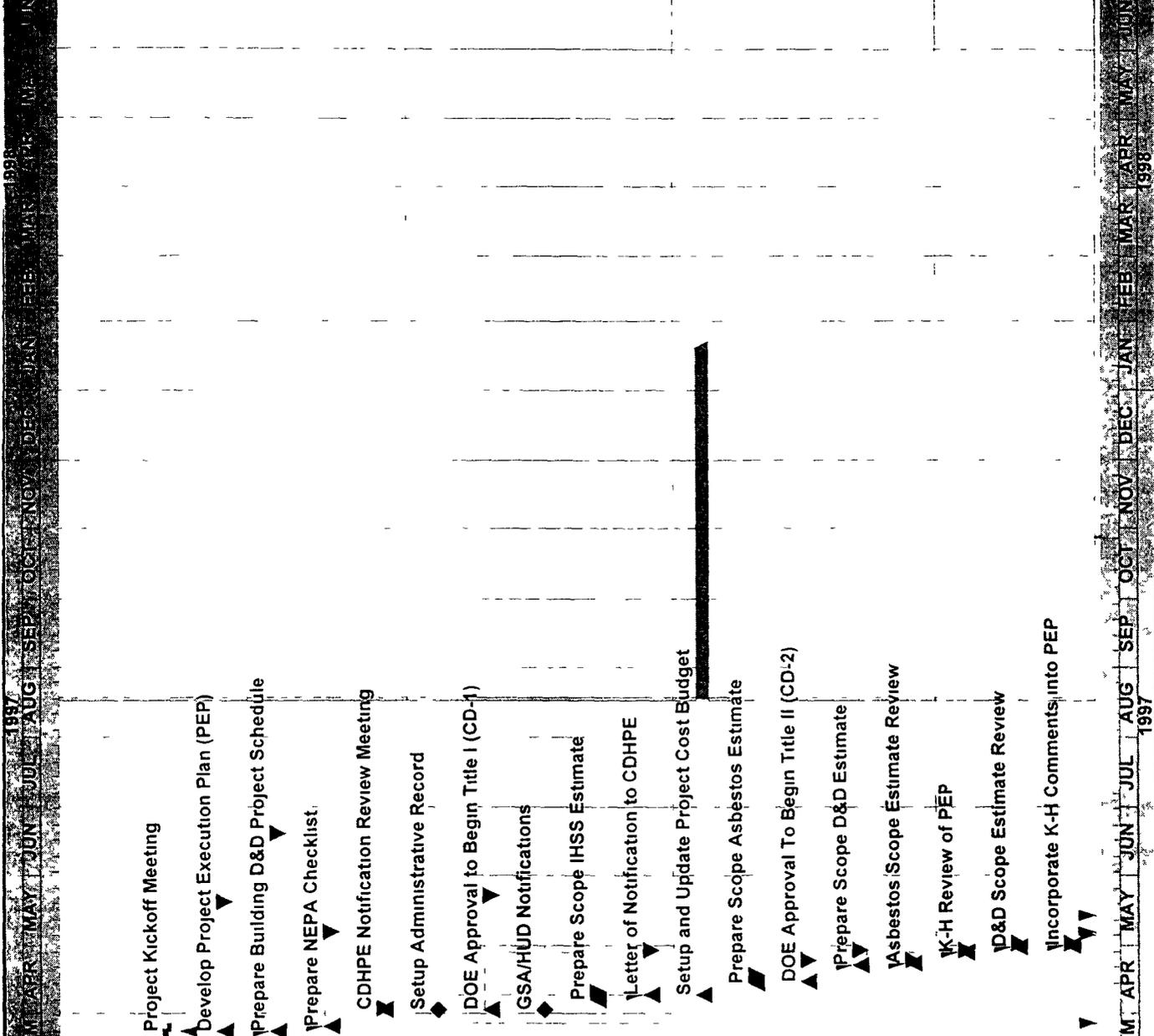
LIFE

Early Bar
Progress Bar
Critical Activity

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APPENDIX C

Building 123 D&D Level 4 Working Schedule

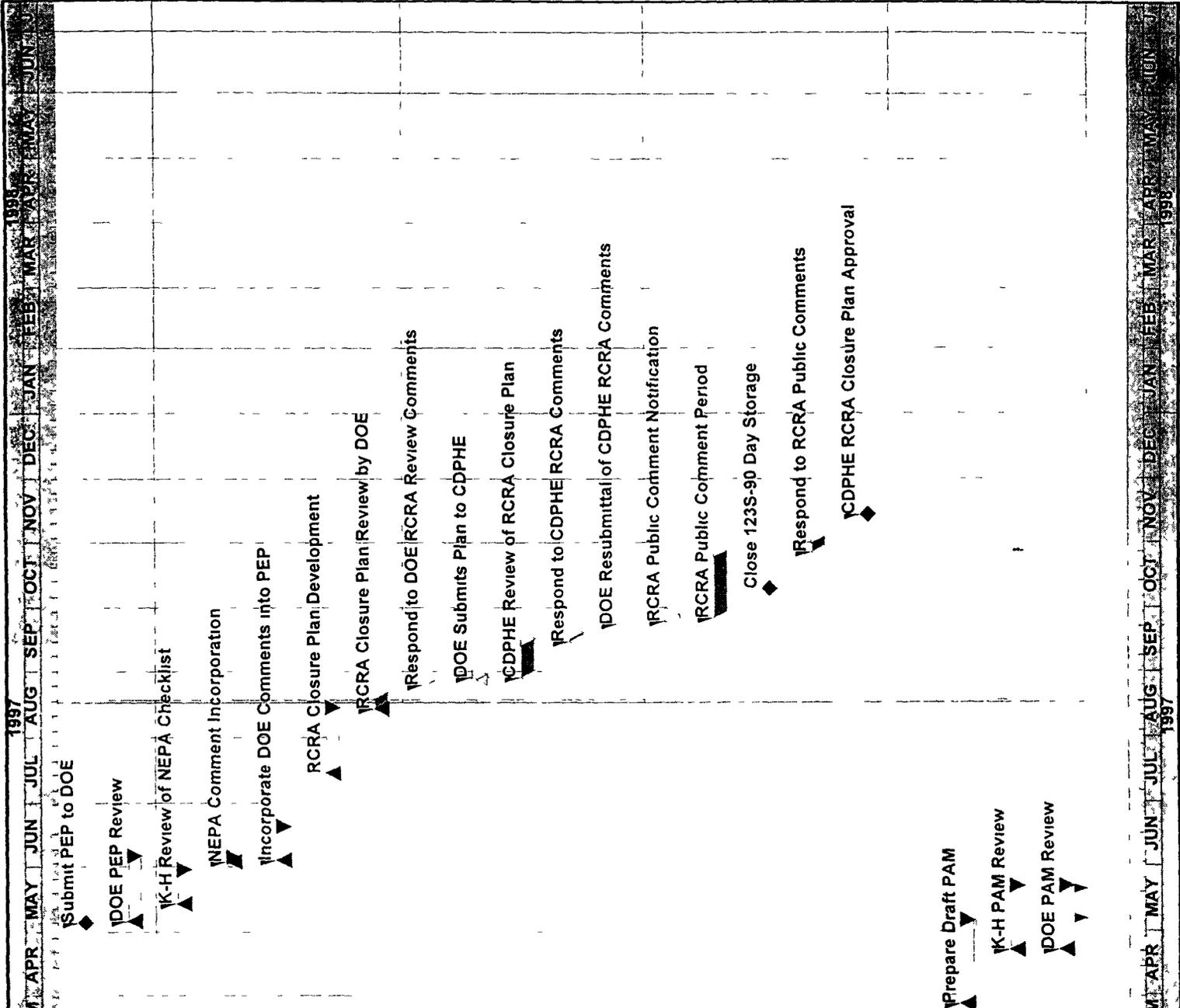


Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04100000	0	24MAR97A	24MAR97		
FB04100005	7	24MAR97A	19MAY97A	24MAR97	19MAY97
FB04100460	50	24MAR97A	18JUN97A	24MAR97	18JUN97
FB04100040	34	26MAR97A	06MAY97A	26MAR97	06MAY97
FB04100020	1	02APR97A	02APR97A	02APR97	02APR97
FB04100025	0		01APR97A		01APR97
FB04100035	24	02APR97A	22MAY97A	02APR97	22MAY97
FB04100182	0	02APR97A		02APR97	
FB04100560	3	07APR97A	09APR97A	07APR97	09APR97
FB04100030	13	09APR97A	28APR97A	09APR97	28APR97
FB04100480	167	09APR97A	22JAN98	09APR97	
FB04100450	5	14APR97A	17APR97A	14APR97	17APR97
FB04100017	5	15APR97A	23APR97A	15APR97	23APR97
FB04100550	17	22APR97A	28APR97A	22APR97	28APR97
FB04100470	1	23APR97A	23APR97A	23APR97	23APR97
FB04100007	1	28APR97A	28APR97A	28APR97	28APR97
FB04100620	2	30APR97A	01MAY97A	30APR97	01MAY97
FB04100008	1	01MAY97A	01MAY97A	01MAY97	01MAY97

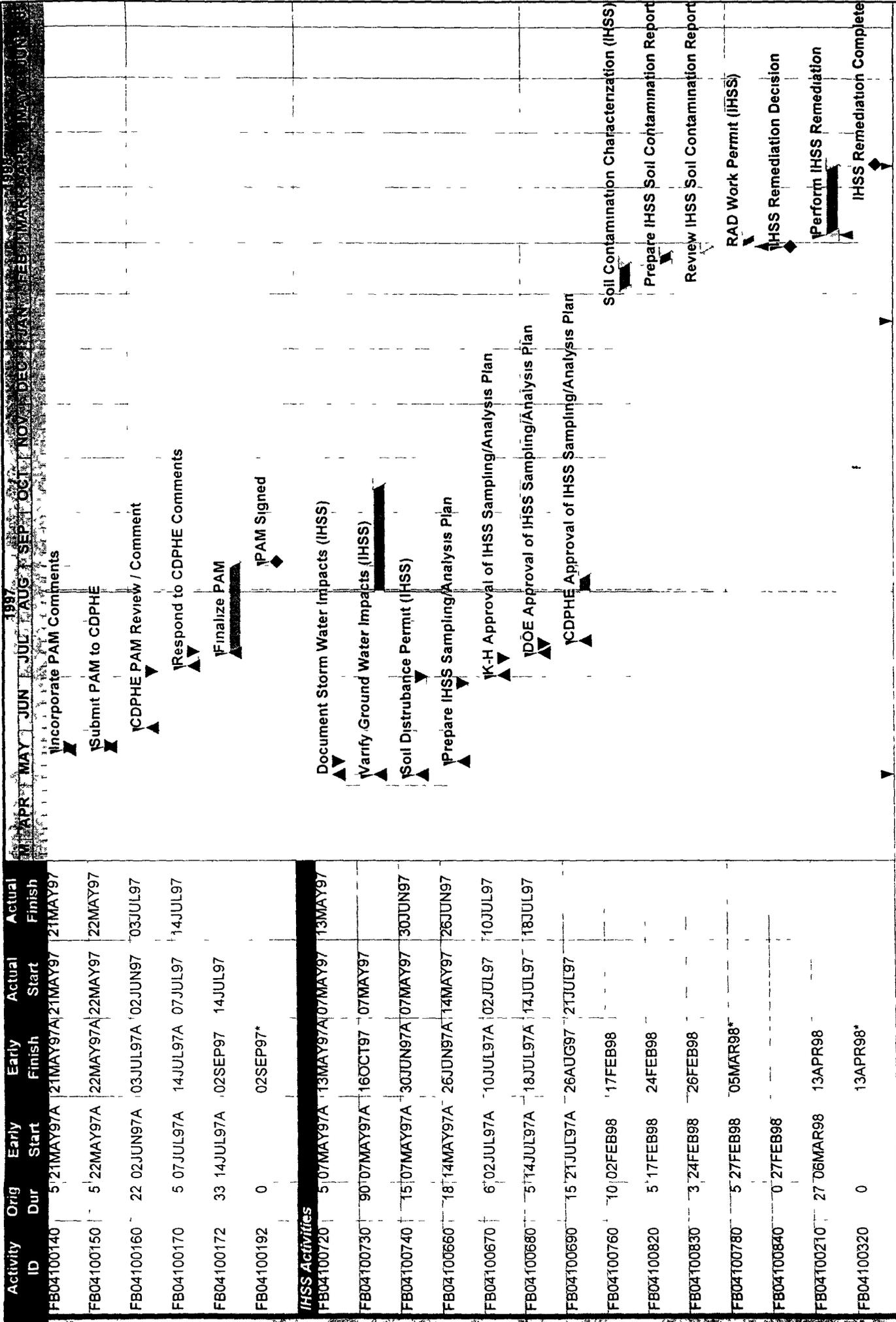
Project Start: 03APR97
 Project Finish: 01APR98
 Date Date: 18AUG97
 Run Date: 21AUG97

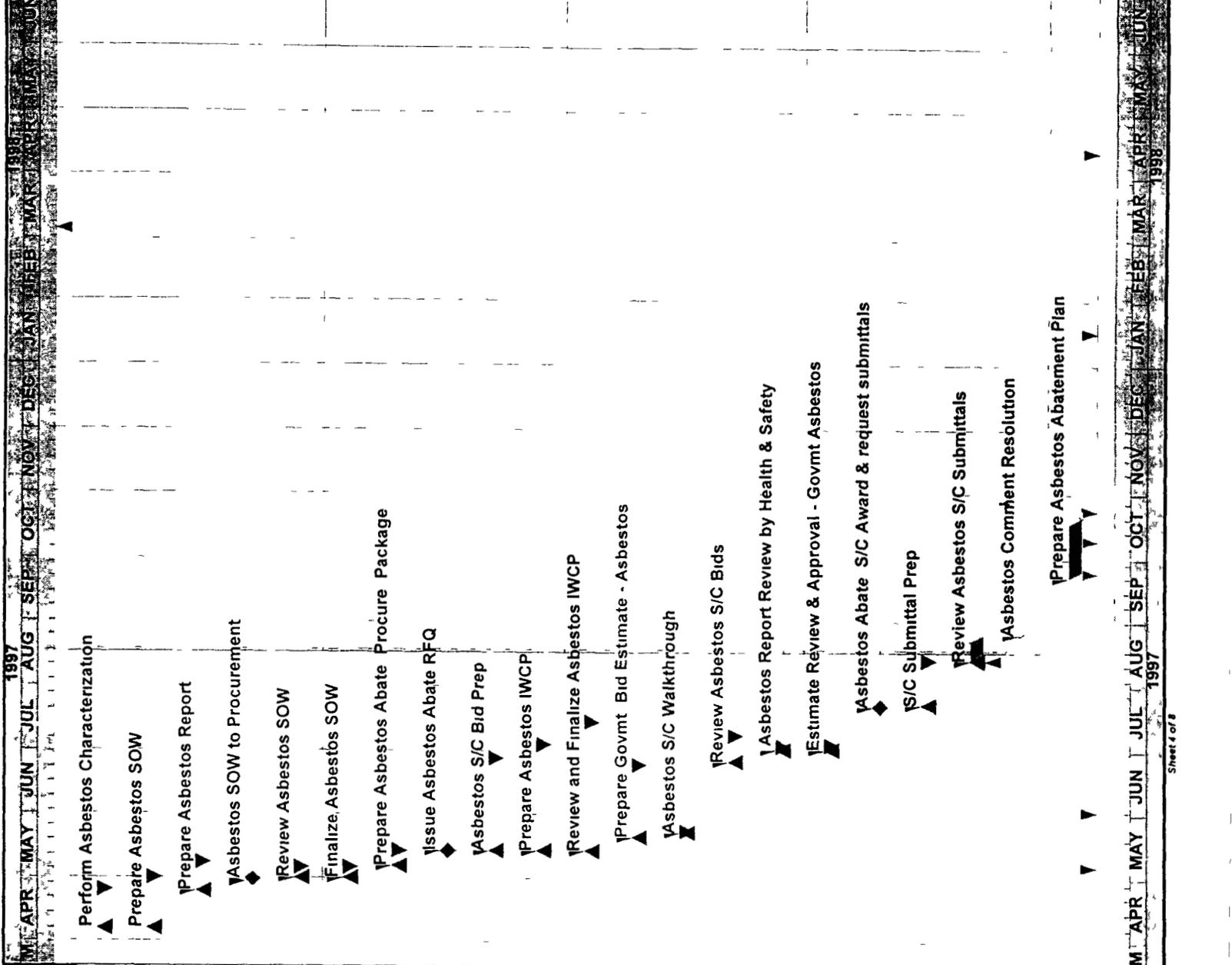
Legend:
 Early Bar: [Bar with arrow]
 Progress Bar: [Bar with arrow]
 Critical Activity: [Bar with arrow]

B123

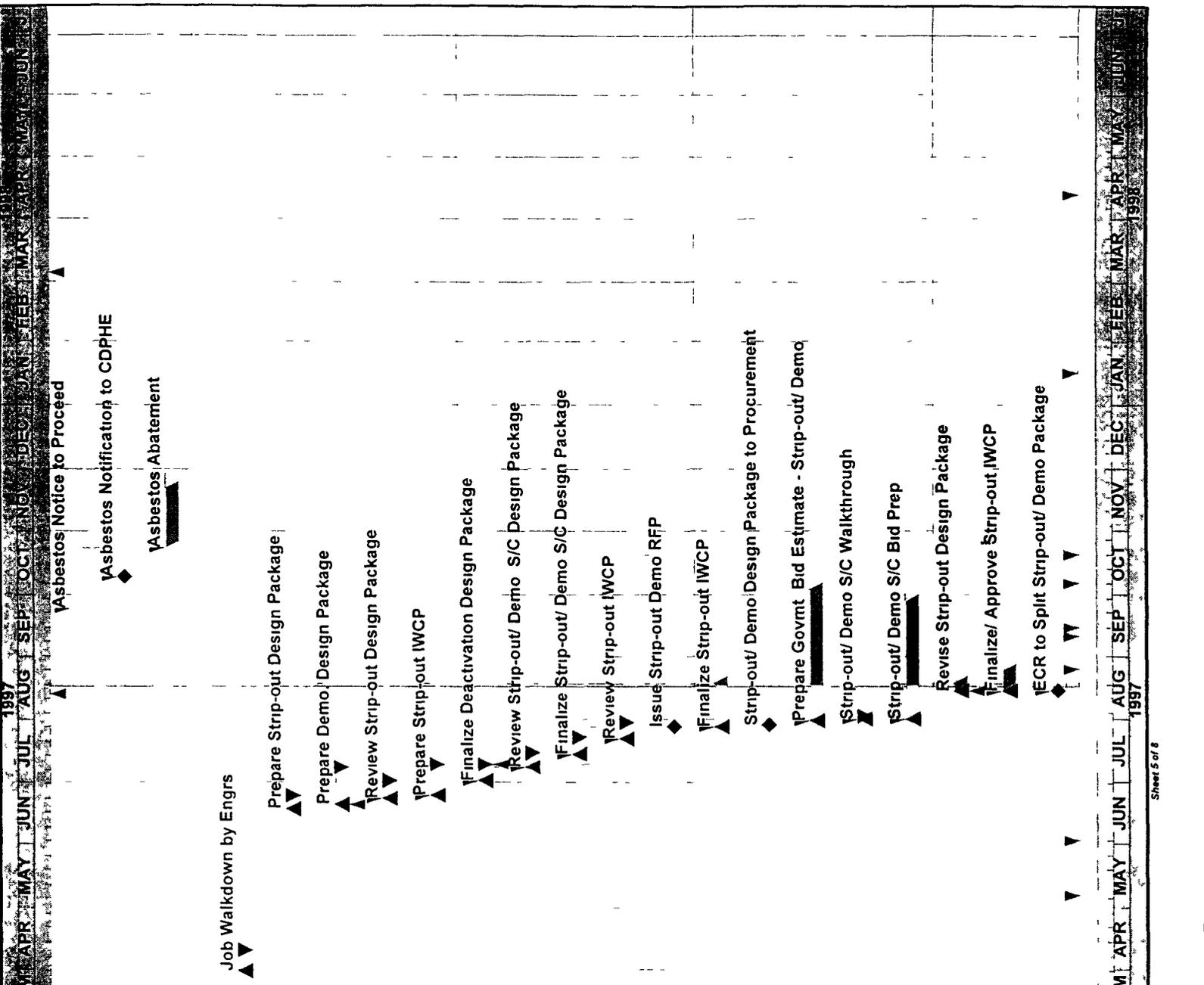


Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04100010	0	05MAY97A		05MAY97	
FB04100012	20	06MAY97A	05JUN97A	06MAY97	05JUN97
FB04100042	10	14MAY97A	29MAY97A	14MAY97	29MAY97
FB04100044	2	03JUN97A	04JUN97A	03JUN97	04JUN97
FB04100013	7	04JUN97A	19JUN97A	04JUN97	19JUN97
FB04100710	22	15JUL97A	14AUG97A	15JUL97	14AUG97
FB04100970	6	14AUG97A	21AUG97	14AUG97	
FB04101000	3	25AUG97	27AUG97		
FB04101010	1	29AUG97	29AUG97		
FB04101020	10	29AUG97	15SEP97		
FB04101030	4	15SEP97	18SEP97		
FB04101040	1	23SEP97	23SEP97		
FB04101050	3	24SEP97	26SEP97		
FB04101060	20	26SEP97	27OCT97		
FB04101070	0	10OCT97			
FB04101110	5	27OCT97	03NOV97		
FB04101120	0		13NOV97		
PLANNING & ENGINEERING					
PAM Activities					
FB04100110	25	27MAR97A	05MAY97A	27MAR97	05MAY97
FB04100120	19	22APR97A	21MAY97A	22APR97	21MAY97
FB04100130	14	22APR97A	21MAY97A	22APR97	21MAY97

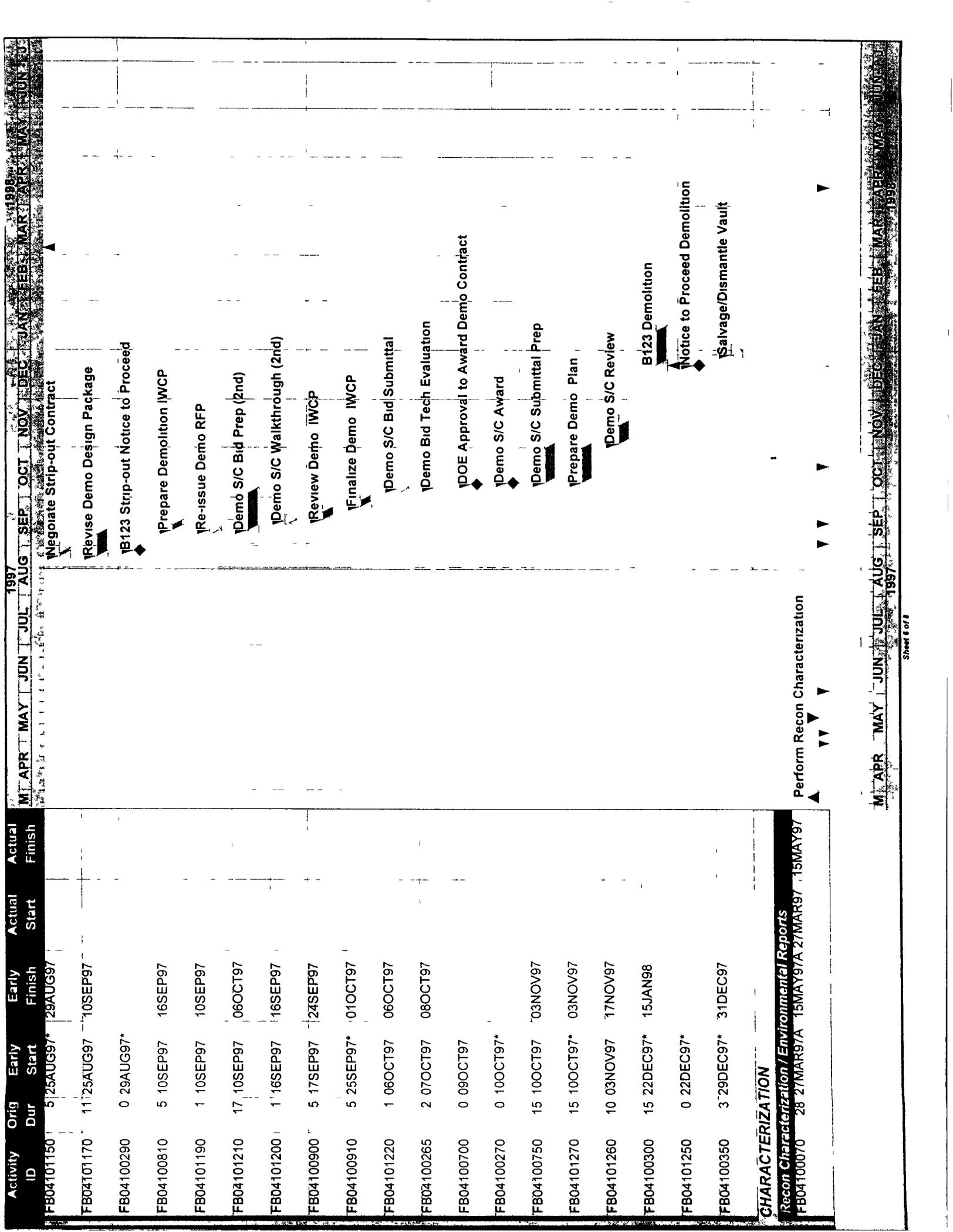




Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04100090	6	07APR97A	24APR97A	07APR97	24APR97
FB04100850	10	07APR97A	30APR97A	07APR97	30APR97
FB04100100	9	24APR97A	07MAY97A	24APR97	07MAY97
FB04100880	0	29APR97A	29APR97A	29APR97	29APR97
FB04100860	2	01MAY97A	05MAY97A	01MAY97	05MAY97
FB04100870	2	01MAY97A	05MAY97A	01MAY97	05MAY97
FB04100101	5	07MAY97A	13MAY97A	07MAY97	13MAY97
FB04100102	0	14MAY97A	14MAY97A	14MAY97	14MAY97
FB04100104	19	14MAY97A	26JUN97A	14MAY97	26JUN97
FB04100800	11	14MAY97A	03JUL97A	14MAY97	03JUL97
FB04100100	17	14MAY97A	14JUL97A	14MAY97	14JUL97
FB04100540	20	21MAY97A	23JUN97A	21MAY97	23JUN97
FB04100103	1	23MAY97A	23MAY97A	23MAY97	23MAY97
FB04100330	6	26JUN97A	07JUL97A	26JUN97	07JUL97
FB04100490	1	02JUL97A	02JUL97A	02JUL97	02JUL97
FB04100600	2	02JUL97A	03JUL97A	02JUL97	03JUL97
FB04100105	0	22JUL97A	22JUL97A	22JUL97	22JUL97
FB04100135	15	23JUL97A	12AUG97A	23JUL97	12AUG97
FB04100115	5	13AUG97A	25AUG97A	13AUG97	13AUG97
FB04100145	3	26AUG97	28AUG97	28AUG97	28AUG97
FB04100155	19	22SEP97	20OCT97	20OCT97	20OCT97

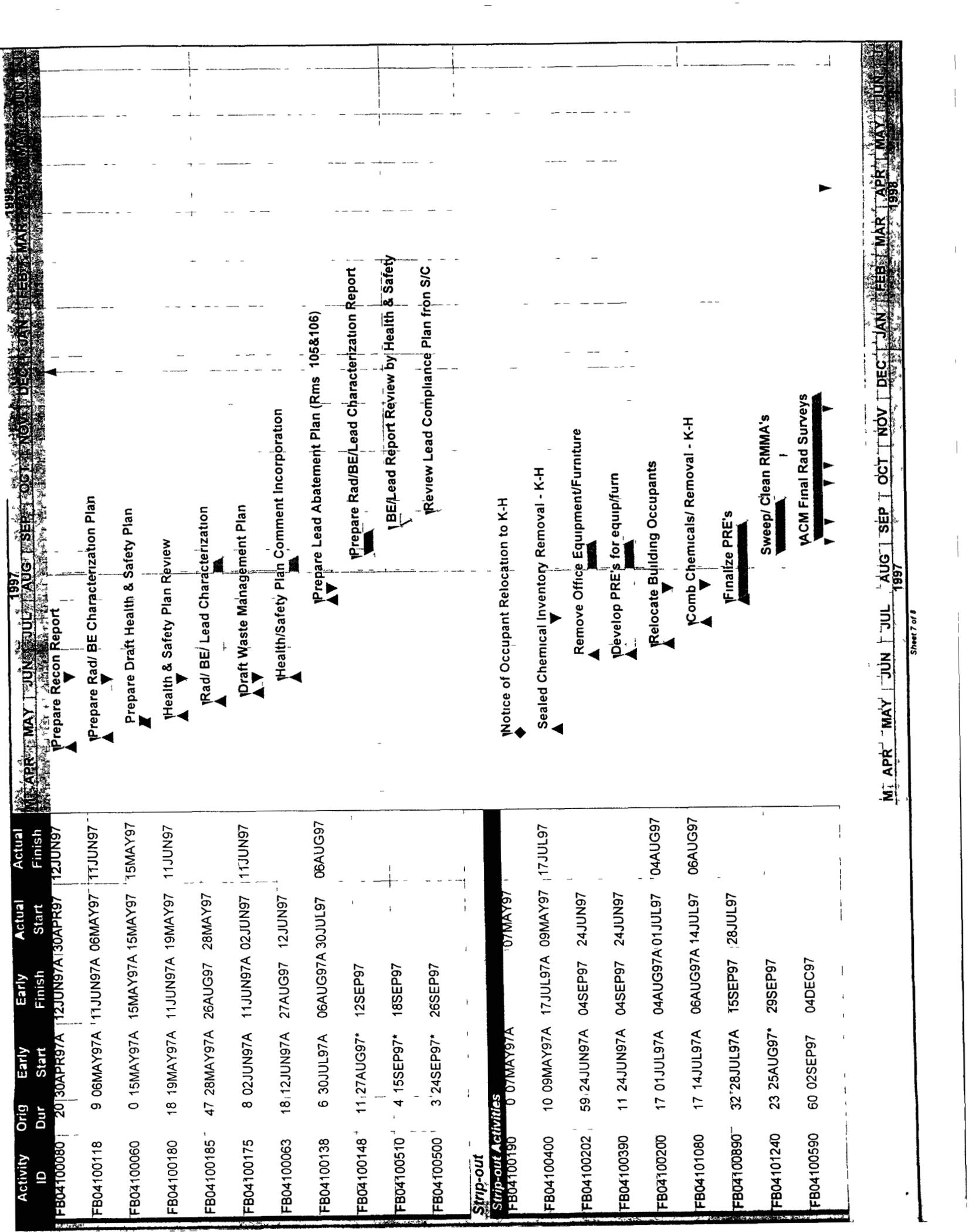


Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04100125	1	24SEP97*	24SEP97		
FB04100106	0	10OCT97			
FB04100107	20	24OCT97*	24NOV97		
Strip-out / Demolition Activities					
FB04100340	1	31MAR97A	09APR97A	31MAR97	09APR97
FB04100360	5	18JUN97A	23JUN97A	18JUN97	23JUN97
FB04100920	8	20JUN97A	07JUL97A	20JUN97	10JUL97
FB04100370	5	23JUN97A	01JUL97A	23JUN97	01JUL97
FB04100790	11	24JUN97A	09JUL97A	24JUN97	09JUL97
FB04100380	5	02JUL97A	09JUL97A	02JUL97	09JUL97
FB04100930	5	08JUL97A	15JUL97A	08JUL97	15JUL97
FB04100940	6	15JUL97A	22JUL97A	15JUL97	22JUL97
FB04101090	5	22JUL97A	29JUL97A	22JUL97	29JUL97
FB04100240	0	28JUL97A		28JUL97	
FB04100990	17	28JUL97A	21AUG97	28JUL97	
FB04100980	0		28JUL97A		28JUL97
FB04100570	10	31JUL97A	06OCT97	31JUL97	
FB04100250	1	01AUG97A	01AUG97A	01AUG97	01AUG97
FB04100260	9	01AUG97A	30SEP97	01AUG97	
FB04101140	5	15AUG97A	21AUG97	15AUG97	
FB04101160	1	15AUG97A	27AUG97	15AUG97	
FB04101180	0	15AUG97A		15AUG97	



Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04101150	5	25AUG97*	29AUG97		
FB04101170	11	25AUG97	10SEP97		
FB04100290	0	29AUG97*			
FB04100810	5	10SEP97	16SEP97		
FB04101190	1	10SEP97	10SEP97		
FB04101210	17	10SEP97	06OCT97		
FB04101200	1	16SEP97	16SEP97		
FB04100900	5	17SEP97	24SEP97		
FB04100910	5	25SEP97*	01OCT97		
FB04101220	1	06OCT97	06OCT97		
FB04100265	2	07OCT97	08OCT97		
FB04100700	0	09OCT97			
FB04100270	0	10OCT97*			
FB04100750	15	10OCT97	03NOV97		
FB04101270	15	10OCT97*	03NOV97		
FB04101260	10	03NOV97	17NOV97		
FB04100300	15	22DEC97*	15JAN98		
FB04101250	0	22DEC97*			
FB04100350	3	29DEC97*	31DEC97		
CHARACTERIZATION					
Recon Characterization / Environmental Reports					
FB04100070	28	27MAR97A	15MAY97A	27MAR97	15MAY97

Perform Recon Characterization



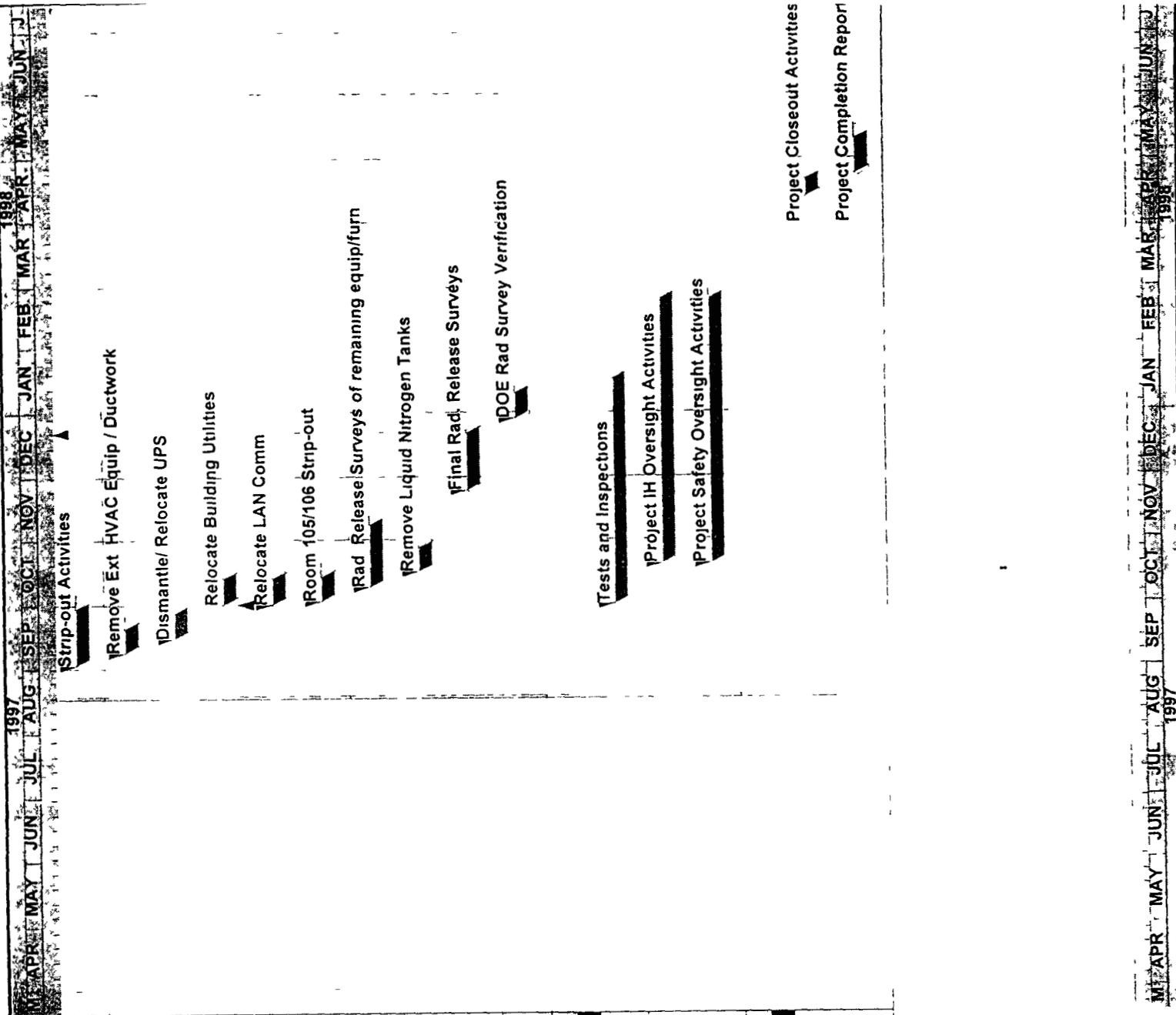
1997 1998
 APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN

Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04100080	20	30APR97A	12JUN97A	30APR97	12JUN97
FB04100118	9	06MAY97A	11JUN97A	06MAY97	11JUN97
FB04100060	0	15MAY97A	15MAY97A	15MAY97	15MAY97
FB04100180	18	19MAY97A	11JUN97A	19MAY97	11JUN97
FB04100185	47	28MAY97A	26AUG97	28MAY97	
FB04100175	8	02JUN97A	11JUN97A	02JUN97	11JUN97
FB04100063	18	12JUN97A	27AUG97	12JUN97	
FB04100138	6	30JUL97A	06AUG97A	30JUL97	06AUG97
FB04100148	11	27AUG97*	12SEP97		
FB04100510	4	15SEP97*	18SEP97		
FB04100500	3	24SEP97*	26SEP97		

Strip-out

Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04100190	0	07MAY97A		07MAY97	
FB04100400	10	09MAY97A	17JUL97A	09MAY97	17JUL97
FB04100202	59	24JUN97A	04SEP97	24JUN97	
FB04100390	11	24JUN97A	04SEP97	24JUN97	
FB04100200	17	01JUL97A	04AUG97A	01JUL97	04AUG97
FB04101080	17	14JUL97A	06AUG97A	14JUL97	06AUG97
FB04100890	32	28JUL97A	15SEP97	28JUL97	
FB04101240	23	25AUG97*	29SEP97		
FB04100590	60	02SEP97	04DEC97		

1997 1998
 APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN



Activity ID	Orig Dur	Early Start	Early Finish	Actual Start	Actual Finish
FB04100950	20	02SEP97*	01OCT97		
FB04100220	10	08SEP97*	22SEP97		
FB04100650	10	15SEP97*	29SEP97		
FB04100430	10	01OCT97*	15OCT97		
FB04100630	10	01OCT97*	15OCT97		
FB04101230	10	02OCT97	16OCT97		
FB04100410	25	09OCT97	10NOV97		
FB04100640	10	16OCT97*	30OCT97		
FB04100580	20	24NOV97*	24DEC97		
FB04101130	9	29DEC97	12JAN98		
SUPPORT SERVICES					
Operations					
FB04100610	70	10OCT97*	19JAN98		
FB04100520	87	20OCT97*	26FEB98		
FB04100530	87	20OCT97*	26FEB98		
CLOSEOUT AND VERIFICATION					
Project Activities					
FB04100310	10	13APR98*	24APR98		
FB04100440	14	24APR98*	13MAY98		