

BUILDING 440 SHIPPING FACILITY
PROJECT EXECUTION PLAN

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**BUILDING 440 SHIPPING FACILITY
PROJECT EXECUTION PLAN**

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: 1/4/00
RMRS Project Manager

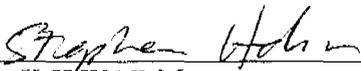
Concurrence by:  Dated: 1/12/00
K-H WAD Manager

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1. PROJECT IDENTIFICATION

The Building 440 Shipping Facility supports the DOE strategic plan by providing shipping capacity so that deactivation, decontamination and decommissioning activities can proceed as scheduled toward closure of the Site by the year 2006. This project is a necessary component of the Focus 2006 Plan and directly supports DOE's plans to ship TRU/TRM waste to WIPP. Planning for this project has been included in the Performance Measurement baseline, is included as part of the Waste Management Program, and is part of the overall Rocky Flats Closure Project.

1.1 VISION

The vision of the B440 Shipping Facility Project is to construct a shipping facility to the east of Building 440 such that four TRUPACT II truckloads of waste can be staged and simultaneously loaded into TRUPACT II vessels for shipment to WIPP.

1.2 PURPOSE

The purpose of this project is to provide a facility where efficient staging and loading of TRU/TRM drums can occur so that RFETS can increase shipments of waste to WIPP to nine or more per week.

1.3 MISSION

The mission of the B440 Shipping Facility Project is to construct a building east of B440 to house two TRUPACT II shipping bays and sufficient staging area for up to 200 drums at any one time. Beneficial Occupancy for the facility is planned for November 30, 2000; the facility will be ready for operations by March 30, 2001.

1.4 BACKGROUND/HISTORY

In support of the mission to close Rocky Flats by the year 2006, one of DOE's main efforts is to ship waste off-site in a safe and expedient manner. As buildings are prepared for decommissioning and demolition, the volumes of TRU/TRM waste increase, and the need for TRU/TRM waste storage, or ideally, shipment offsite, becomes paramount. RFETS is certified to ship TRU waste to WIPP, and in the near future will be able to ship TRM waste to WIPP.

The current TRUPACT II shipping capability amounts to staging and loading drums from storage in Building 664 onto a TRUPACT II truck that has backed into the highbay area of the building. A crane is needed to lift the stretch-wrapped packs of fourteen 55-gallon drums into the TRUPACT II vessel, which sits on the truck. (Alternatively, a TRUPACT II vessel can accommodate two standard waste boxes [SWBs].) Once the truck is loaded, it exits the bay and is ready for final inspection by the State of Colorado. There is insufficient room in Building 664 for more than one TRUPACT II truck at a time.

During 1998, RFETS designed and built a TRU Waste Repackaging Facility in Building 440, and designed a shipping facility, waste characterization facility and additional storage space at the same time. Due to immediate waste storage needs and changing priorities, the area designated for the shipping facility (Room 114) was converted to storage for TRU/TRM waste.

Waste volume projections show that yet additional onsite TRU/TRM waste storage will be required at RFETS by the third quarter of FY00. Work is underway to convert B906 from low level to transuranic

waste storage by May 2000. This additional storage is insufficient to keep up with waste generation rates, assuming the Site ships two TRUPACT II truckloads of TRU/TRM waste per week. With the present shipping capabilities, it is not always possible to stage, load, and ship two TRUPACT II truckloads a week. These loads must be prepared sequentially due to lack of staging area and only one shipping bay.

With projected TRU/TRM waste generation rates expected to increase this year, the ability to load two TRUPACT II trucks simultaneously, in addition to continuing shipment from Building 664, would greatly contribute to attaining the goal of Site closure by 2006. Locations that were considered for a shipping facility were B906 and an additional shipping bay in B664. Both of these locations would have been very inefficient in that drums would have to be handled more than once just to stage and load them onto the trucks. The present plan to construct two shipping bays to the east of B440, though an entirely different design from that of 1998, has the advantage of loading two trucks directly from an adjacent storage facility.

1.5 PROJECT JUSTIFICATION

The major driver in the RFETS closure process is the management and off-site shipment of existing and newly generated waste. This project will directly contribute to the achievement of that goal by providing the means to efficiently ship the TRU/TRM waste off-site. Currently two shipments are scheduled to leave RFETS per week. To keep pace with the forecast generations of TRU/TRM waste, RFETS is preparing to accelerate the off-site shipment of this waste by one truckload per week.

The current inventory of TRU/TRM waste as of September 30, 1999 is 3260m³. This inventory increases to a maximum of about 7750m³ in FY02, then decreases to 560m³ in FY06. These values assume that a maximum of 3400m³ of TRU/TRM waste is shipped per year between now and FY03. This quantity translates to about eleven TRUPACT II truckloads per week. Clearly, if RFETS were to ship three truckloads of TRU/TRM per week from three shipping bays, this will leave inventory to be carried over into the next year for shipment. Projections show that by FY05 there is relief in the need for aggressive shipping of TRU/TRM waste.

1.6 PROJECT FUNDING

The project is being funded under Project Baseline Description, PBD 002, WADLET 1104030202, WAD 005. Funds were expended in FY98 for the design of a shipping facility located in Room 114 of at B440. The location was subsequently used for waste storage.

2.0 PROJECT SCOPE

The project will construct a pre-engineered metal building, approximately 19,000 square feet with a 30' eave height, on the east end of B440 (dimensions will be finalized during Title II design). This building will house two TRUPACT II shipping bays and sufficient staging area (for up to 200 drums or 12 SWBs at any one time) to allow expedited shipments of TRU/TRM waste to WIPP. Proposed construction activities include:

- (1) Construct a pre-engineered metal building.
- (2) Install two 10-ton overhead cranes.
- (3) Construct/install two TRUPACT II shipping platforms.
- (4) Install two truck exhaust ventilation systems.
- (5) Install two stretch wrap machines to package drums.

- (6) Install fire sprinkler system and fire wall.
- (7) Install LS/DW system and phone system.
- (8) Install new electrical service.
- (9) Install internal security fence to segregate waste of differing attractiveness levels.
- (10) Construct entire facility to physical requirements of a limited area.
- (11) Demolish structures on the East exterior wall of B440 such as welding shed, railroad tracks/bed, B664 fencing, and others.
- (12) Relocate alarm panel on east side of B440.
- (13) Perform grade work on North side of B440 to eliminate drainage problems.
- (14) Pave an area from new shipping facility to B664 to allow room for TRUPACT II trucks.
- (15) Install outdoor lighting at paved area.
- (16) Install new fire hydrant to the east of new shipping facility.
- (17) Sample, if necessary, and remove any radiologically and chemically contaminated soils.
- (18) Procure two Automatic Center of Gravity Lifting Fixture systems.
- (19) Install HVAC system for heating and cooling.
- (20) Install HEPA filtration.

2.1 GOALS

Project specific goals include:

- Approve engineering design by April 27, 2000.
- Approved FSAR by April 24, 2000.
- Beneficial Occupancy by November 30, 2000.
- Completion of an Implementation Validation Review by March 13, 2001.

2.2 DELIVERABLES

The major project deliverables are:

- Approved NEPA documentation
- Soil Disturbance Permit
- 100 % Design
- Statement of Work
- Approved FSAR
- Beneficial Occupancy Notice
- Approved Project Acceptance and Transfer
- Implementation Validation Review
- Authorization letter from Kaiser-Hill allowing RMRS to commence operations. (This letter will follow corrective actions of an Implementation Validation Review.)

2.3 BOUNDARIES

RMRS Management per direction from Kaiser-Hill has assigned the project team. The Department of Energy, through K-H, is funding the project. The baseline scope, schedule, and budget are approved by DOE, K-H, and RMRS. The project team will remain within the boundaries set forth in the baseline and reflected in this Project Execution Plan. Section 10.4 outlines the roles and responsibilities for the project personnel and for the Subcontractor selected for the project.

2.4 PROJECT DOCUMENTS

The Work Authorization Document (WAD) defines the basis for DOE contractual authorization to perform work. The WAD is based on the PBDs submitted to DOE by K-H. The controlling WAD in FY00 is WAD 5. Other project documents include project control documents, project plans including Integrated Work Control Plan, Health & Safety Plans, Quality Assurance Plans, RCRA Class I Permit Modification, NEPA determination, procurement documents (Purchase Orders, Request for Proposals, contracts) and the Project Execution Plan. A list of the major documents that the project team must understand are contained in Appendix A.

3.0 TECHNICAL APPROACH

The technical approach to this project will be to construct a building east of Building 440 to house two truck bays and a staging area for waste drums between the bays. The existing rails east of the building will be razed and recycled. Fill dirt will be used to raise the level of the new foundation to that of the existing floor level of the main portion of the building. A platform will accompany each truck bay. A 10-ton overhead crane will be installed for each truck bay. The cranes will be used to lift the Automatic Center of Gravity Lifting Fixture (ACGLF) which stabilizes the 14 pack while being positioned into the TRUPACT II. An internal security fence will be installed to segregate waste as required by Nuclear Material Safeguards.

The floor area of the new structure between the truck bays will allow direct access to Room 105 of Building 440, so that drums can be brought directly out of storage into the staging area of the new facility. The area will be sufficient to stage a maximum of four truckloads of drums at a time in the staging area and two truckloads of drums in the loading bays.

3.1 TECHNICAL STRATEGY

It is RMRS' belief that an integrated team for projects such as this should provide DOE with the best value provided authority and responsibility for performance of the work reside with the Project Manager, and that appropriate and aligned incentives for all team members are formulated. The strategy to complete this project is to use a subcontractor to perform detailed design, construction, installation, and testing activities. A firm fixed price will be sought for this subcontract. Procurement activities will be directed by RMRS. The Statement of Work will clearly outline the deliverables, training requirements, and procedures that the subcontractor is to follow.

Site clearance activities in preparation for the construction work will be performed by K-H Construction. The design authority for the B440 Shipping Facility will be RMRS; whereas detailed design, construction, installation and testing will be the responsibility of the subcontractor, and RMRS and Kaiser-Hill will provide oversight in QA, Safety and Compliance.

3.2 APPLICABLE REGULATORY REQUIREMENTS DOCUMENTATION

The Kaiser-Hill contract with DOE specifies the list of DOE directives applicable to work at Rocky Flats. The K-H level 1 control documents conform to these requirements. All work on the Rocky Flats Closure Project (RFCP) is performed to appropriate regulations and standards that help protect the environment and health and safety of the workers and surrounding populations. The required regulatory documents for this project are NEPA documentation and a RCRA Part B Permit Modification. The NEPA documentation involves a Site-specific NEPA Checklist and the NEPA determination (either a Categorical Exclusion or an Environmental Assessment). Building 440 is

permitted as RCRA Unit 440.1. The drawing in the permit will need to be modified, however, no further storage capacity needs to be requested.

3.3 GUIDING PRINCIPLES

Guiding principles for the B440 Shipping Facility Project include:

- Safety of workers and the public as a primary concern.
- Efficient staging, loading, and shipping of waste off-site
- Protection of the environment
- Wise use of tax payers' money.

3.4 PROJECT CLOSURE

The Project Manager will be responsible for disposition of all project records and for sending them to Document Control. The IWCP package(s) must be signed and closed. All open subcontracts must be closed and a release of claims received from the subcontractors.

4. PERFORMANCE CRITERIA

Project team success depends on several Critical Success Factors, and project performance to the work plan that completes the project mission. Performance criteria for the project include:

- Maintaining safe working conditions through safety monitoring, safe work check list, and general safety awareness through the principles of Integrated Safety Management.
- Maintaining high quality of work performed through continuous Quality Assurance monitoring and comparison to design requirements.
- Meeting the client's schedule along with any milestones by proper resource allocation.
- Keeping project cost and schedule within baseline while ensuring productivity.

5. PROJECT RISK MANAGEMENT

5.1 ASSUMPTIONS

Key assumptions pertinent to planning and implementing the Building 440 Shipping Facility are:

- Adequate funding is available to fund the project cost estimate.
- The NEPA documentation will not require an Environmental Assessment.
- RMRS is the design authority for this project.
- Structures, utilities, and other facility obstructions will be removed prior to start of construction.
- Delays caused by outside forces: state exercises, facility shutdown, extreme weather, will not exceed a maximum of 80 work hours.
- No soil contamination will be encountered during site work.
- No hazardous or unexpected materials will be encountered (c.g., asbestos, lead, PCBs).
- Personal Protective Equipment (PPE) and waste containers will be available to support the project.
- Building 440 waste operations will not impact the project schedule.
- Construction activities will be scheduled during normal working hours.
- A new approved FSAR will allow shipping operations from B440 by March 29, 2001.

5.2 RISKS

Table 1 provides a description of each risk and mitigating actions to reduce such risks. Risks are given a low, medium, and high rating based upon a subjective evaluation by the Project Manager.

Table 1. Project Risks for B440 Shipping Facility

Risk	Rating	Mitigating Action
Accident of injury	Low	Implement Integrated Safety Management System; emphasize awareness throughout project through pre-evs and PODs; hold Lessons Learned meetings.
The NEPA organization recommends that an Environmental Assessment must be prepared.	Low	The users and the Project Manager must ensure that the Shipping Facility will be used only as a staging area for drums. If drums are being staged, and are not able to be loaded into TRUPACT IIs and onto the trucks for shipment offsite within a given period of time, it may be necessary to return drums to Room 105 of B440. If the NEPA organization is assured that the new addition will not be used as a storage area, but only as a staging area, then an Environmental Assessment likely will not be recommended.
DOE rejects the proposed HEPA system design.	Medium	Estimates will be produced for the proposed HEPA system and for an alternative HEPA system. The alternative system is being taken into consideration as to its impact on the schedule, procurement, and construction activities.
Encounter unexpected radiological contamination within structures	Medium	Provide explicit direction to subcontractor on how radiological contamination should be removed and managed. Ensure that workers are Rad Worker II trained.
Encounter unexpected/concealed structures, systems, or components	Medium	Provide direction to subcontractor to identify unexpected SSCs and whom to contact for assistance with a plan of action and applicable procedures. Include mitigating work tasks in the IWCP as much as possible.
Concrete is not available when needed.	Medium	If the final design calls for concrete for the truck bays, sufficient lead time will be allotted to research the supply of concrete and coordinate with local vendors.
FSAR approval is delayed beyond Beneficial Occupancy (November 30, 2000).	Medium	Delay in the FSAR approval will not impact construction activities, but may impact Performance Measures and TRU/TRM shipping rates. A contingency plan will be developed to address storage of TRU/TRM waste elsewhere on Site in the event that the B440 FSAR is delayed and TRU/TRM generation rates exceed identified Site storage capacity.
The construction subcontractor does not have the available resources to perform and complete the work for Beneficial Occupancy by November 30, 2000 and PA&T by January 2, 2001.	Low	Two week "look aheads" of work and anticipated delays are required of the subcontractor. Extended work hours or additional shifts may need to be implemented to retain the schedule.

6. METHOD OF ACCOMPLISHMENT

Project planning, preparation of design drawings and specifications, IWCP package, and project closure will be performed by the RMRS project team. Detailed design and construction activities will be performed by a subcontractor under a fixed price design/build contract. Pre-construction activities may be performed under a separate agreement with K-H Construction. RMRS will procure materials and perform receipt inspection. RMRS also shall provide QA, Safety and Compliance oversight on the project.

7. ENVIRONMENTAL, HEALTH, AND SAFETY

7.1 ENVIRONMENTAL COMPLIANCE

RMRS is fully committed to regulatory compliance and environmental cleanup at RFETS. Activities on this project comply with the requirements of the following:

- Rocky Flats Cleanup Agreement (RFCA)
- Price Anderson Amendments Act (PAAA)
- Clean Air Act (CAA)
- National Environmental Policy Act (NEPA)
- National Historic Preservation Act (NHPA)
- Resource Conservation and Recovery Act (RCRA)
- Occupational Safety and Health Act (OSHA)

7.2 INTEGRATED SAFETY MANAGEMENT

The principles of Integrated Safety Management (ISM) will be rigorously followed on this project by addressing the five functions in the following ways:

ISM Core Function

Satisfied through

- | | |
|------------------------------------|--|
| • Define Scope of Work | Design Criteria, Title II, drawings and specifications, Project Execution Plan, Action Log Requirements, weekly Design Meetings |
| • Identify and Analyze the Hazards | Preliminary Hazards Analysis, Soil Disturbance Permit, NEPA determination, RCRA Permit, Job Hazards Analysis, Activity Hazards Analysis, Project Health & Safety Plan, BFO for B440, FSAR, Activity Hazards Analysis, B440 Building Indoctrination, Radiological Work Permits, IWCP, USQD |
| • Identify and Implement Controls | Sampling & Analysis Plan, Design Criteria (RFETS: Conduct of Engineering Manual, Health and Safety Practices Manual, Hazardous Waste Requirements Manual, Sanitary Waste Manual, Integrated Work Control Program Manual, RMRS Quality Assurance Program Description), RMRS Construction Readiness Checklist, ALARA Review, subcontractor approved schedule, project IWCPs, physical barriers between operations and construction, established construction lay-down area, proper signage, Radiological Work Permits, ORC reviews |

- Perform the Work B440 Building Indoctrination, properly trained workers, RFETS Conduct of Operations Manual: Pre-evolution Briefings, Plan of the Day, Plan of the Week, Conduct of Maintenance Work (IWCP-5)
- Provide Feedback. Weekly Project Meetings, weekly Design Meetings, Design reviews, specialized meetings with the team and subcontractor, Plan of the Day, open rapport between project team and subcontractor, Lessons Learned, self-assessments, inspections with follow-up reports, toolbox sessions, verbal feedback from the crafts during safety meetings and Plan of the Day.

8. WASTE MANAGEMENT AND MINIMIZATION

Any waste generated during this project will comply with RFETS Waste Management Program. This program consists of low level waste, transuranic waste, infectious and biological waste, sanitary waste, and hazardous waste programs. These programs are described in RFETS management plans and procedures listed in Appendix A. The design/build subcontractor must submit a project-specific Waste Management Plan for this project.

The types of waste expected to be generated by this project are sanitary waste and perhaps low level radiological waste from the excavated soils in the northern extreme of the proposed shipping facility. An IHSS exists to the far eastern extreme of the area planned for the asphalt truck turnaround. The project will proceed with the recommendations of the Soil Disturbance Permit. The Waste Management Plan for the project will address the disposal of these wastes, and of the structures to be demolished on the eastern exterior wall of Building 440.

9. STAKEHOLDERS

Stakeholder involvement in this project is mandated by several laws and is the policy of the DOE. Stakeholders include regulators, the public, project workers (including subcontractors), and anyone affected by the project. This project requires a NEPA determination and perhaps a RCRA Part B Permit modification, the former of which is issued by DOE, RFFO, and the latter by the Colorado Department of Public Health and Environment. However, all Stakeholders (the public) can keep abreast of on-going projects at RFETS by checking the project documentation contained at the RFETS Public Reading Room at Front Range Community College, 3705 112th Avenue in Westminster.

9.1 COLLABORATION AND ENDORSEMENT

All project plans will be endorsed by involved parties such as the project manager, safety professional, waste management, radiological engineering, facility manager, etc. to ensure focus towards the same objective. The project through its evolution will receive endorsements from the project team, management, internal support organizations, DOE and external parties such as CDPHE for a RCRA Permit Modification. The project deliverables that require the signature of Kaiser-Hill are the planning documents such as WADs and BCPs, the NEPA recommendation and FSAR recommendation. DOE must make the final NEPA determination and must approve the FSAR, any positive USQDs, and BCPs. Any RCRA Permit Modification requires the approval of the State of Colorado.

9.2 ONGOING COLLABORATION

Project reporting and project meetings are the primary method to ensure ongoing collaboration. Project meeting minutes will be maintained by RMRS. The subcontractor is responsible for reporting the following information to the Project Manager on a weekly basis: labor resources, hours worked per individual, materials, schedule (overall and running two-week look ahead), anticipated delays, and material/procurement issues.

10. ORGANIZATION AND RESPONSIBILITIES

10.1 TEAM ORGANIZATION AND STRUCTURE

The B440 Shipping Facility Project organization is shown in Figure 1 under the management of Roland Bannister.

10.2 TEAM PROCESSES

The processes used by the project team include:

- Develop work plan.
- Obtain project endorsement.
- Authorize work performance.
- Implement work.
- Control work to the plan.
- Communicate.
- Close the project.

These processes are largely the same as the core functions of Integrated Safety Management, highlighted in Section 7.2. Implementation of these processes are the project-specific documents that the team members must understand and follow.

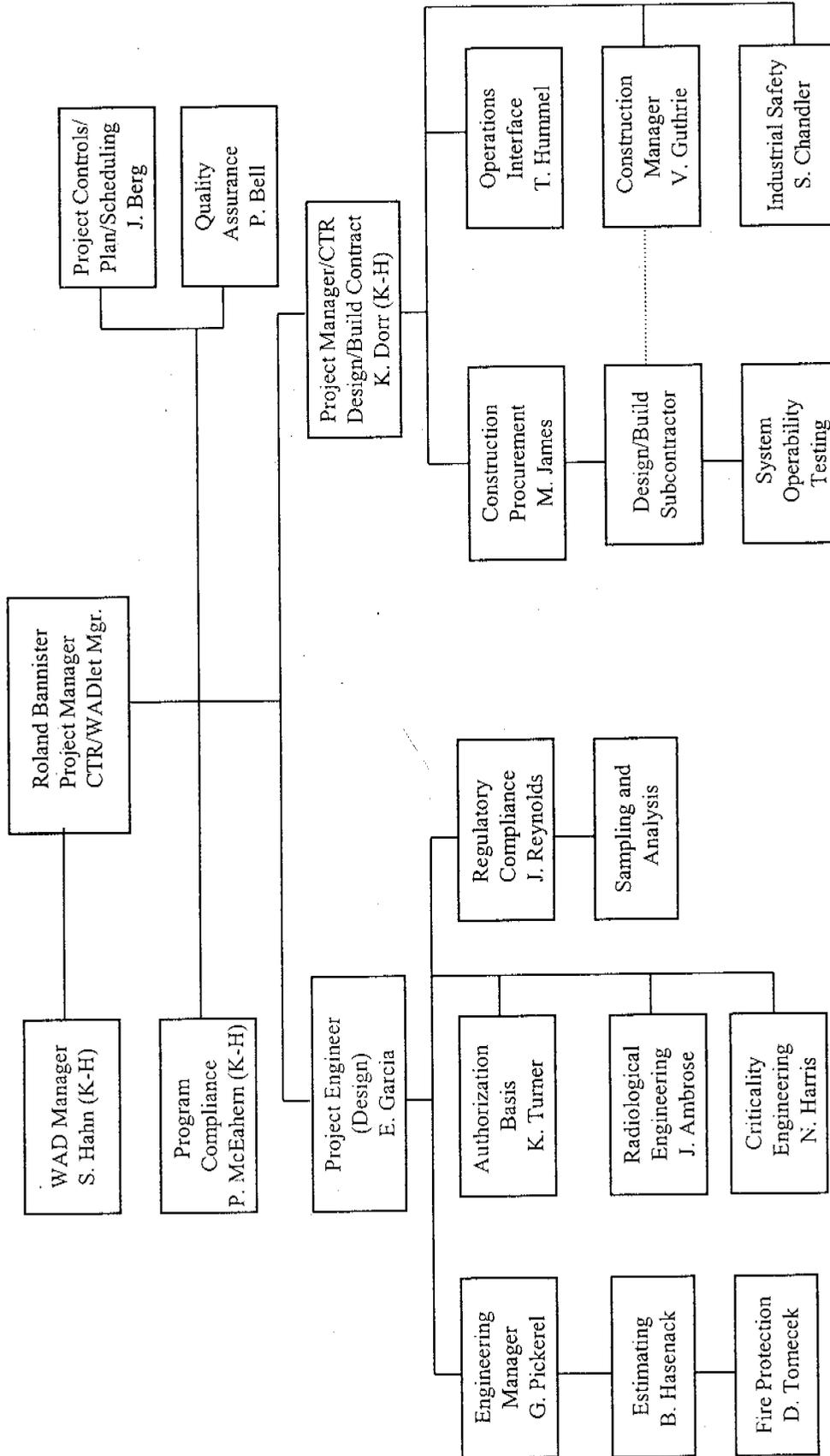
10.3 TEAM INTERFACES

The B440 Shipping Facility Project interfaces with DOE and Kaiser-Hill through the Project Manager, Roland Bannister. Interfaces with other Site organizations are through regulatory compliance and Authorization Basis with Kaiser-Hill. Kaiser-Hill organizations communicate with the State of Colorado and with DOE on issues related to RCRA, NEPA and Authorization Basis. RMRS interfaces with the construction subcontractor who in turn interfaces with the crafts, as needed. During the construction of this project, RMRS will coordinate and communicate with waste operations in B440 to minimize impacts to routine low level and TRU waste operations in the building.

10.4 KEY PERSONNEL AND RESPONSIBILITIES

Table 2 outlines the responsibilities of the RMRS key personnel. The construction activities of this project are assigned to the construction subcontractor, and follow in this table.

Building 440 Shipping Facility



RMRS personnel, unless otherwise noted

Figure 1 Project Organization for B440 Shipping Facility Project

Table 2: Key Personnel and Responsibilities

Position	Name	Phone #	Responsibilities
K-H WAD Manager	Steve Hahn	9888	K-H project owner, sponsor, and champion. Serves as Project Manager for the project when one has not been assigned. Serves as primary point of contact for DOE and regulatory agencies.
RMRS Project Manager	Roland Bannister	2485	Has responsibility for the successful execution of the project. Initiates definition of activities necessary for the project and coordinates and facilitates activities of others. Serves as project interface and integrator with the K-H User, Program Management and project team. Is totally knowledgeable and maintains involvement in status of project scope, schedule and budget. Controls approved project funds and charge numbers, and solely manages charge authorization. Proactively anticipates and identifies problems and ensures corrective actions are taken.
K-H Program Compliance	Patrice McEahern	4265	Ensures that the project complies with applicable engineering standards, procurement practices, and environmental orders. Oversees the progress of the project to ensure that project milestones are met.
K-H Project Manager, CTR Design/Build Contract	Kent Dorr	6034	As CTR, ensures that project scope, schedule, and budget for the design/build subcontract are maintained. Ensures both technical and subcontract compliance for supplies services, and construction subcontracts, by evaluating subcontract work, controlling government property, reviewing and approving invoices, and understanding contractual aspects. Ensures that all subcontracted work is performed in accordance with the subcontract. Fulfills similar functions for any activities performed by Kaiser Hill Construction.
Authorization Basis	Kyle Turner	670-8797	Prepares Safety Analysis Report (SAR) for the project and coordinates preparation of hazard analyses related to the SAR. Ensures appropriate coordination of Authorization Basis activities occurs with other areas.
Radiological Engineering	Jeff Ambrose	3370	Has responsibility for providing radiation source term for the facility and specifying the required shielding to meet Site industrial standards.
Industrial Safety	Skip Chandler	6673	Reviews the JHA/AHAs prepared by the subcontractor; concurs with the Health and Safety Plan (HASP). Ensures activities are completed safely and within the correct authorization basis. Ensures that Occupational Safety and Health Administration requirements are factored into project work packages. Responsible for safety and health compliance oversight.
Criticality Engineering	Neil Harris	5668	Has responsibility for providing criticality analyses and incredibility analyses in support of the project.
Project Engineer (Design)	Ernie Garcia	5980	Coordinates the overall design engineering effort to ensure a smooth and efficient implementation of the design. Is totally knowledgeable of, and ensures that project scope, schedule and budget are maintained.

Position	Name	Phone #	Responsibilities
Engineering Design	Greg Pickerel	5634	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. Coordinates or performs the engineering effort necessary to complete the project. Responsible for successful and timely completion of System Operability Tests.
Construction Procurement	Mike James	5022	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 procurement procedures are followed and that adequate competition exists for procurements.
RMRS Construction Manager	Vern Guthrie	7419	Has responsibility for day to day coordination and interface between construction activities and ongoing waste operations in the building. Oversees field supervision.
RMRS TRU Program User	Leslie Lewis	7643	Defines the use requirements and those needed for waste certification for shipment in accordance with WIPP criteria.
RMRS User	John Bower		Responsible for maintaining a safe facility. Accepts design modifications for an operable and maintainable facility.
Operations Interface	Terry Hummel	3107	Provides primary oversight for Waste Management Operations. Ensures that proper operations input is provided to ensure that the facility will meet the needs of Waste Management Operations. Works with Waste Management to provide technical guidance and review for design and construction of the facility.
Regulatory Compliance	Jean Reynolds	5204	Coordinates interface with federal and state regulators. Ensures that project activities are conducted in compliance with applicable environmental and regulatory requirements. Reviews project documents as necessary to ensure the work is completed within existing permit requirements. Tracks and coordinates completion of commitments.
Quality Assurance	Paul Bell	6089	Ensures that assessment and surveillances of the project are performed according to a predetermined schedule. Provides QA oversight for procurement, construction, and environmental tasks. Ensures that noncompliance reports and corrective action plans are prepared by the field quality officer. Requests and reviews worker training records.
Estimating	Brian Hasenack	7762	Prepares project cost estimates from the Work Breakdown Structure resources information, project schedules, historical and commercial information. Develops increasingly precise and accurate estimates as the project becomes better defined. Provides project contingency fund levels and assists with data and justification information during project validation review.
Project Controls	Jim Berg	4301	Reports to the Project Manager. Coordinates and verifies project controls data, reports, and 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. Maintains all schedule development documentation.

The design authority for the B440 Shipping Facility Project will be RMRS, whereas the detailed design, construction, installation, and testing activities will be performed by the construction subcontractor.

RMRS is responsible for:

- Project management
- Conceptual design of the B440 Shipping Facility
- Specifications and schedule for long-lead materials
- Quality Assurance audits, surveillances, and oversight
- Oversight of safety and compliance
- Approved Authorization Basis
- USQD prior to construction
- Scheduling and conduct of applicable ORC reviews
- Government estimates
- Preparation of the IWCP
- Interface between construction activities and ongoing B440 waste operations
- Oversight and acceptance of equipment and system testing
- Oversight of field supervision of construction activities.

The design/build subcontractor is responsible for:

- Detailed design of the B440 Shipping Facility
- Preparation of the Bill of Materials (BOM) and receipt inspection of materials
- Procurement of all labor and materials/equipment resources necessary to perform the work safely and in accordance with the project schedule
- Title II Design
- Title III Engineering
- Construction in line with approved designs
- Training of the labor force
- Safety of all workers at all times on the job-site
- Housekeeping of the job-site
- Proper use of equipment (to code or RFETS standards)
- Compliance with environmental and DOE Orders, and building-specific requirements
- All labor relations issues, including discipline and dismissal
- Interface with and scheduling of Radiological Control Technicians
- Field supervision of construction personnel
- Reporting of accidents, near misses, incidences to Project Manager immediately and in accordance with the Site's Occurrence Reporting Process procedure
- Adhering to the project schedule
- Maintenance of daily construction log
- Optimizing expenditures on construction activities
- Performance of tests
- Weekly reports to the Project Manager on labor resources, hours worked, materials procured/delivered, overall construction schedule and rolling two week look-ahead schedule, delays and anticipated delays, and any resource or material/procurement issues.

11. PROJECT WORK BREAKDOWN STRUCTURE

The WBS number for the B440 Shipping Facility Project is 1.1.04.03.02. For WBS Code 02, Table 3 outlines the Activity Code, corresponding Activity, budget amount and funding amount.

Table 3: Activities and Costs for WBS 1.1.04.03.02.02

Activity Code	Activity	Budgeted Amount	Funding Amount	Delta (fund-budg)
A5EC437215	Support Services - shipping	\$167,920	\$168,000	+80
A5EC437216	Support Services - construction	\$167,920	\$00	-167,920
A5EC437217	AB Requirements	\$72,876	\$73,000	+124
A5EC437219	Regulatory Requirements	\$5,753	\$6,000	+247
A5EC437220	Conceptual Design	\$36,553	\$37,000	+447
A5EC437222	Procurement for Design/Build	\$7,671	\$8,000	+329
A5EC437224	Title II Design/Review	\$81,594	\$82,000	+406
A5EC437226	Procurement - Long Lead Items	\$214,836	\$215,000	+164
A5EC437230	Constr./Contam Soil Remove	\$4,752,858	\$00	-4,752,858
A5EC437235	Construction Support - shipping	\$537,986	\$145,000	-392,986

12. BUDGET

Fiscal Year	Labor \$	Non-Labor \$	Total FY \$
FY2001	\$4K	\$1059K	\$1063K
FY2000	\$354K	\$5692K	\$6046K
Contingency	-0-	-0-	-0-
Escalation	-0-	-0-	-0-
Total Baseline	\$358K	\$6751K	\$7109K
Project EAC	\$358K	\$6751K	\$7109K

12.1 BASIS AND VALIDATION

Project cost estimates are included in the BEST database. All cost estimates within BEST have been validated by individual teams that do not contain the same people that do the work, led by the Kaiser-Hill P&I organizations. In addition, the project cost estimate was benchmarked against industry standards.

12.2 FINANCIAL WORK AUTHORIZATION

The Kaiser-Hill project control system uses three levels of authorization:

- 1) Authorization from DOE,RFFO to Kaiser-Hill,
- 2) Authorization from Kaiser-Hill to the prime subcontractors, and
- 3) Authorization from Kaiser-Hill and the prime subcontractors to lower-tier subcontractors.

Authorization from DOE,RFFO to Kaiser-Hill is performed at least once annually, just prior to the beginning of the new fiscal year. This authorization takes two forms: issue and approval of a PBS, and modification to the Kaiser-Hill contract to establish funding authority and allow Kaiser-Hill to incur costs. The PBS is issued at the project level, while funding authorization is made according to Budget and Reporting code structure. During the course of the year, funding authorization is updated based either on release of incremental funding or as the result of a Site Change Control Board action.

Subsequent to receiving authorization from DOE,RFFO, Kaiser-Hill issues work authorization to the prime subcontractors. This authorization takes the form of a contract modification referred to as a

Procurement Authorization Document, or PAD. The subcontractors' ability to incur costs is limited to the amount of the PAD. Thus, the PAD is modified periodically throughout the year. The PAD is issued at the lowest work breakdown structure level by which the prime subcontractor(s) will collect and accrue cost. Due to the late authorization from Congress, continuing resolution may be issued to continue work until formal budget authorization.

Authorizations from Kaiser-Hill and the prime subcontractors to lower-tier subcontractors, or third tier subcontractors take the form of purchase orders. Each purchase order establishes work scope, terms and conditions, and authorized cost.

13. PROJECT SCHEDULE

A Primavera Project Planner (P3) schedule for this project is contained in Appendix B. This is the baseline schedule. When the subcontractor of design and construction prepares their schedule, this will be incorporated into the project schedule.

14. PROJECT CONTROLS, REPORTING, AND DOCUMENTATION

The following topics are areas of special interest for the B440 Shipping Facility Project.

14.1 QUALITY AND SAFETY MANAGEMENT

The B440 Shipping Facility Project is expected to follow the RFETS Quality Assurance Program and the RMRS Quality Assurance Program. These are defined through documents listed in Appendix A. A project-specific quality assurance plan will not be required for this project.

Codes and Standards that the project must adhere to are specified in the Design Criteria prepared for the project. This project comes under the B440 BFO. An FSAR is being prepared for the facility, which will need to be modified to consider the shipping facility prior to operations. An Activity Screening Form will be filled out before an IWCP is prepared for the planned B440 Shipping Facility.

Safety documents such as Activity Hazards Analysis will be prepared, when necessary. The project will follow ISM principles, which are evidenced by the documents, listed in Section 7.2.

14.2 WORK INSTRUCTIONS

The written procedures, which are to guide the work on this project, are listed in Appendix A. There are both RFETS and RMRS procedures, which will direct work. The work instructions, which describe the project planning and control system, are available on the P&I Intranet Home Page and through the K-H Document Control. A specific IWCP will be generated for the performing subcontractor.

14.2.1 PROJECT INTERFACES/MEETINGS

The project uses "oversight by walking around", e-mail, pre-evolution meetings, and weekly meetings to maintain project communications. The weekly meeting agenda includes reports from pertinent areas of the project team including program, project management, safety, compliance, authorization basis, radiological engineering, design, estimating and construction management. Meeting minutes will be taken and maintained in the project files.

14.2.2 RECORDS MANAGEMENT PROCEDURES

Record Management will be done in accordance with K-H Procedure 1-V41-RM-001. Correspondence Control shall be maintained in accordance with K-H procedure 1-11000-ADM-003. Project-specific records are maintained in accordance with COEM, Conduct of Engineering Manual and the Site Engineering Requirements Manual, SERM.

14.2.3 FINANCIAL PROCEDURES

The K-H accounting system is set up to provide financial data on a monthly basis. The project team will monitor the cost and ensure that the budget is managed.

14.3 CONTROL

The Project Manager shall status the project schedule at least once a month and analyze any problems in meeting the target date for those activities assigned to WAD 5. Project status will include comparison of BCWS to BCWP and ACWP. Earned Value will be calculated by the Project Manager, based upon actual production or achievement of milestones from different performing groups. Percentages shall be assigned for each activity ahead of time. Variances will be reported and explained and corrective actions identified.

14.4 CHANGE MANAGEMENT

K-H P & I Standard S-01 and Work Instruction INST-002 define the Rocky Flats baseline change control process. All baseline changes whether scope, schedule, or budget will have to be approved by either the Site or Internal Change Control Board prior to implementation. The K-H Project Manager will submit all such change requests as appropriate.

15.0 REFERENCE INFORMATION

15.1 LESSONS LEARNED

At the end of this project, and for significant problems encountered during the project, Lessons Learned will be issued for dissemination both inside and outside the project. Lessons Learned will be written up and filed with the RMRS Lessons Learned organization.

15.2 ACRONYMS

AB Authorization Basis
ACE Activity Control Envelope
ACWP Actual Cost of Work Performed (Actuals)
AHA Activity Hazards Analysis
BCP Baseline Change Proposal
BCWP Budgeted Cost of Work Performed (Earned Value)
BCWS Budgeted Cost of Work Scheduled (Budget)
CDPHE Colorado Department of Public Health and Environment
DOE Department of Energy
EAC Estimate at Completion
HASP Health and Safety Plan
IHSS Individual Hazardous Substance Site

ISMS Integrated Safety Management System
IWCP Integrated Work Control Process
NEPA National Environmental Policy Act
OSHA Occupational Safety and Health Administration
PA&T Project Acceptance and Transfer
PBD Project Baseline Description
PEP Project Execution Plan
POC Pipe Overpack Component
PPR Project Performance Report
QA Quality Assurance
RCRA Resource Conservation and Recovery Act
RFCA Rocky Flats Cleanup Agreement
RFCP Rocky Flats Closure Project
RFETS Rocky Flats Environmental Technology Site
SV Schedule Variance (BCWP-BCWS)
TRU/TRM Transuranic/Transuranic Mixed Waste
UBC Uniform Building Code
USQD Unresolved Safety Question Determination
WAD Work Authorization Document (contractual agreement between RFFO and Kaiser-Hill)
WBS Work Breakdown Structure
WIPP Waste Isolation Pilot Plant

15.3 REFERENCES

- 1 Kaiser-Hill Company, Planning and Integration, Rocky Flats Closure Project (RFCP) Project Management Plan, October, 1997
- 2 State of Colorado Docket # 96-07-19-01, Final Rocky Flats Cleanup Agreement, July 19, 1996
- 3 Kaiser-Hill Document 1-MAN-016-ISM, Integrated Safety Management System Manual, Revision 0, 9/30/97
- 4 Kaiser-Hill Company, LLC, Rocky Flats Environmental Technology Site Quality Assurance Manual, ADC-96-00042, 2/2/96
- 5 Site Quality Council, Quality Assurance Program Infrastructure Document List, Revision 2, 5/9/96
- 6 U. S. Department of Energy Environmental Assessment, Finding of No Significant Impact, and Response to Comments, Radioactive Waste Storage, DOE/EA-1146, April, 1996.
- 7 U. S. Department of Energy Finding of No Significant Impact, Temporary Storage of Transuranic and Transuranic Mixed Waste, DOE/EA-1303, August, 1999.

Appendix A

Work Instructions for B440 Shipping Facility Project

The following procedures are implemented for a graded approach to the B440 Shipping Facility Project:

- 1-11000-ADM-003, Correspondence Control Program
- 1-90953-CCCP-3.10, Procurement of Materials and Equipment
- 1-D97-ADM-16.01, Occurrence Reporting Process
- 1-MAN-016-ISM, Integrated Safety Management Manual
- 1-MAN-017-LLGI-RM, Site Lessons Learned/Generic Implications Requirements Manual
- 1-PRO-453, Master Agreement Subcontract Procurement
- 1-V10-ADM-15.02, Stop Work Action
- 1-V41-RM-001, Records Management Guidance for Records Sources
- COEM, Conduct of Engineering Manual
- MAN-027-SERM, Site Engineering Requirements Manual
- MAN-066-COOP, Site Conduct of Operations Manual
- MAN-071-IWCP, Integrated Work Control Program Manual
- MAN-072-OS&III PM - Occupational Safety & Industrial Hygiene Program Manual
- RADCON Manual, RFETS Radiological Control Manual
- RFETS Site Quality Assurance Manual
- RMRS Quality Assurance Program Description
- Rocky Flats Plant RCRA Part B Permit and Compliance Documents
- Site Quality Assurance Program Procedures Manual
- SX-300, General Drafting Standards
- TUM, Training User's Manual
- Waste Management Program
 - 1-1000-EWQA, Sanitary Waste Management Plan
 - 1-1000-TRM-WP-2401, Asbestos Waste Management
 - 1-I15-SAN-001, Sanitary Waste Management
 - 1-MAN-008-WM-001, Transuranic Waste Management Manual
 - 1-MAN-037-OWMP, Offsite Waste Management Program
 - 1-MAN-039-WEM-WP-1200, Waste and Environmental Management System Program
 - 94-RWP/EWQA-0014, Low Level Waste Management Plan
 - Waste Certification and Oversight Quality Assurance Management Plan

Appendix B

Project Schedule for Building 440 Shipping Facility Project

Best Available Copy

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Planned Start	Planned Finish	Total Float	RESP
0270	Fabricate Cranes	98	98	0	13JUN00	18SEP00			48	BH
0275	Pre-Delivery Inspections	7	7	0	19SEP00	25SEP00			48	PB
0280	Install Cranes	18	18	0	26SEP00	23OCT00			31	BH
0285	On-Site Operational Inspections/Testing	14	14	0	24OCT00	13NOV00			31	BH
0290	Beneficial/PAT	7	7	0	14NOV00	27NOV00			31	BH
0300	Write/Review Specification of Shrink Wrap Units	27	13	65	17DEC99A	28JAN00			146	GP
0305	PR to Procurement for Shrink Wrap Units	6	6	0	31JAN00	08FEB00			146	KD
0310	Procurement of Shrink Wrap Units	167	167	0	09FEB00	31OCT00			146	MJ
0400	Write/Review of Specification of Vacuum Pumps	27	13	65	17DEC99A	28JAN00			146	GP
0405	PR to Procurement for Vacuum Pumps	6	6	0	31JAN00	08FEB00			146	KD
0410	Procurement of Vacuum Pumps	167	167	0	09FEB00	31OCT00			146	MJ
0500	Write/Review Specification of Leak Test Equipment	27	15	50	17DEC99A	01FEB00			144	GP
0505	PR to Procurement for Leak Test Pumps	6	6	0	02FEB00	10FEB00			144	KD
0510	Procurement of Leak Test Pumps	167	167	0	11FEB00	02NOV00			144	MJ
DESIGN CRITERIA										
1000	Conceptual Design/Design Criteria	42	0	100	12OCT99A	22DEC99A	12OCT99A	16DEC99		GP
1005	Fire Hazards Analysis	22	22	0	14MAR00	17APR00	17DEC99	24JAN00	21	GP
1010	ASF Checklist	1	0	100	18OCT99A	18OCT99A	18OCT99A	18OCT99A		EG
1015	RAD Source Terms and Dose Projections	14	0	100	01DEC99A	07DEC99A	15NOV99	22NOV99		JA
1020	Conceptual Design/Design Criteria Review	5	1	98	17DEC99A	13JAN00	17DEC99	27DEC99	4	GP
1025	Conceptual Design/Design Criteria Estimate	19	0	100	29NOV99A	28DEC99A	29NOV99	28DEC99		BH
1027	Design Criteria 90% Estimate for Change Proposal	10	0	100	29NOV99A	13DEC99A	29NOV99	13DEC99		BH
1030	BCP for Scope Modifications to K-H	5	0	100	07DEC99A	20DEC99A	14DEC99	20DEC99		RB
1035	BCP for Scope Modifications to K-H Change Board	8	5	90	21DEC99A	17JAN00	21DEC99	03JAN00	24	SH
1040	BCP for Scope Modifications to Site Board	11	11	0	18JAN00	02FEB00	04JAN00	19JAN00	24	SH
1045	ALARA Design Review	19	19	0	14MAR00	11APR00	29NOV99	28DEC99	24	JA
1050	Davis Bacon Determination	8	5	85	03DEC99A	17JAN00	03DEC99	15DEC99	0	VG
1055	Prepare SOW Package	14	3	85	06DEC99A	17JAN00	06DEC99	28DEC99	0	GP
1060	Submit PR/SOW to Procurement	0	0	0		17JAN00		28DEC99	0	GP
1065	Review/Prepare Procurement Document	11	11	0	18JAN00	02FEB00	29DEC99	14JAN00	0	MJ

Activity ID	Activity Description	Orig Dur	Rem Dur	%	Early Start	Early Finish	Planned Start	Planned Finish	Planned Float	Total Float
1070	Issue RFP to Potential Bidders	1	1	0	02FEB00	02FEB00	14JAN00	14JAN00	0	0 MJ
1073	Pre-Bid Walk Down	1	1	0	03FEB00	03FEB00			0	0 MJ
1075	Prepare Bids	13	13	0	07FEB00	24FEB00	17JAN00	07FEB00	0	0 MJ
1080	Receive/Review Proposals	5	5	0	025FEB00	02MAR00	08FEB00	14FEB00	0	0 MJ
1085	Revise Proposals	5	5	0	06MAR00	10MAR00	15FEB00	22FEB00	0	0 MJ
1090	Award Contract/Notice to Proceed	0	0	0		10MAR00		22FEB00	0	0 MJ
1100	USQD for Construction	2	2	0	13APR00	17APR00	27MAR00	28MAR00	17	17 EG
1105	ORC Review	4	4	0	18APR00	21APR00	29MAR00	04APR00	17	17 EG
AUTHORIZATION BASIS										
2000	Approval to Start Design	1	0	100	11OCT99A	11OCT99A	11OCT99A	11OCT99A		RB
2005	Request Classification Exemption	14	0	100	15NOV99A	29NOV99A	15NOV99	01DEC99		TH
2010	Operational Requirements Document	25	0	100	11OCT99A	11JAN00A	11OCT99A	15NOV99		TH
2015	Criticality Evaluation	10	0	100	15NOV99A	23NOV99A	15NOV99	01DEC99		EG
2020	Incredibility Analysis	12	0	100	15NOV99A	23NOV99A	15NOV99	03DEC99		EG
2025	Preliminary Project Execution Plan	14	0	100	18OCT99A	05NOV99A	18OCT99A	05NOV99A		RB
2030	Review Project Execution Plan	4	0	100	08NOV99A	11NOV99A	08NOV99A	11NOV99A		RB
2035	Final Project Execution Plan	5	3	99	15NOV99A	13JAN00	15NOV99A	19NOV99	4	4 RB
3000	Develop B440 FSAR Ship Fac Page Changes	31	31	0	30MAR00	18MAY00	10MAR00	26APR00	165	165 KT
3005	RMRS/KH Review B440 FSAR	9	9	0	19MAY00	02JUN00	27APR00	11MAY00	165	165 KT
3010	Revise and Transmit FSAR to the DOE	13	13	0	05JUN00	22JUN00	15MAY00	02JUN00	165	165 KT
3015	DOE Review and Approve FSAR	16	16	0	27JUN00	20JUL00	05JUN00	29JUN00	165	165 KT
3020	PSAR	36*	15*	0	06DEC99A	01FEB00	06DEC99	31JAN00	25	25 KT
3025	Letter to K/H/DOE identifying A-B Strategy	4	0	100	06DEC99A	09DEC99A	06DEC99	09DEC99		KT
3035	Develop Streamlined PSAR	9	0	100	13DEC99A	27DEC99A	13DEC99	27DEC99		KT
3040	RMRS/K-H Review PSAR	3	0	100	28DEC99A	10JAN00A	28DEC99	30DEC99		KT
3045	Revise and Transmit PSAR to the DOE	3	5	15	1510JAN00A	17JAN00	03JAN00	05JAN00	25	25 KT
3050	DOE Review/Approve/Revise PSAR	16	10	0	18JAN00	01FEB00	06JAN00	31JAN00	25	25 KT
DEMOLITION										
4000	B664 Yard Cleanup	16	16	0	22FEB00	15MAR00	20DEC99	20JAN00	26	26 KD
4005	Demolition Engineering	20	16	40	15DEC99A	02FEB00	24JAN00	27JAN00	16	16 GP

Activity ID	Activity Description	Orig. Dur	Rem Dur	%	Early Start	Early Finish	Planned Start	Planned Finish	Total Float	RESP
6040	Obtain Permit Mod	17	17	0	01FEB00	25FEB00	24JAN00	16FEB00	301	JR
SOIL CHARACTERIZATION										
7000	Determine Sampling Requirements	12	0	100	15NOV99A	03DEC99A	15NOV99	03DEC99		JR
CONSTRUCTION										
8000	ENGINEERING / CONSTRUCTION	202*	202*	0	13MAR00	01FEB01	23FEB00	01NOV00	0	KD
8005	Notice to Proceed for Engineering/Construction	1	1	0	13MAR00	13MAR00	23FEB00	23FEB00	0	KD
8010	Design / Review / IWCP	43	43	0	14MAR00	19MAY00	24FEB00	02MAY00	0	EG
8015	Engineering / Construction	55	55	0	22MAY00	17AUG00	03MAY00	31JUL00	0	KD
8020	Construction	93	93	0	18AUG00	17JAN01	01AUG00	01NOV00	0	KD
8023	Testing	10	10	0	18JAN01	01FEB01			0	KD
8025	Beneficial Occupancy	0	0	0		01FEB01		01NOV00	0	KD
8030	Complete Punchlist Items	17	17	0	05FEB01	01MAR01	02NOV00	30NOV00	0	KD
8035	PA & T	1	1	0	05MAR01	05MAR01	04DEC00	04DEC00	0	KD
8040	Engineering Project Closeout	72	72	0	06MAR01	26JUN01			0	KD
8045	CM PM Project Closeout/Support	72	72	0	06MAR01	26JUN01			0	KD
PREOPERATIONS										
9000	Develop and Revise Existing Procedures	55	55	0	02NOV00	01FEB01	08AUG00	01NOV00	0	TH
9005	Building Emergency Response Operations	55	55	0	02NOV00	01FEB01	08AUG00	01NOV00	43	TH
9010	Emergency Preparedness Hazard Assessment	55	55	0	02NOV00	01FEB01	08AUG00	01NOV00	43	TH
9015	Verify and Validate Procedures	34	34	0	05FEB01	28MAR01	02NOV00	28DEC00	0	TH
9020	USQD and ORC Review of Procedures	9	9	0	29MAR01	11APR01	02JAN01	15JAN01	0	TH
9025	Develop Training Implementation Matrix	17	17	0	05FEB01	01MAR01	02NOV00	30NOV00	44	TH
9030	Revise Training Implementation Plan	17	17	0	05FEB01	01MAR01	02NOV00	30NOV00	44	TH
9035	Briefing on Procedures, Plans, and A-B	18	18	0	12APR01	09MAY01	16JAN01	12FEB01	0	TH
9040	Training Dry Run	4	4	0	10MAY01	16MAY01	13FEB01	20FEB01	0	TH
9045	Self Assessment of Readiness	3	3	0	17MAY01	21MAY01	21FEB01	23FEB01	0	TH
9050	Notify K-H of Start of IVR	2	2	0	22MAY01	23MAY01	26FEB01	27FEB01	0	TH
9055	Implementation of Validation Review	9	9	0	24MAY01	07JUN01	28FEB01	13MAR01	0	TH
9060	Corrective Actions of IVR	9	9	0	11JUN01	21JUN01	14MAR01	27MAR01	0	TH
9065	Request K-H Authorization to Operate Under A-B	2	2	0	25JUN01	26JUN01	28MAR01	29MAR01	0	TH