

<div style="font-size: 2em; float: left; margin-right: 10px;">S</div> ENGINEERING CHANGE NOTICE	1 ECN 657431 Proj ECN
Page 1 of <u>2</u>	

2 ECN Category (mark one) Supplemental <input type="radio"/> Direct Revision <input checked="" type="radio"/> Change ECN <input type="radio"/> Temporary <input type="radio"/> Standby <input type="radio"/> Supersedure <input type="radio"/> Cancel/Void <input type="radio"/>	3 Originator's Name Organization MSIN and Telephone No D A Gantt, FFTF Proj Integration, N2-13, 376-4415 6 Project Title/No /Work Order No Advanced Reactors Transition & FFTF 9 Document Numbers Changed by this ECN (includes sheet no and rev) HNF-SD-FF-SSP-050, Rev 7	4 USQ Required? <input type="radio"/> Yes <input checked="" type="radio"/> No 7 Bldg /Sys /Fac No FFTF, 337B & 309 10 Related ECN No(s) N/A	5 Date January 10, 2000 8 Approval Designator N/A 11 Related PO No N/A
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12a Modification Work <input type="radio"/> Yes (fill out Blk 12b) <input checked="" type="radio"/> No (NA Blks 12b 12c 12d)	12b Work Package No NA	12c Modification Work Completed NA <hr/> Design Authority/Cog Engineer Signature & Date	12d Restored to Original Condition (Temp or Standby ECNs only) NA <hr/> Design Authority/Cog Engineer Signature & Date
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13a Description of Change This is a full revision which updates the FFTF portion of the RLS The following major changes are included - The FFTF Standby Work Breakdown Structure (WBS) is revised to split the Operations element into four pieces, Operations, Consumables, EDS Operations, and SOE Operations In addition, a new WBS element was created, without current budget, to collect costs for the human relations and industrial relations specialists who are being assigned directly to the projects, rather than in overheads - In various cost accounts, the resource allocation has been revised to better reflect actual requirements - The work breakdown structure information in section 2 provides the information required by HNF-PRO-518, <u>Work Breakdown Structure, Index, and Dictionary</u>	13b Design Baseline Document? <input type="radio"/> Yes <input checked="" type="radio"/> No
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14a Justification (mark one) Criteria Change <input checked="" type="radio"/> Design Improvement <input type="radio"/> Environmental <input type="radio"/> Facility Deactivation <input type="radio"/> As-Found <input type="radio"/> Facilitate Const <input type="radio"/> Const Error/Omission <input type="radio"/> Design Error/Omission <input type="radio"/>	14b Justification Details During the review and completion of Cost Estimate Input Sheets, a number of changes were identified to resource allocations, and to the WBS It was determined that implementation of these changes would better enable tracking project performance and costs Changes to the baseline were approved by BCR FFTF-00-02, which was approved 10/19/99 This revision updates the RLS to reflect those changes
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ENGINEERING CHANGE NOTICE

Page 2 of 2

1 ECN (use no from pg 1)

657431

16 Design Verification Required

☐ Yes
☒ No

17 Cost Impact

ENGINEERING

Additional ☐ \$ _____
Savings ☐ \$ _____

CONSTRUCTION

Additional ☐ \$ _____
Savings ☐ \$ _____

18 Schedule Impact (days)

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Delay ☐ _____

19 Change Impact Review Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13 Enter the affected document number in Block 20

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Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const Spec	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac Proc Samp Schedule	<input type="checkbox"/>	Tickler File	<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

20 Other Affected Documents (NOTE Documents listed below will not be revised by this ECN) Signatures below indicate that the signing organization has been notified of other affected documents listed below

Document Number/Revision

Document Number/Revision

Document Number/Revision

None

21 Approvals

Signature

Date

Signature

Date

Design Authority _____

Design Agent _____

Cog Eng D A Gantt *DAG* 1/11/00

PE _____

Cog Mgr R K Hulvey *RKH* 1/11/00

QA _____

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Safety _____

Safety _____

Design _____

Environ _____

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Other D B Klos *DBK* 1/11/00

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S

ADVANCED REACTORS TRANSITION PROGRAM RESOURCE LOADED SCHEDULE

D A Gantt
Fluor Hanford
Richland WA 99352
U S Department of Energy Contract DE-AC06-96RL13200

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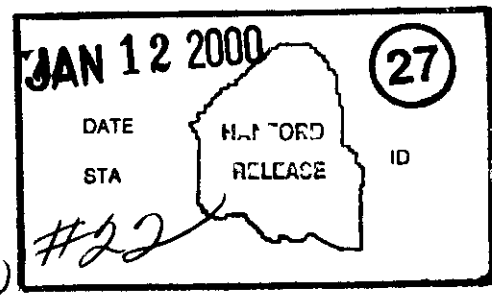
Resource, Loaded, Schedule, FFTF, RLS, Legacies, PRTR

Abstract The Advanced Reactors Transition (ART) Resource Loaded Schedule (RLS) provides a cost and schedule baseline for managing the project elements within the ART Program. The Fast Flux Test Facility (FFTF) activities are delineated through the end of FY 2000, assuming continued standby. The Nuclear Energy (NE) Legacies and Plutonium Recycle Test Reactor (PRTR) activities are delineated through the end of the deactivation process. This revision reflects the 19 Oct 1999 baseline.

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Bonnie Wallace 1/12/2000
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HNF-SD-FF-SSP-050 REV 8

**Document
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ADVANCED REACTORS TRANSITION PROGRAM RESOURCE LOADED
SCHEDULE

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1 0 EXECUTIVE SUMMARY

1 1 Mission

The Advanced Reactors Transition (ART) Program has two missions. One funded by DOE EM is to transition assigned surplus facilities to a safe and compliant low-cost stable deactivated condition (requiring minimal surveillance and maintenance) pending eventual reuse or D&D. Facilities to be transitioned include the 309 Building / Plutonium Recycle Test Reactor (PRTR) and Nuclear Energy Legacy facilities. This mission is funded through the Environmental Management (EM) Project Baseline Summary (PBS) RL-TP11 "Advanced Reactors Transition."

The second mission funded through budget requests submitted to the Office of Nuclear Energy Science and Technology (DOE-NE) is maintaining the Fast Flux Test Facility (FFTF), the Fuels and Materials Examination Facility (FMEF) and affiliated 400 Area buildings in a safe and compliant standby condition. This mission is to preserve the condition of the plant hardware, software, and personnel in a manner not to preclude a plant restart.

1 2 Scope

This revision of the Resource Loaded Schedule (RLS) is based upon the technical scope in the latest revision of the following project and management plans:

Fast Flux Test Facility Standby Plan (Reference 1)

Hanford Site Sodium Management Plan (Reference 2)

309 Building Transition Plan (Reference 4)

The technical scope, cost, and schedule baseline is also in agreement with the concurrent revision to the ART Fiscal Year (FY) 2000 Multi-Year Work Plan (MYWP), which is available in an electronic version (only) on the Hanford Local Area Network within the Hanford Data Integrator (HANDI) application.

1 2 1 Life Cycle

Transitioning the 309 Building to a safe and compliant low-cost stable deactivated condition requires that the facility be characterized through survey, sampling, and analysis; hazardous materials must be removed or stabilized; a structurally sound building envelope must be established; and the conditions must be documented to support future decontamination and disposal. This work will be accomplished on an area-by-area basis. At the conclusion of this process, the building will be turned over to the environmental restoration contractor.

Deactivation of the Nuclear Energy Legacy facilities requires that the alkali metals, sodium and sodium-potassium (NaK) alloy, be removed from the various test and development systems which were located around the site. At the end of FY 1999, all of this sodium and NaK had been removed and the test systems deactivated, except for those in the 300 Area 337 Building High Bay.

The Fast Flux Test Facility is in standby pending a decision on potential future mission options. In this state, maintenance will be performed to ensure the availability of the facility to accomplish any assigned mission, including shutdown, in a timely, cost-effective manner.

1 2 2 Execution Year

All assigned facilities will be maintained in a safe and compliant state through appropriate surveillance and maintenance activities.

The 309 Building deactivation activities in FY 2000 will be limited by funding constraints. The principal activity will be to begin the clean out of the Fuel Transfer Pit.

In the NE Legacy facilities, cleaning of the two tanks previously removed from 221-T will continue using the moist nitrogen vapor process.

The FFTF standby activities will focus on the following:

- Maintaining the "health of the facility" through the performance of appropriate preventive and corrective maintenance actions
- Preparing the redesign of the Solid Waste Cask to satisfy all applicable fuel handling requirements
- Acceptance testing of the Closed Loop Ex-vessel Machine (CLEM) new computer control system
- Installing the upgraded control system for the IEM Cell sodium removal system
- Verifying the capability to implement Y2K contingency plans
- Providing technical support for the Programmatic Environmental Impact Statement process

1.3 Work Breakdown Structure

The two missions have independent work breakdown structures as shown in Figures 1.1 and 1.2.

1.4 Schedule

The detailed schedules are shown in Appendix A. However, pictorial summaries of the subproject schedules are included in this section.

1.4.1 NE Legacies

The NE Legacies schedule is depicted in Figure 1.3.

1.4.2 PRTR/309 Building

The PRTR/309 Building schedule is depicted in Figure 1.4.

1.4.3 FFTF

The FFTF FY 1999 and 2000 standby schedule is depicted in Figure 1.5. The repair/upgrade of fuel handling equipment is shown to its completion.

1.4.4 RL Milestones

Figure 1.6 identifies all of the active RL milestones being pursued in FY 2000. TPA milestones, which are the subject of pending change requests, are identified in Section 3.0 but are not included in the FY 2000 baseline because of the FFTF being placed in Standby.

1.5 Cost Summary

Lifecycle costs for NE Legacies and PRTR/309 Building are identified in Table 1.1. This table also includes FY 1997 and FY 1998 EM funded costs for the FFTF. These are included for completeness of the Advanced Reactors Transition Project Baseline Summary (PBS RL-TP11) lifecycle costs.

FFTF standby costs are planned for FY 2000 only and total \$41,812K. In addition, laundry charges of \$98K are paid directly by RL holdback of appropriated project funds. These values are also presented in Table 1.2. A more detailed breakdown of the FFTF costs is provided in section 4. Costs beyond FY 2000 will be determined based on mission direction.

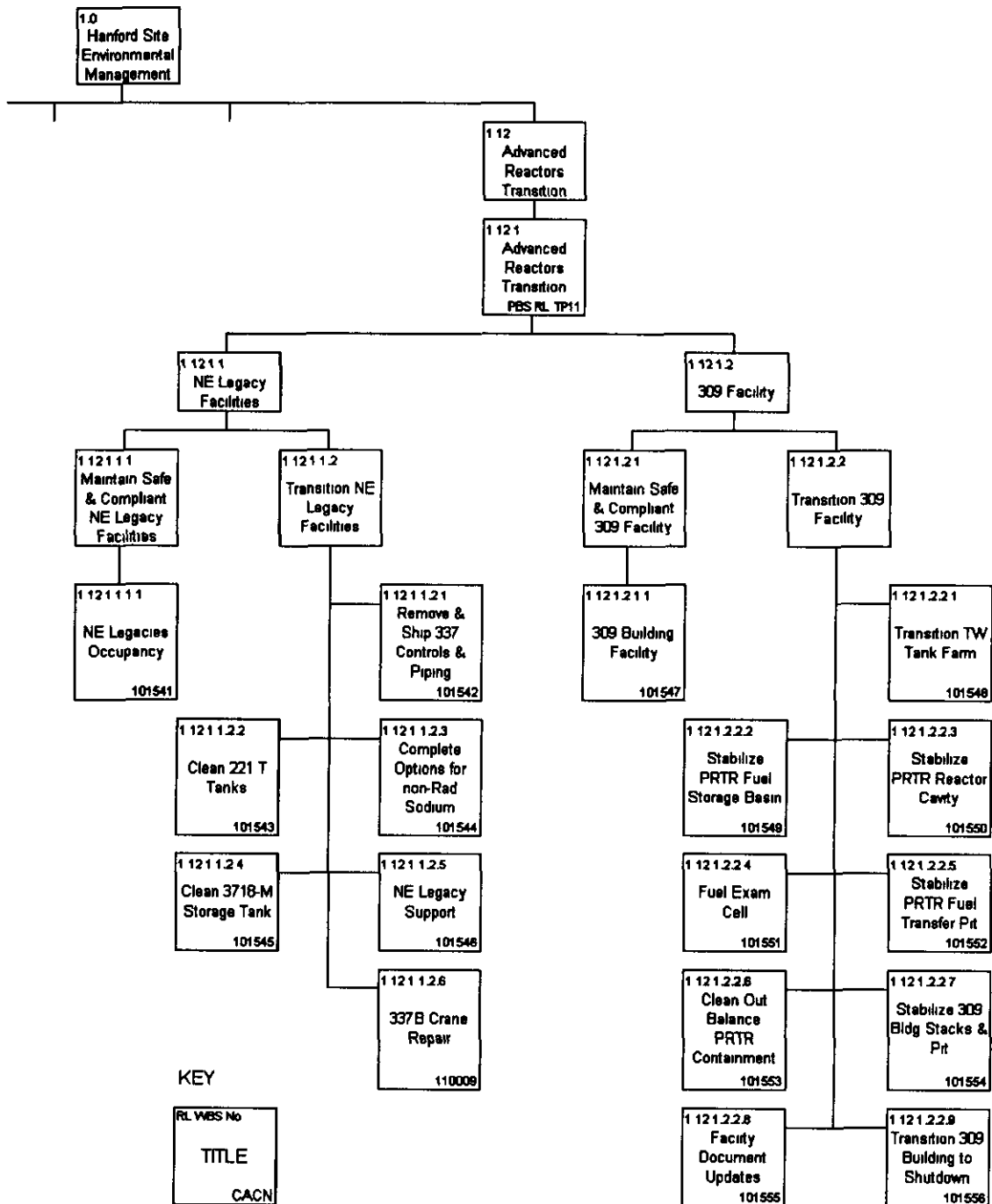


Figure 1 1 Advanced Reactors Transition (RL-TP11) Work Breakdown Structure

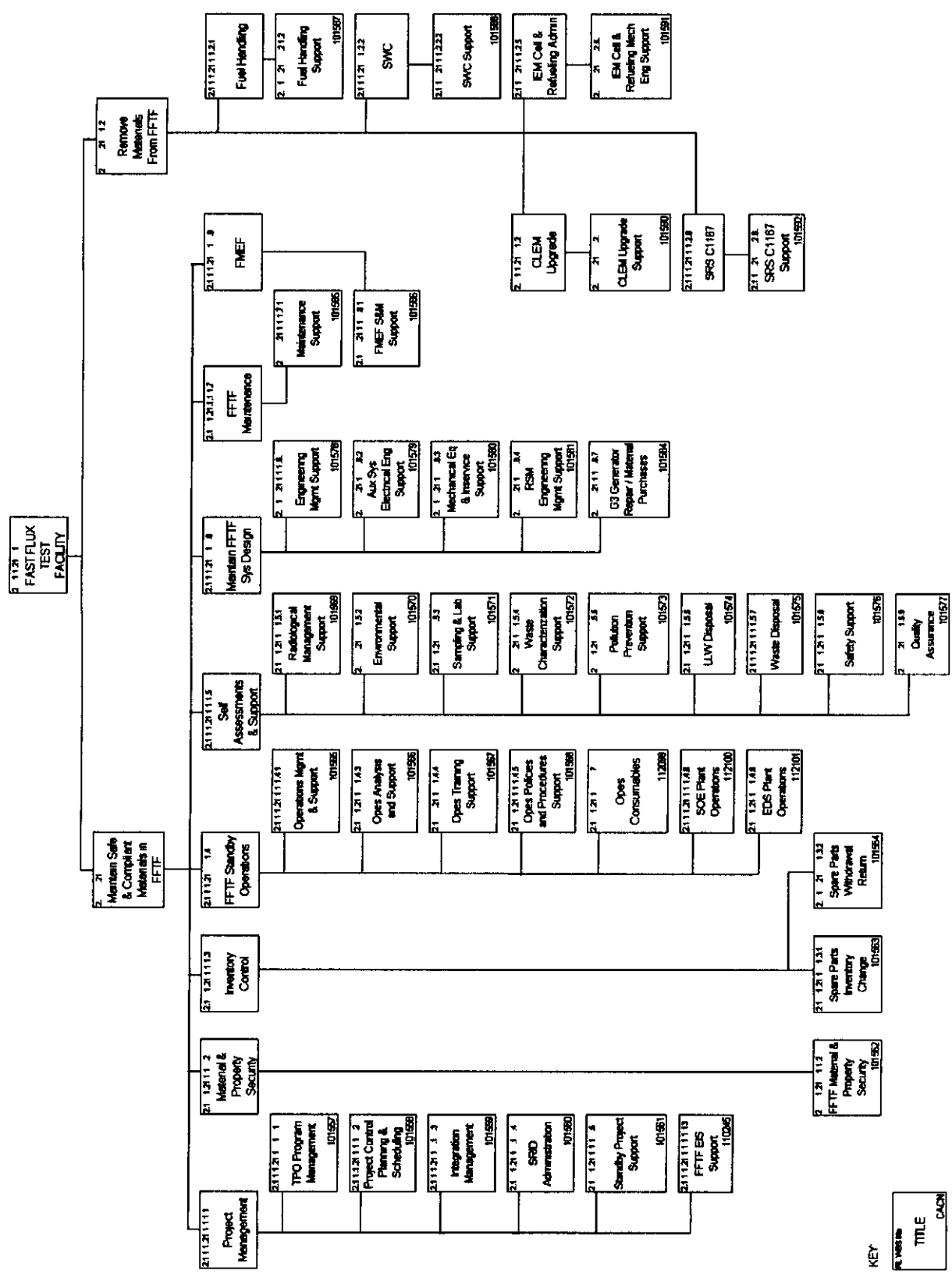
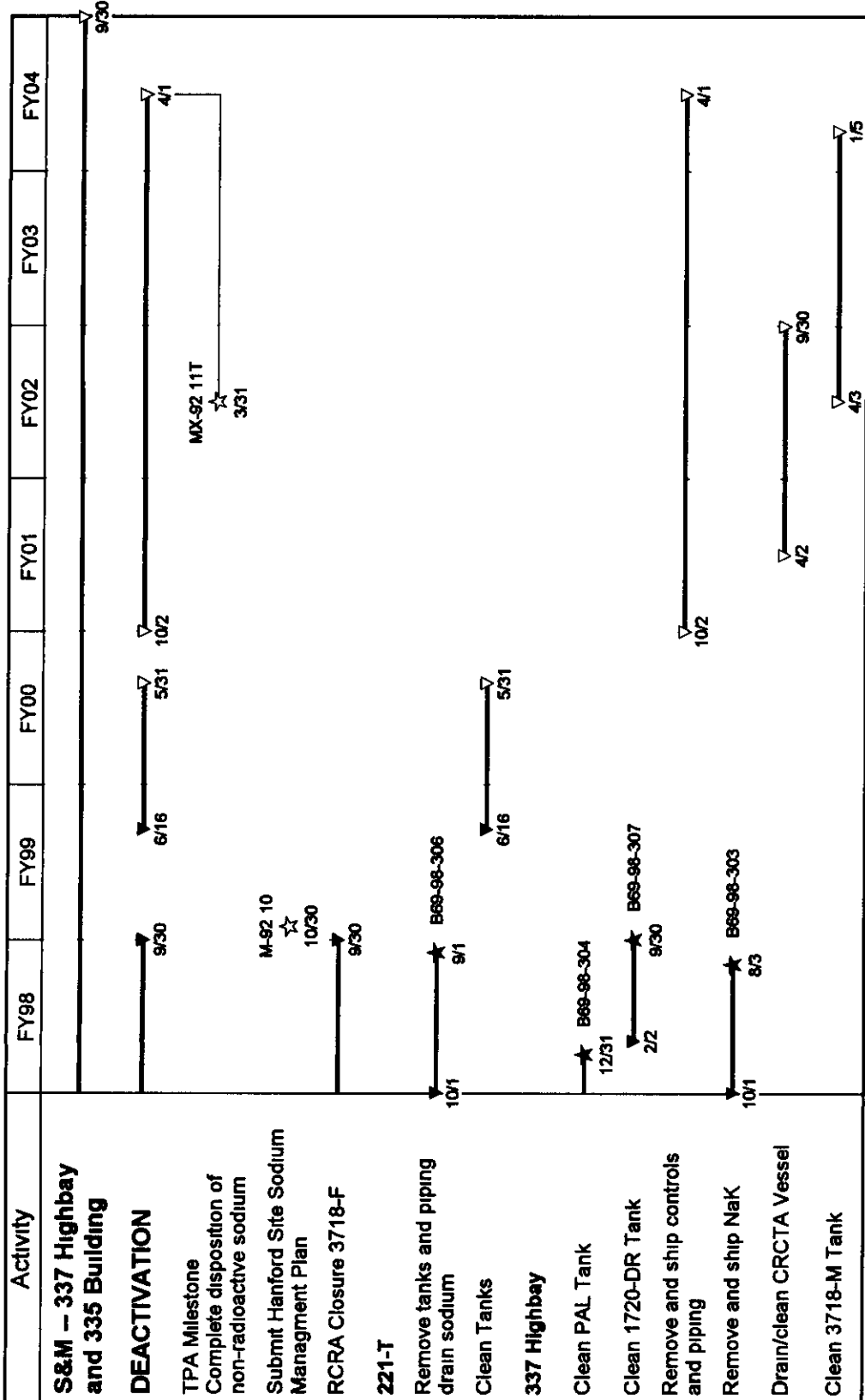


FIGURE 12 FFTF Work Breakdown Structure

KEY
FFTF
TITLE
CASH

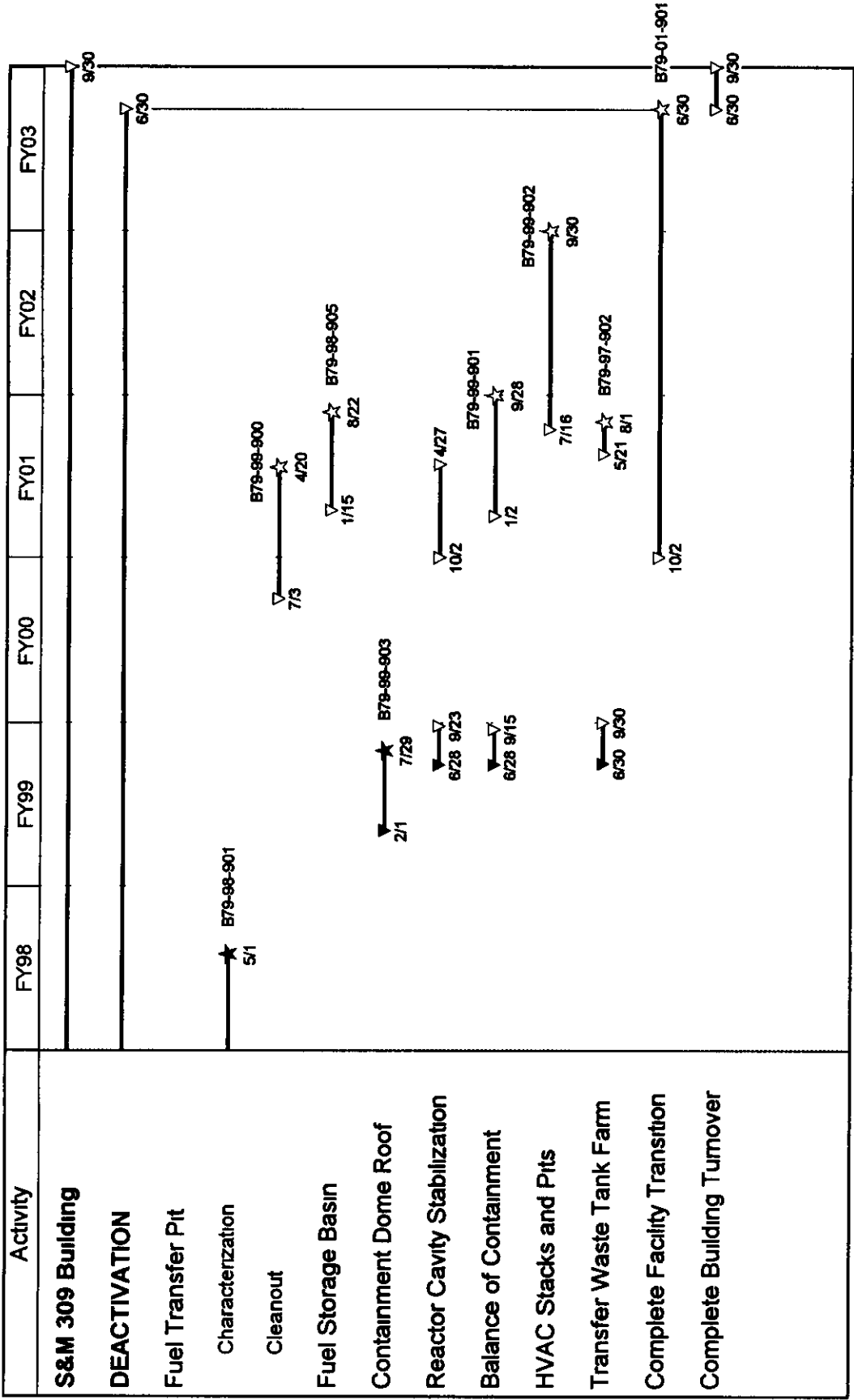
NE LEGACIES



FY2000RLSWELEGACY ML4

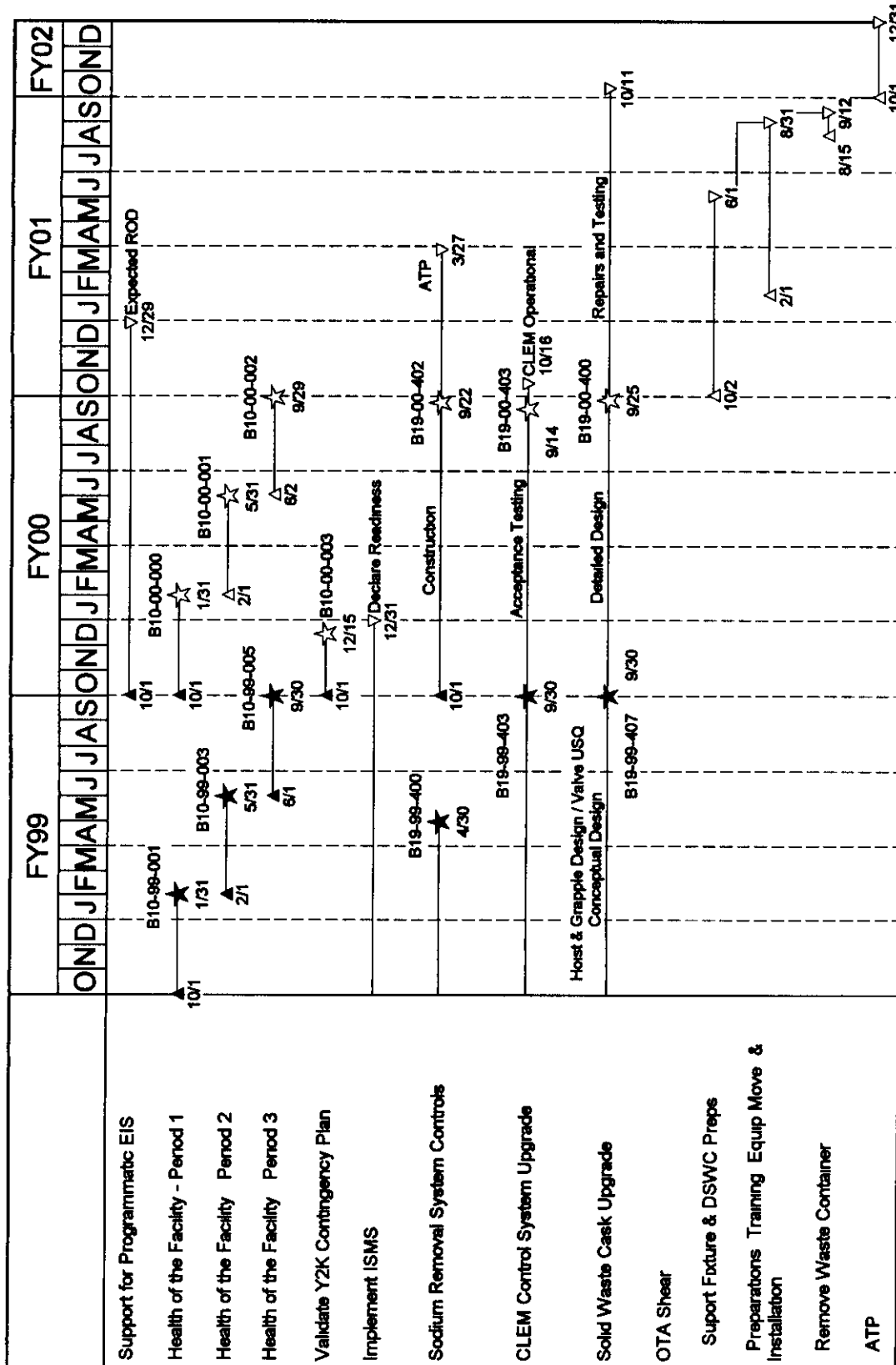
FIGURE 1 3 NE Legacies Summary Schedule

PRTR/309 BUILDING



FY1999IRLS/PRTR ML4

FIGURE 1 4 PRTR/309 Building Summary Schedule



ACTIVE RL MILESTONES - FY 2000

	FY00												FY01		
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Verify Contingency Plan for Y2K			☆ B10-00-003 12/15												
Health of the Facility Workphase 00-1				☆ B10-00-000 1/31											
Health of the Facility Workphase 00-2									☆ B10-00-001 5/31						
Acceptance Testing for CLEM Control System													☆ B19-00-403 9/14		
Sodium Removal System Control System Construction													☆ B19-00-402 9/22		
Definitive Design for Solid Waste Cask													☆ B19-00-400 9/25		
Health of the Facility Workphase 00-3														☆ B10-00-002 9/29	

FIGURE 1 6 RL Level Milestones

TABLE 1 1 ART (RL-TP11) LIFECYCLE COSTS BY FISCAL YEAR

	FY 1997 Actuals	FY 1998 Actuals	FY 1999 Actuals	FY 2000	FY 2001	FY2002	FY 2003	FY 2004	LIFE CYCLE
ART S&M									
NE Legacies	780	490	402	413	513	513	478	460	
309 Bldg	744	714	458	709	797	797	766		
TOTAL	1 524	1 204	860	1 122	1 310	1 310	1 244	460	9 437
ART Deactivation									
NE Legacies	1 813	1 214	84	86	1 265	1 286	596	528	6 857
309 Bldg	1 280	231	531	110	1 063	1 227	50	0	4 628
FFTF Costs	9 929	36 853							46 782
Escalation					71	150	109	77	407
PERFORMANCE BASELINE	14 546	39 502	1 475	1 318	3 709	3 973	1 999	1 065	68 111
RL Direct Funded			79	100	100	100	100	100	598
Escalation					2	4	6	9	21
TP11 TOTAL	14 546	39 502	1 554	1 418	3 811	4 077	2 105	1 174	68 730

TABLE 1 2 FFTF COSTS BY FISCAL YEAR

	FY 1997 Actuals	FY 1998 Actuals	FY 1999 Actuals	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	LIFE CYCLE
FFTF Costs	28,433		37,267	41,812	TBD	TBD	TBD	TBD	TBD
Escalation									
PERFORMANCE BASELINE	28,433		37,267	41,812					
Spare Parts Transfer	9,804								
RL Direct Funded			77	98					
Escalation									
NE TOTAL	38,237	0	37,344	41,910					

2 0 TECHNICAL BASELINE

2 1 Mission

The Advanced Reactors Transition (ART) Program has two missions. One funded by DOE EM is to transition assigned, surplus facilities to a safe and compliant, low cost, stable, deactivated condition (requiring minimal surveillance and maintenance) pending eventual reuse or D&D. Facilities to be transitioned include the 309 Building / Plutonium Recycle Test Reactor (PRTR) and Nuclear Energy Legacy facilities. This mission is funded through the Environmental Management (EM) Project Baseline Summary (PBS) RL-TP11 Advanced Reactors Transition.

The second mission, funded through the Office of Nuclear Energy Science and Technology (DOE NE), is maintaining the Fast Flux Test Facility (FFTF), the Fuels and Materials Examination Facility (FMEF), and affiliated 400 Area buildings in a safe and compliant standby condition. This mission is to preserve the condition of the plant hardware, software, and personnel in a manner not to preclude a plant restart.

2 1 1 Background

The Secretary of Energy announced a decision on January 15, 1997 (Reference 6) directing that the FFTF is to be maintained in a standby condition to permit the U.S. Department of Energy (DOE) to make a decision on whether the facility should play a future role in the DOE dual track tritium production strategy. A decision was announced in March 1999 that the FFTF would not be included in the tritium mission options. However, an additional study was directed to further evaluate alternative missions to produce medical and other isotopes. On August 18, 1999, the Secretary of Energy announced that an EIS would be developed to consider the operation of the FFTF for isotope production. Notice of the intent to conduct a programmatic EIS was published in the Federal Register on September 15, 1999.

Direction to implement the FFTF Standby Program was provided from the DOE Richland Operations Office (RL) by Reference 7 and forwarded by the Project Hanford Management Contractor for action by Reference 8. The previous DOE directives (Reference 9 and Reference 10) regarding the shutdown of the FFTF are deferred by this decision.

The FFTF Standby Plan (Reference 1) defines the implementation of the DOE standby directives by the FFTF. The prior FFTF Stabilization Project Plan (Reference 11) has been placed on hold and was superseded by the issuance of the Standby Plan.

2 2 Scope

This revision of the RLS is based upon the technical scope in the latest revision of the following project and management plans:

Fast Flux Test Facility Standby Plan (Reference 1)

Hanford Site Sodium Management Plan (Reference 2)

309 Building Transition Plan (Reference 4)

The technical scope, cost, and schedule baseline is also in agreement with the concurrent revision to the ART Fiscal Year (FY) 2000 Multi-Year Work Plan (MYWP).

2 2 1 NE Legacies

The Nuclear Energy Legacy subproject will disposition the alkali metal test loops which were utilized in the development of liquid metal reactor systems technology. This subproject has been in progress since 1995 when Environmental Assessment Disposition of Alkali Metal Test Loops, Hanford Site, Richland, Washington, DOE/EA-0987 was issued.

Remaining scope to be accomplished is

- Drain and clean the Composite Reactor Component Test Activity (CRCTA) which contains an estimated 2 800 gallons of sodium
- Clean the two previously drained sodium tanks from 221-T
- Clean the previously drained 3718-M sodium storage tank
- Clean the NaK residuals from the cold trap cooling system
- Disposition sodium wetted piping and components such as valves from 337B based on the FFTF mission decision
- Remove and disposition the 337B Highbay cold trap

NE Legacy objectives in FY 2000 are

- Provide surveillance and maintenance of the 337B Highbay 3718M storage tank building and 335 Building
- Clean the two previously drained sodium tanks from 221 T

2 2 2 309 Building/PRTR

The 309 Building/PRTR subproject will stabilize the facility and configure it to require minimum surveillance and maintenance pending final decommissioning and demolition. This will involve sampling and characterization of the facility, removal and disposal of hazardous materials, and stabilization of residual contaminants. Specific activities remaining to be completed include

- Stabilize the Transfer Waste Tanks and associated equipment
- Stabilize the fuel storage basin
- Stabilize the PRTR reactor cavity
- Stabilize the fuel transfer pit
- Clean out the balance of the containment
- Stabilize the HVAC stack and filter pit
- Upgrade the roof on the office/shop sections of the building to a sound condition
- Complete turnover documentation and files

309 Building/PRTR objectives for FY 2000 are

- Perform surveillance and maintenance of the 309 Building
- Initiate cleanout and stabilization of the fuel transfer pit

2 2 3 FFTF

The FFTF, being in a standby condition, has only the current year scope defined. The life cycle scope will be determined based on the DOE record of decision expected in December 2000.

Near term FFTF objectives include

- Maintain the health of the facility by performing scheduled preventive maintenance and prioritized corrective maintenance
- Restore on-site back up AC power generation capability
- Complete the design for the Solid Waste Cask (SWC) repair. Restore the SWC to operable status in FY 2001
- Complete CLEM control system upgrade acceptance testing field work
- Complete the installation of upgrades to the Sodium Removal System controls, control panel C 1167
- Support the DOE Programmatic Environmental Impact Statement (PEIS) process by providing requested planning information

2 3 Assumptions

- The FFTF will remain in standby throughout FY 2000. Should the DOE issue a mission decision, necessary changes will be implemented by BCR.
- Tri-Party Agreement (TPA) milestones related to the FFTF have been placed in abeyance per approved TPA Change Request M-81-98-01. This change was approved August 24, 1999 and will be implemented by the project by BCR.

- The Hanford Site sodium related TPA milestones will be placed in abeyance also, per pending TPA change request

2.4 Work Breakdown Structure

The separate budgeting processes for the two missions result in two separate and independent work breakdown structures. The NE Legacies and the 309 Building/PRTR being EM activities are a part of the Hanford Site Environmental Management work breakdown structure. The FFTF scope being budgeted from DOE-NE is classified as "work for others" and is therefore grouped as a part of the work breakdown structure.

Figure 2.1 shows the EM work scope under PBS RL-TP11.

Figure 2.2 shows the FFTF Work Breakdown Structure starting at the FFTF level. The levels above FFTF are:

2	Work for Others
2.01	Headquarters (HQ)
2.01.01	PHMC
2.01.01.01	BWHC
2.01.01.01.21	Non-EM
2.01.01.01.21.01	FFTF Project

2.4.1 Work Breakdown Structure Dictionary

Each level of the work breakdown structures owned by ART is defined in the pages following the Work Breakdown Structure figures.

2.4.2 Responsibility Assignment Matrix

Table 2-1 designates the manager responsible for each element of the work breakdown structure.

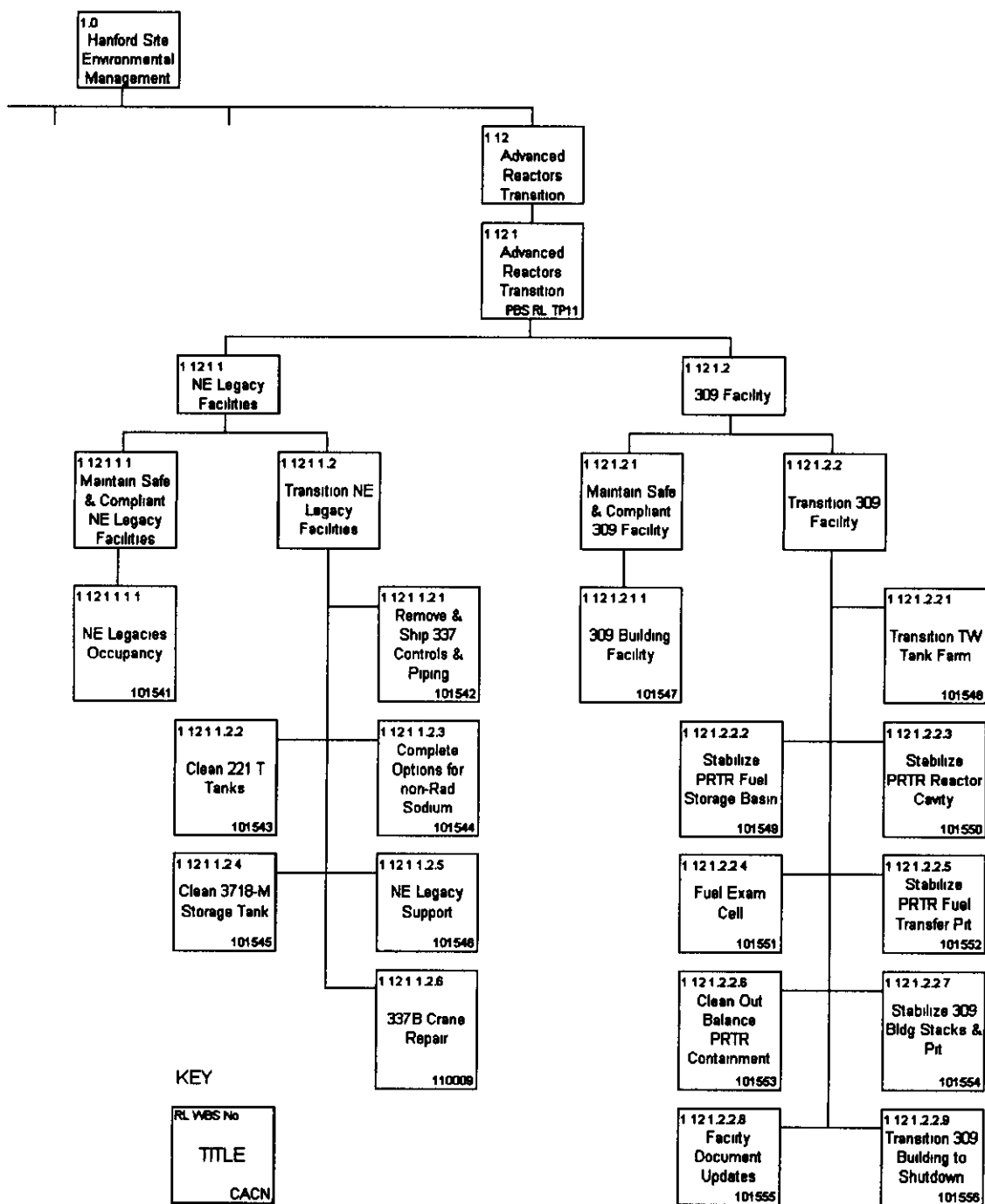


Figure 2.1 Advanced Reactors Transition (RL-TP11) Work Breakdown Structure

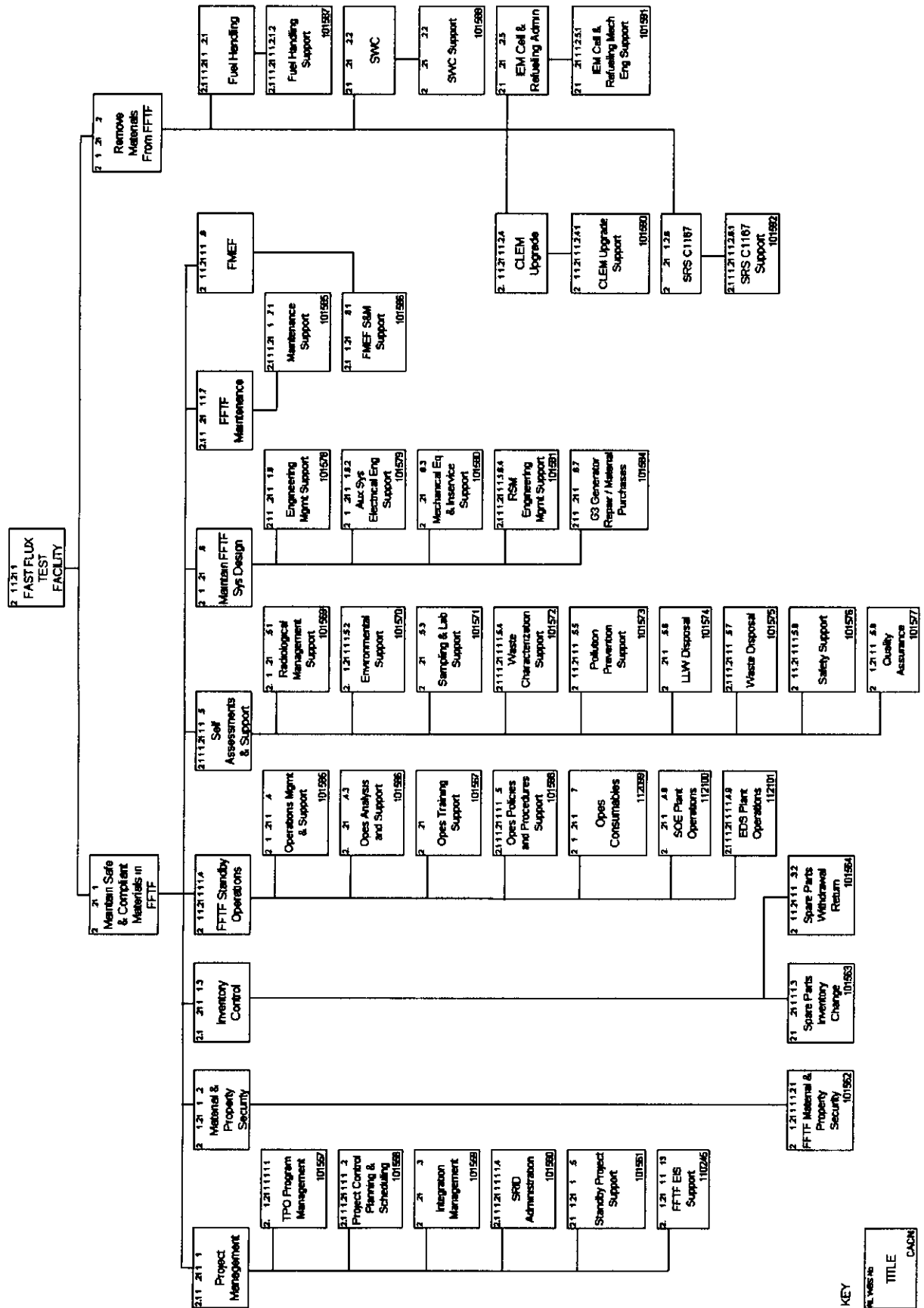


FIGURE 2.2 FFTF Work Breakdown Structure

Hanford Site Work Breakdown Structure Dictionary
Advanced Reactors Transition
WBS 1 12

Activity Title		Date	PBS Number	Dictionary Rev
Advanced Reactors Transition		8/31/98	RL-TP11	1
WBS Number	Baseline CR No	Organization Code	B&R Number	
1 12 1		18000	EX04J102	
Scope of Work				
Advanced Reactors Transition maintains and performs deactivation of the NE Legacy Facilities and the 309 Building/Plutonium Recycle Test Reactor (PRTR) Maintaining these facilities will ensure safe and compliant operation of assigned facilities in the Hanford 300 Area Deactivation activities will reduce the Hanford site mortgage associated with surplus facilities and may also contribute to the economic transition objectives by making facilities such as the 337 High Bay available for alternative usage				

**Hanford Site Work Breakdown Structure Dictionary
Advanced Reactors Transition
WBS 1 12**

Activity Title		Date	PBS Number	Dictionary Rev
NE Legacy Facilities		8/31/98	RL-TP11	0
WBS Number	Baseline CR No	Organization Code	B&R Number	
1 12 1 1		18200	EX04J102	
Scope of Work				
<p>Maintain and perform deactivation of the NE Legacy Facilities These facilities used in the development of sodium system technology for design and operation of the Fast Flux Test Facility include the 335 Building the 3718M Building and the 337 High Bay all located in the southeast section of the 300 Area</p> <p>Sodium test systems in the 335 Building have been dismantled and the facility is being used for storage and staging of materials and equipment associated with the NE Legacy Facilities The 3718M Building is a storage tank enclosure containing a 45 000 gallon tank This tank has been drained of the bulk sodium and is held under inert gas blanket pending final cleaning of sodium residuals The 337 High Bay contains a developmental sodium test loop and partial FFTF reactor vessel mock up containing an estimated 2 800 gallons of metallic sodium</p>				

Hanford Site Work Breakdown Structure Dictionary

Advanced Reactors Transition

WBS 1 12

Activity Title		Date	PBS Number	Dictionary Rev				
Maintain Safe & Compliant NE Legacy Facilities		8/31/98	RL-TP11	0				
WBS Number	Baseline CR No	Organization Code	B&R Number					
1 12 01 01 01		18200	EX04J102					
Scope of Work								
<p>Provide building management and operation for the 335 337 High Bay and 3718 M buildings and the sodium systems located in Building 337 High Bay basement and Building 3718M Provide electrical power and electrical maintenance for buildings 335 3718M and 337 High Bay Provide steam for the 337 High Bay through RL holdback of funds for "energy savings performance contract " Provide inert gas for sodium system protection Provide building emergency organization support for buildings containing sodium</p> <p><u>Current Year Work</u> Surveillance and maintenance activities as described above will be performed</p> <p><u>Out year Planning</u> Surveillance and maintenance activities as described above will be required until deactivation of the NE Legacy facilities is completed</p> <p>This WBS covers work necessary to support satisfying the following technical baseline requirements for the Hanford clean up mission 300 Area facilities shall be surveilled and maintained within the approved safety envelope</p> <p>Key documents used for allocating Site requirements to this WBS include</p> <table style="width: 100%;"> <tr> <td style="width: 20%;">Name</td> <td>Title</td> </tr> <tr> <td>DOE/RL-96-92</td> <td>Hanford Strategic Plan</td> </tr> </table>					Name	Title	DOE/RL-96-92	Hanford Strategic Plan
Name	Title							
DOE/RL-96-92	Hanford Strategic Plan							

**Control Account Dictionary
Advanced Reactors Transition
WBS 1 12**

Title			Date	PBS Number	Dictionary Rev
NE Legacies Occupancy			9/29/98	RL TP11	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Cod	B & R No
1 12 1 1 1 1	1B1C11	101541		18200	EX04J102
Scope of Work					
<p>Provide Landlord services for the Building 337 Highbay and buildings 335 and 3718M</p> <p>Provide building management and operation for the 335 337 Highbay and 3718 M buildings and the sodium systems located in Building 337 Highbay basement and Building 3718M Provide electncal power and electncal maintenance for buildings 335 3718M and 337 Highbay Provide inert gas for sodium system protection Provide building emergency support for buildings containing sodium Wnte Auditable Safety Analysis for 337 Highbay Ship drummed sodium and NaK vessels to commercial vendor or treatment center Consolidate all remaining NE Legacies nonradioactive sodium in 337 highbay</p> <p>Provide steam for the 337 Highbay through RL holdback of funds for energy savings performance contract (Note This cost is not included in the Cost Target)</p> <p>This scope includes an apportioned share of PHMC fee associated with NE Legacies work scope</p>					
Deliverables/Milestones (Item/Date)					
Annual update of the Building Administration Manual – 9/30/00					
Cost Target (Thousands of dollars)					
\$413					
Project Manager			Control Account Manager		
R K Hulvey			W F Brehm		

Hanford Site Work Breakdown Structure Dictionary

Advanced Reactors Transition

WBS 1 12

Activity Title		Date	PBS Number	Dictionary Rev
Transition NE Legacy Facilities		8/31/98	RL-TP11	0
WBS Number	Baseline CR No	Organization Code	B&R Number	
1 12 01 01 02		18200	EX04J102	
Scope of Work				
Provide management technical lead and coordination for the disposition of the non-reactor NE facilities				
<p>The scope of this effort includes development and implementation of the plans to eliminate NE programs legacies implementation of the Sodium Management Plan reflecting coordination with DOE and WA Ecology and addressing potential RCRA issues and applicability disposition of excess material associated with these facilities Approximately 50 000 gallons of alkali metal must be dispositioned from various test loops and storage tanks These include a 5 000 gallon tank in the 100 DR area the Containment Systems Test Facility in the 200 West area and in the 300 Area a 50 000 gallon storage tank two small test loops and the Composite Reactor Test Activity which contains an estimated 3 000 gallons of sodium</p>				
Current Year Work				
<p>Only about 3 000 gallons of this sodium remains to be dispositioned and all of it is in the 337-B high bay or the 3718-M drain tank During FY 2000 the residual sodium will be cleaned from the 221 T storage tanks and the sodium wetting station The systems will be established in a safe laid-up condition pending priority to complete cleanout of the Composite Reactor Component Test Activity and the associated piping and the 3718-M drain tank residuals</p>				
Out year Planning				
<p>The High Temperature Sodium Facility including the Composite Reactor Component Test Activity (CRCTA) its cold trap and interconnecting piping must be dispositioned The piping will be removed cut up packaged and shipped off site for disposal The CRCTA vessel will be drained if necessary before it and the 3718-M storage tank are cleaned in place to remove sodium residuals The cold trap will be removed and dispositioned This work is estimated to require about 3-1/2 years to complete</p>				
<p>This WBS covers work necessary to support satisfying the following technical baseline requirements for the Hanford clean up mission</p> <ul style="list-style-type: none">- Disposal of Alkali Metal Test Loops will comply with DOE/EA-0987High cost surplus facilities and systems shall be transitioned to a low cost stable deactivated conditionFacilities and systems shall be made available for other usesComplete acquisition of new facilities modification of existing facilities and/or modification of planned facilities necessary for the storage treatment/processing and disposal of Hanford Site Sodium (Na) [Due Date TBD]- TPA Milestone M 92-10 Submit Hanford Site sodium project management plan (PMP) to Ecology pursuant to agreement action plan section 11 5 [Due Date October 1998]Complete disposition options for all Hanford non radioactive sodium [Due Date 3/31/2002] <p>Key documents used for allocating Site requirements to this WBS include</p>				
Name		Title		
DOE/EA-0987		Disposition of Alkali Metal Test Loops Hanford Site Richland Washington		
DOE/EIS-0222D		Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive		
		Land Use Plan		
DOE/RL-89-10		Hanford Federal Facility Agreement and Consent Order (Tri Party Agreement) Revision 5		
DOE/RL-96-92		Hanford Strategic Plan		

Control Account Dictionary
Advanced Reactors Transition
WBS 1 12

Title			Date	PBS Number	Dictionary Rev
Clean 221-T Tanks			9/27/99	RL-TP11	0
WBS Number	CAP Number	CACN	Baseline C	Organization Code:	B & R No
1 12 1 1 2 2	1B1C22	101543		18200	EX04J102
Scope of Work					
<p>This scope relates to two sodium storage tanks previously removed from 221-T Building during deactivation of the Containment Systems Test Facility The bulk sodium has been drained from these tanks and shipped off site</p> <p>Clean the sodium residuals from the two tanks using the moist nitrogen vapor process Concentrated caustic will be removed and used as product The final rinse water will be sampled and verified acceptable for disposal through the 300 Area process sewer</p> <p>The two tanks will be empty, clean, and in condition for excess or reuse</p>					
Deliverables/Milestones (Item/Date)					
<p>The two tanks will be empty, clean, and in condition for excess or reuse</p>					
Cost Target (Thousands of dollars)					
\$86					
Project Manager			Control Account Manager		
R K Hulvey			W F Brehm		

Hanford Site Work Breakdown Structure Dictionary Advanced Reactors Transition WBS 1 12

Activity Title		Date	PBS Number	Dictionary Rev
309 Facility		8/31/98	RL-TP11	0
WBS Number	Baseline CR No	Organization Code	B&R Number	
1 12 1 2		19100	EX04J102	
Scope of Work				
<p>The PRTR/309 Building work scope includes the surveillance and operation of the facility subject to DOE Orders and federal codes for radiological facilities. The deactivation and compliance activities prepare the building for acceptance by EM-40 for long-term surveillance and maintenance pending decontamination and decommissioning. Activities will dispose of equipment, components and waste products associated with the PRTR reactor systems including all nonessential systems (e.g. heating ventilating and air conditioning (HVAC) electrical distribution monitoring and fluid) which will be shutdown and drained or de-energized. The process laboratory, and office areas of the facility will be secured to convert the facility to a minimum safe S&M condition for turnover to an ERC for long-term interim surveillance preparatory to a final D&D phase.</p>				

Hanford Site Work Breakdown Structure Dictionary

Advanced Reactors Transition

WBS 1 12

Activity Title		Date	PBS Number	Dictionary Rev
Maintain Safe & Compliant 309 Facility		8/31/98	RL-TP11	0
WBS Number	Baseline CR No	Organization Code	B&R Number	
1 12 01 02 01		19100	EX04J102	
Scope of Work				
Provides building administration, building operations maintenance and safety analysis				
Building administration includes work management using the JCS system lock and tag administration, property protection emergency planning facility access control facility orientation and maintenance of the shutdown log				
Building operations includes paying utility bills maintaining safe conduct of operations and surveillance Surveillance includes routine radiation protection surveys operations checks housekeeping and safety inspections and compliance assurance				
Maintenance includes preventive and corrective maintenance activities to ensure the building s safety envelope is adequate during the transition activities It also includes input into the maintenance section of the building s D&D plan				
Current Year Work				
Surveillance and maintenance activities as described above will be performed				
Out-year Planning				
Surveillance and maintenance activities as described above will be required until deactivation of the 309 Facility is completed				
This WBS covers work necessary to support satisfying the following technical baseline requirements for the Hanford clean up mission				
- South 600 Area gaseous effluent releases shall be monitored				
- 300 Area facilities shall be surveilled and maintained within the approved safety envelope				
-				
Key documents used for allocating Site requirements to this WBS include				
Name		Title		
DE-AC06-96RL13200		Project Hanford Management Contract, Fluor Daniel Hanford, Inc		
DOE/RL-96-92		Hanford Strategic Plan		

**Control Account Dictionary
Advanced Reactors Transition
WBS 1 12**

Title			Date	PBS Number	Dictionary Re
309 BUILDING FACILITY			9/29/98	RL-TP11	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
1 12 1 2 1 1	1B1D01	101547		19100	EX04J102
Scope of Work					
<p>S&M activities include building administration building operations maintenance and safety analysis</p> <p>Building administration consists of work management using the Job Control System (JCS) lock and tag administration property protection emergency planning facility access control personnel training and facility orientation</p> <p>Building operations consists of utility assessments, management assessments, procedure maintenance maintaining safe conduct of operations, and surveillance Surveillance includes routine radiation protection surveys operations checks, housekeeping and safety inspections exhaust stack periodic confirmatory sampling and compliance assurance</p> <p>Maintenance includes preventive and corrective maintenance activities to ensure the building's safety envelope is adequate during the transition activities It also includes input into the maintenance section of the building's D&D plan</p> <p>This scope includes an apportioned share of PHMC fee associated with PRTR work scope</p>					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$709					
Project Manager			Control Account Manager		
R K Hulvey			I L Metcalf		

Hanford Site Work Breakdown Structure Dictionary

Advanced Reactors Transition

WBS 1 12

Activity Title		Date	PBS Number	Dictionary Rev								
Transition 309 Facility		8/31/98	RL-TP11	0								
WBS Number	Baseline CR No	Organization Code		B&R Number								
1 12 1 2 2		19100		EX04J102								
Scope of Work												
<p>Deactivation activities to be accomplished include disposition of the underground emergency diesel fuel oil tank, characterize, cleanout and stabilize the Transfer Waste Tank farm, the Rupture Loop Annex, the Fuel Storage Basin the Fuel Examination Cell the Fuel Transfer Basin and Fuel Transfer Pit, the PRTR reactor cavity and the containment building configure surveillance lighting, replace the H&V system HEPA filters characterize clean out and shutdown the 309-PRTR stack disconnect and cap sanitary and process sewer lines remove asbestos bearing coatings from the external surface of the dome and stabilize other friable asbestos materials and upgrade the roof on other parts of the building Completion reports will be prepared for key activities</p> <p>The facility Safety Basis document will be formatted in the Auditable Safety Analysis style to be consistent with the graded approach philosophy of a radiological facility rather than a nuclear facility</p> <p><u>Current Year Work</u></p> <p>309 Building efforts in FY 2000 will focus on clean out of the Reactor Cavity and beginning clean-out of the Fuel Transfer Pit The "309 Facility Deactivation and Decommissioning Criteria Completion Check Lists " WHC-SD-NEL-RD-001 will be maintained current with the ERC as progress continues toward final deactivation and turnover</p> <p><u>Out-year Planning</u></p> <p>Clean out, characterization and stabilization will continue on an area-by-area basis This is scheduled to complete the transition checklist for turnover to the ERC in another 3-years</p> <p>This WBS covers work necessary to support satisfying the following technical baseline requirements for the Hanford clean up mission</p> <ul style="list-style-type: none">- High cost surplus facilities and systems shall be transitioned to a low cost stable deactivated condition- Facilities and systems shall be made available for other uses- Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission- The Contractor shall safely and efficiently manage the deactivation of the 309 Building and associated facilities in the 300 Area whose mission was the space power program The program will disposition nuclear material in these facilities As the material is removed, each facility will be deactivated to reduce risk and attain the lowest surveillance and maintenance cost to a condition ready for disposition- The contractor shall clean-up the nuclear waste and stabilize the 309 Building and surrounding area such that the closure of the 309 Building can be accomplished- <p>Key documents used for allocating Site requirements to this WBS include</p> <table><tr><th>Name</th><th>Title</th></tr><tr><td>DE-AC06-96RL13200</td><td>Project Hanford Management Contract, Fluor Daniel Hanford Inc</td></tr><tr><td>DOE/EIS-0222D</td><td>Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan</td></tr><tr><td>DOE/RL-96-92</td><td>Hanford Strategic Plan</td></tr></table>					Name	Title	DE-AC06-96RL13200	Project Hanford Management Contract, Fluor Daniel Hanford Inc	DOE/EIS-0222D	Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan	DOE/RL-96-92	Hanford Strategic Plan
Name	Title											
DE-AC06-96RL13200	Project Hanford Management Contract, Fluor Daniel Hanford Inc											
DOE/EIS-0222D	Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan											
DOE/RL-96-92	Hanford Strategic Plan											

Control Account Dictionary Advanced Reactors Transition WBS 1 12

Title		Date	PBS Number	Dictionary Rev
Stabilize PRTR Fuel Transfer Pit		9/27/99	RL-TP11	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code: B & R No
1 12 1 2 2 5		101552		19100 EX04J102
Scope of Work				
<p>Survey and characterize the fuel transfer pit. As necessary, remove loose material and contamination, dispose of contaminated materials. Document the final condition of the fuel transfer pit.</p> <p>The fuel transfer pit characterization was completed in 1998. (See HNF-2371)</p> <p>The areas documented by the report are the Fuel Transfer Pit (FTP) and Fuel Storage Basin (FSB). The FTP has had all fuel handling equipment removed. The FTP has some debris on the floor, with minor pieces of equipment left in it. It also has an estimated 95 L (25 gal) of water on the floor and in its drainpipe. The associated Hoist Pit still contains the motor, hoist spool, and cable used to transfer fuel between the FTP and the FSB.</p> <p>Radiological Summary - the FTP has varying amounts of smearable contamination. There is 8.0 mR/hr dose at the FTP floor. The most common isotope is ¹³⁷Cs, which was seen in virtually every sample. ⁹⁰Sr was found in every sample taken in the FTP, indicating the room was probably not washed down after equipment removal. The FTP has an associated Hoist Pit that was opened up and characterized. It contains a cable hoist and the cable. This little pit is also contaminated with ¹³⁷Cs and ⁹⁰Sr. Contamination was concentrated on the wire cable and reel.</p> <p>Chemical Summary - The FTP has about 1/2" to 1" of water on the floor with sludge underneath it. The water is not regulated under RCRA, but the sludge is regulated for lead (Pb) under RCRA. Beryllium was not detected in the FTP sludge or water.</p> <p>Recommendation - The FTP needs to be drained and cleaned. Contamination stabilization is not recommended since this space is so inaccessible.</p>				
Deliverables/Milestones (Item/Date)				
Drain and clean the FTP. (This scope is projected to continue into FY 2001)				
Cost Target (Thousands of dollars)				
110 (FY 2000 only)				
Project Manager		Control Account Manager		
R K Hulvey		I L Metcalf		

Hanford Site Work Breakdown Structure Dictionary
FFTF Project
WBS 2 01 01 01 21 01

Activity Title		Date	PBS Number	Dictionary Rev
FFTF Project		8/31/98	MS01	0
WBS Number	Baseline CR No	Organization Code	B&R Number	
2 01 01 01 21 01		18000	AF79	
Scope of Work				
<p>The Fast Flux Test Facility (FFTF) Project is responsible to maintain the FFTF and support facilities in a safe and compliant condition. The condition of the plant hardware, software, and personnel will be preserved in a manner not to preclude a plant restart.</p> <p>Maintain the Fast Flux Test Facility and associated facilities in a standby condition while an evaluation is conducted of any future role that the facility might have in the Department's isotope production strategies.</p> <p>The surveillance and maintenance (S&M) of facilities and plant systems will be performed to comply with federal and state safety requirements. In the standby condition, S&M of the FFTF shall have additional objectives to ensure that there is (a) no degradation of key plant systems, (b) retention of the authorization basis and configuration control, (c) maintenance of key staffing, qualifications, and training.</p> <p>In addition, deactivation activities continue consistent with maintaining standby, such as cleaning and storing of spent fuel and other reactor components, maintaining equipment required for deactivation, and completing the planning necessary to resume an orderly transition to shutdown (if appropriate).</p>				

Hanford Site Work Breakdown Structure Dictionary
FFTF Project
WBS 2 01 01 01 21 01

Activity Title		Date	PBS Number	Dictionary Rev
FFTF		8/31/98	MS01	0
WBS Number	Baseline CR No	Organization Code	B&R Number	
2 01 01 01 21 01 01		18000	AF79	
Scope of Work				
<p>The Fast Flux Test Facility (FFTF) located in the 400 Area includes the FFTF reactor facility the Fuels and Materials Examination Facility (FMEF) and supporting facilities Work included in this scope includes maintaining safe and complaint material (control of nuclear materials) and removing nuclear materials from the FFTF</p> <p>Once the FFTF has completed any future operational mission and is directed to be shutdown, additional activities, consistent with the "post-operations" phase of the lifecycle will be performed These activities will include the functions of maintaining safe and compliant facilities and transitioning the FFTF to a shutdown condition</p>				

Hanford Site Work Breakdown Structure Dictionary
FFTF Project
WBS 2 01 01 01 21 01

Activity Title		Date	PBS Number	Dictionary Rev				
Maintain Safe & Compliant Materials in FFTF		8/31/98	MS01	0				
WBS Number	Baseline CR No	Organization Code	B&R Number					
2 01 01 01 21 01 01 01		18000	AF79					
Scope of Work								
<p>This WBS maintains the Fast Flux Test Facility and associated facilities in a standby condition while an evaluation is conducted of any future role that the facility might have in the Department's isotope production strategy</p> <p>The surveillance and maintenance (S&M) of facilities and plant systems will be performed to comply with federal and state safety requirements. Activities will include required project planning and management, operation and monitoring of plant systems and components, monitoring of regulated effluent streams, safeguarding nuclear materials, maintaining the design of the FFTF plant systems and components, and maintaining equipment and systems operational. In the standby condition, S&M of the FFTF shall have additional objectives to ensure that there is (a) no degradation of key plant systems, (b) retention of the authorization basis and configuration control, (c) maintenance of key staffing qualifications, and training.</p> <p>Program planning activities include the preparation of budget documents, program plans, and schedules. Performance to these plans and schedules will be monitored and managed.</p> <p>Support will be provided to the preparer of the Environmental Impact Statement for operation of the Fast Flux Test Facility.</p> <p><u>Current Year Work</u> Surveillance and maintenance activities, as described above, will be performed.</p> <p><u>Out-year Planning</u> TBD. Out-year activities will be determined based on the assigned mission.</p> <p>This WBS covers work necessary to support satisfying the following technical baseline requirements for the Hanford clean up mission:</p> <ul style="list-style-type: none"> - Spent fuels (light water reactor) shall be moved from the 400 Area interim storage to the Central Plateau Interim Storage. - <p><u>Key documents used for allocating Site requirements to this WBS include:</u></p> <table style="width: 100%;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Title</th> </tr> <tr> <td>DOE/RL-96-92</td> <td>Hanford Strategic Plan</td> </tr> </table>					Name	Title	DOE/RL-96-92	Hanford Strategic Plan
Name	Title							
DOE/RL-96-92	Hanford Strategic Plan							

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
TPO Program Management			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 1 1	1B1030	101557		18300	AF79
Scope of Work					
<p>Provide overall management direction and administrative/clerical support for the ART/FFTF program management efforts. This includes all financial activities, planning and scheduling special studies, reviews etc for ART/FFTF the contractor and RL. Provide onsite and offsite training to meet requirements for current job assignments for the TPO staff. As directed provide oversight and integration of the Integrated Safety Management (ISM) System Plan at FFTF support special safety initiatives related to ISM.</p> <p>Administer the project's Safety First Program and Safety Improvement Plan.</p> <p>Provide the FFTF portion of the PHMC award fee pool administer the ART Performance Expectation Plan.</p> <p>Provide weekly project status reports.</p> <p>Provide funding for the WMH core group responsible for corrective action management tracking.</p>					
Deliverables/Milestones (Item/Date)					
Issue weekly project status reports					
Conduct monthly program performance review meetings					
Issue quarterly reports on the project's Safety First Program and Safety Improvement Plan					
Conduct monthly reviews of TPO training status, maintain training delinquencies at zero					
Cost Target (Thousands of dollars)					
\$3,196					
Program Manager			Control Account Manager		
R K Hulvey			R K Hulvey		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Project Control/Planning/Scheduling			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 1 2	1B1033	101558		18300	AF79
Scope of Work					
<p>Provide management oversight of schedule development/maintenance nuclear material accountability (includes LMSI support of the RICS and T-3/DSWC/ISC trailer maintenance), and corrective action management at FFTF This includes</p> <p>Develop and maintain all long range resource loaded schedules for the project and their interface with the PHMC financial system utilizing the site standard P-3 software Assist in the development and implement Baseline Change Requests</p> <p>Collect data and provide monthly progress update of scheduled performance to the financial system</p> <p>Support the FFTF Standby Project Office by developing various schedule and budget scenarios for shutdown start-up, and continued standby</p> <p>Develop and maintain all fuel handling plans (Detailed Refueling Plans and IEM Cell Work Plans) for the FFTF, obtain computer support services to maintain the Refueling Inventory Control System (RICS) software and database</p> <p>Provide all Nuclear Material Control and accountability for the 400 Area Provide field support for various fuel handling and Nuclear Materials Control activities</p> <p>Provide maintenance for the specialized trailers used to move nuclear material casks</p> <p>Provide leadership to the FFTF Deficiency Evaluation Group and serve as the facility Point of Contact to interface with the site corrective action management organization</p>					
Deliverables/Milestones (Item/Date)					
Monthly reports on cost and schedule performance					
Monthly corrective action management reports to the Project Director					
Annual inspection of Interim Storage Cask Tamper Indicating Devices					
Cost Target (Thousands of dollars)					
\$789					
Program Manager			Control Account Manager		
R K Hulvey			W V Witherspoon		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Integration Management			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 3	1B1035	101559		18300	AF79
Scope of Work					
<p>Prepare budget and planning documents, including the Multi-Year Work Plan Project Baseline Summary (PBS) Field Work Proposal and Integrated Priority List inputs Maintain the baseline documents current through baseline change control</p> <p>Monitor and report on project performance Coordinate and chair the monthly Program Review meetings</p> <p>Maintain the FFTF Safety Authorization Basis documents This includes TPO actions to develop changes to maintain the FFTF and FSF safety analysis reports Technical Specifications and Criticality Specifications This is primarily the administrative functions and general FSAR support to the plant (Development of FSAR ECNs in support of plant modifications or other specific work, should be charged to that scope of work) Develop and maintain the FFTF Authorization Agreement (AA) and the Authorization Envelop for the project buildings not included within the AA</p> <p>Respond to management requests particularly from FDH and RL to provide presentation materials, evaluation of project related information and response to "what-ifs " These requests often respond to HQ requests and require immediate response</p> <p>Collect requested data and provide input to Site Systems Engineering group for inclusion in the Hanford Site Technical Database (HSTD) Hanford Site Environmental Management Specification (HSEMS) PBSs and MYWP Provide quarterly reporting on performance metrics Review, verify and correct Site Systems Engineering outputs related to FFTF and Advanced Reactors Transition</p> <p>Provide Cost Account Manager for the Safeguards and Security cost account</p>					
Deliverables/Milestones (Item/Date)					
<p>Budget documents PBS Field Work Proposal IPL / in accordance with FDH & RL call letters FY 2001 Multi-Year Work Plan approved / 9/30/2000</p> <p>Annual update issued to the FFTF FSAR</p> <p>Authorization Agreement and Authorization Envelop</p>					
Cost Target (Thousands of dollars)					
\$507					
Program Manager			Control Account Manager		
R K Hulvey			D A Gantt		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
SRID Administration			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 1 4	1B1018	101560		18300	AF79
Scope of Work					
<p>Administer the FFTF Internal Assessment and SRID programs This includes scheduling, tracking and performing various assessments processing changes to the requirement and implementation databases and other administrative and coordination functions Perform scheduled SRID Phase II assessments and submit reports to the FFTF Project Director</p> <p>Processing an SRID update includes updating the requirements database obtaining FDH interpretive authority approval and transmitting the update to RL for review and approval After RL approval of SRID requirements, a Phase 1 assessment of the revised S/RID will be completed and the Phase 2 assessment long range schedule will be revised</p> <p>Perform special assessments in the following areas Electrical Safety Requirements in Work Packages,</p> <p>Lock and Tag Program, the USQ Evaluation Program and other special assessments identified by management</p> <p>Perform Management Assessments (HNF-PRO-246 "Management Assessment") as scheduled on the annual FFTF Management Assessment plan</p>					
Deliverables/Milestones (Item/Date)					
<p>SRID Update forwarded to FDH Project Direction by 11/15/99</p> <p>Complete SRID Update Phase 1 assessment on changes 60 days after approval of SRID Update</p> <p>Complete planned S/RID assessments</p> <ul style="list-style-type: none"> • 7 SRID Sections 1st qtr FY00 reports due out 1/3/00 • 12 SRID Sections 2nd qtr FY00 reports due out 4/3/00 • 10 SRID Sections 3rd qtr FY00 reports due out 7/5/00 • 11 SRID Sections 4th qtr FY00 reports due out 10/2/00 <p>Complete planned Management Assessments</p> <ul style="list-style-type: none"> • ISMS Readiness Review complete as necessary to support Hanford ISMS implementation plan (estimated 3/27/00) • Summary review of Critical Characteristics for CGI due 3/1/00 • Configuration Management Baseline due 4/30/00 • AJHA Implementation due 6/30/99 • Pre-FEB Assessment due 8/31/00 <p>Complete quarterly summary reports of Assessment program (goal due dates for qtrly summary reports</p> <ul style="list-style-type: none"> • 4th qtr FY99 is 11/15/99, 1st qtr FY00 is 2/15/00 2nd qtr FY00 is 5/15/00 and 3rd qtr FY00 is 8/15/00) 					
Cost Target (Thousands of dollars)					
\$258					
Program Manager			Control Account Manager		
R K Hulvey			W L Marshall		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Standby Project Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 1 5	1B1000	101561		18000	AF79
Scope of Work					
<p>Provide management direction from the FFTF Standby Project Office (SPO) which includes the PNNL Director and the FDH Deputy Director. The SPO provides overall coordination and interface with DOE in maintaining the FFTF in Standby and supporting special studies for potential missions.</p> <p>Provide executive direction of the FFTF Project. The FFTF Project Director and Deputy Director (vacant) are responsible for the direction of the FFTF Project and the Advanced Reactors Program. This includes secretarial support and control of all project travel.</p> <p>Provide Business Integration support for the ART Program. This includes financial analysis, budget planning, contract administration, performance reporting, and administration of change control milestones and other project support functions.</p> <p>Ensure the maintenance of FFTF core physics codes in a reusable condition. This includes migration to an available functioning computer system and leasing of those computers.</p>					
Deliverables/Milestones (Item/Date)					
<p>Periodic executive reporting and special studies to senior contractor management and DOE.</p> <p>Monthly project status reporting to contractors and DOE including staffing, milestones, Hanford Site Performance Report.</p> <p>Monthly performance reports, Project Tracking System, change control reports, and subcontract reporting and invoice review and approval.</p>					
Cost Target (Thousands of dollars)					
\$1,175					
Program Manager			Control Account Manager		
R K Hulvey			J R Montano		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
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Title			Date	PBS Number	Dictionary Rev
Human/Industrial Relations			10/15/99	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 1 T	1B1034	111910		18000	AF79
Scope of Work					
<p>Provide project human relations personnel services Provide Industrial Relations support to the FFTF project to resolve issues which may anse with bargaining unit personnel</p> <p>NOTE The full scope of this work has not yet been defined and a budget has not been established This WBS Element and CaCN have been established to collect costs while the effects of the contractor reorganization are determined</p>					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$0					
Program Manager			Control Account Manager		
R K Hulvey			J R Montano		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01

Title			Date	PBS Number	Dictionary Rev
FFTF EIS Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 1 13	1B1009	110245		18300	AF79
Scope of Work					
<p>Provide response to requests from the PEIS preparer for information regarding the FFTF as necessary</p> <p>The full scope of this WBS Element will be evaluated and controlled once the PEIS scope and FFTF support requirements are defined</p>					
Deliverables/Milestones (Item/Date)					
Not defined					
Cost Target (Thousands of dollars)					
\$320					
Program Manager			Control Account Manager		
R K Hulvey			T M Burke		

**Control Account Dictionary
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WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
FFTF Material & Property Security			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 2 1	1B1015	101562		18000	AF79
Scope of Work					
<p>Provide 24-hour per day seven-day per week security for FFTF materials and property</p> <p>Provide the necessary guidance to the Hanford Patrol forces to maintain the normal day-to-day FFTF Project security. Maintain the Patrol readiness to be able to respond to emergent security events at FFTF or FFTF managed areas. Support FFTF during access control system failures, the annual Force-on-Force exercise (if directed) and other emergent needs for extra Patrol support above the normal day-to-day FFTF Project security.</p> <p>Monitor access control and the safeguards methodologies for special nuclear material (SNM) at the FFTF material balance areas (MBAs) and monitor the performance of SNM physical inventories. Maintain and operate a computer system to account for FFTF SNM. Provide and monitor the utilization of Tamper Indicating Devices (TIDs) and other means for safeguards control.</p> <p>Provide a Security Representative and management oversight in the development and implementation of the Site physical security program as it applies to FFTF. Coordinate Hanford Patrol support, access control policy reviews, security system performance testing, interface with RL Safeguards and Security (SAS), employee security awareness, etc.</p> <p>Conduct performance testing of protection systems. Conduct Category I and II material balance area (MBA) audits. Review and update the SAS Management Report (SSMR), the vulnerability/risk analysis report (VA) and any other SAS reviews requested by the FFTF Project.</p> <p>Provide the maintenance of SAS and access control systems as required to ensure compliance with the requirements for protection of special nuclear material, classified matter and government property. The scope includes both preventive and remedial maintenance. As required, minor system engineered and installed operational revisions shall be implemented/controlled.</p>					
Deliverables/Milestones (Item/Date)					
Annual VA update Performance Testing Planning Documentation Performance Testing Result Evaluation(s) Emergent SAS Reviews					
Cost Target (Thousands of dollars)					
\$4,436					
Program Manager			Control Account Manager		
R K Hulvey			D A Gantt		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Spare Parts Inventory Change			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 3 1	1B130K	101583		18000	AF79
Scope of Work					
Provides funding for the net value change in the inventory of reserve spare parts for FFTF MASF FMEF and Security spares No labor is funded in this account					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$149					
Program Manager			Control Account Manager		
R K Hulvey			J R Montano		

Title			Date	PBS Number	Dictionary Rev
Spare Parts Withdrawal / Returns			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 3 2	1B130L	101584		18000	AF79
Scope of Work					
Provide funding for the net Inventory Change due to adjustments excessing loss and write-offs in the inventory and reserve sub-accounts at FFTF MASF FMEF and Security spares No labor is funded in this account					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$71					
Program Manager			Control Account Manager		
R K Hulvey			J R Montano		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Operations Mgmt & Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 4 1	1B1010	101565		18100	AF79
Scope of Work					
<p>Provide program management of the FFTF Operations (Ops) group, which includes nuclear operators examination and decontamination services (EDS) operators and stationary operating engineers (SOE) Conduct general activities including staff meetings safety meetings daily reports, etc</p> <p>Provide Ops staff general training including HGET PIC Radiation Worker, etc and facility specific training including watchstation qualification new hire training ERT training and operations drills</p> <p>Provide around-the-clock seven-day per week operation of FFTF plant systems and equipment and emergency responder capability Perform log taking Conduct of Operations Assessments tickle file items SC/EC surveillances housekeeping tours FS performance and safety equipment checks</p> <p>Provide Lock and Tag control, Jumper/Lifted Lead control and qualified plant personnel to support the Work Control Center Perform special Operations Projects as assigned by the management team</p>					
Deliverables/Milestones (Item/Date)					
<p>Conduct 10 Operations drills per month</p> <p>Support completion of workphase 00-1 Health of the Facility workscope, RL milestone B10-00-000 / 1/31/00</p> <p>Support completion of workphase 00-2 "Health of the Facility" workscope, RL milestone B10-00-001 / 5/31/00</p> <p>Support completion of workphase 00-3 "Health of the Facility" workscope, RL milestone B10-00-002 / 9/29/00</p>					
Cost Target (Thousands of dollars)					
\$8,055					
Program Manager			Control Account Manager		
R K Hulvey			S V Doeblar		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title		Date	PBS Number	Dictionary Rev
Opes Analysis and Support		9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code
2 1 1 1 21 1 1 1 4 3	1B1073	101566		18700
B & R No				
AF79				
Scope of Work				
<p>Provide program management of the Analysis and Support (A&S) group Provide program management and secretarial support of the FFTF Technical Support group In addition provide secretarial support for the FFTF Safety and FFTF Radiological Control groups Conduct general activities including staff meetings safety meetings etc</p> <p>Provide staff general and facility specific training including HGET Radiation Worker etc</p> <p>Initiate operations and A&S procurements monitor and control the tickle file activities and other A&S and Operations routine support activities</p> <p>Coordinate the maintenance and administration of the FFTF Emergency Preparedness program including drills and exercises</p> <p>Maintain and administer the FFTF Criticality Safety program</p> <p>Schedule and track completion of Technical Specification Environmental Specification Fire System surveillance compliance and PN-0 system surveillance compliance</p> <p>Operate the FFTF Procedure Administration program Track procedure changes from initiation through approval and incorporation into the plant Provide word processing editing and file maintenance Maintain a procedure history file</p> <p>Provide the maintenance and administration of the FFTF Preventive Maintenance and Instrument Calibration Recall System This includes procedure maintenance tracking procedure changes from initiation through approval and incorporation into the plant providing word processing editing and file maintenance and maintaining a procedure history file This also includes scheduling and initiating the work packages for routinely scheduled and on demand preventive maintenance activities Completion data is entered into a historical data base</p>				

Title	Date	PBS Number	Dictionary Rev
Opes Analysis and Support	9/29/98	RL-MS01	0
Deliverables/Milestones (Item/Date)			
Perform monthly and annual Criticality Safety audits Annual		Monthly /	
Support the annual Facility Evaluation Board Annually			
Perform quarterly Plant Procedure file audits Quarterly			
Perform preventive maintenance and instrument re-calibration packaging every months 4 months to support FFTF work phase planning		every 4	
Coordinate performance of Technical Specification Environmental Specification and months Fire Program surveillance procedures by scheduling these activities every 4 months		every 4	
Maintain an Emergency Response Organization (ERO) and update the ERO list monthly Monthly			
Maintain the FFTF procedure program by administering changes and revisions on a daily basis Daily			
Maintain the Technical Specification Environmental Specification Fire System Surveillance Procedures by reviewing and verifying acceptability Daily			
Cost Target (Thousands of dollars)			
\$1,175			
Program Manager		Control Account Manager	
R K Hulvey		R L Mounce	

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Re
Opes Training Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 4 4	B1070	101567		18700	AF79
Scope of Work					
<p>This activity implements training programs for various Hanford Project employee groups who reside in the 400 Area</p> <p>Training Management includes training program management and supervision maintenance of Training Programs Records scheduling support, student registration training coordination and the administrative support necessary</p> <p>The Administration of the FFTF Training Plan is to provide fully trained, qualified and certified operating and technical support personnel</p> <p>Training development activities include the analysis design development and review of training programs descriptions and the establishment of training program files and associated course materials</p> <p>Training implementation includes training delivery and maintenance for classroom presentations CBT self-study and On-the-Job training</p> <p>Training evaluation accounts for the development and administration of student reaction surveys examinations tests, quizzes exercises demonstrations scenarios team participation hand-on On-the-Job, and Job Perform measures</p> <p>Activities associated with staff meetings and staff training</p> <p>Administer the implementation and continuous improvement of the Automated Job Hazard Analysis tool at FFTF</p> <p>Evaluate the required scope of changes to the Operation simulator for potential FFTF restart and draft an upgrade project plan</p>					
Deliverables/Milestones (Item/Date)					
Complete ten operational drills monthly					
Cost Target (Thousands of dollars)					
\$744					
Program Manager			Control Account Manager		
R K Hulvey			D J Rovira		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
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Title			Date	PBS Number	Dictionary Rev
Opes Policies and Procedures Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 4 5	1B1074	101568		18700	AF79
Scope of Work					
<p>Activity involves reviewing and implementing PHMC and company level policies and procedures into our FFTF Nuclear training plan for the Technical Staff Program and EP Facility Program. Also training activities associated with the review of work packages for training impacts and training programs in the conduct of pre-job briefings, USQ evaluations, radiation protection, industrial safety, fire protection, and emergency preparedness.</p>					
Deliverables/Milestones (Item/Date)					
<p>Conduct at least three Person-In-Charge/Technical Staff continuing training classes</p> <p>Conduct emergency organization training</p>					
Cost Target (Thousands of dollars)					
\$79					
Program Manager			Control Account Manager		
R K Hulvey			D J Rovira		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
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Title			Date	PBS Number	Dictionary Rev
Opes Consumables			10/15/99	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 4 7	1B1011	112099		18700	AF79
Scope of Work					
<p>Provide consumable materials and utilities for operation of FFTF This includes electricty argon nitrogen, fuel oil chemicals radios and other materials</p>					
Deliverables/Milestones (Item/Date)					
No specific deliverables					
Cost Target (Thousands of dollars)					
\$2 228					
Program Manager			Control Account Manager		
R K Hulvey			S V Doebler		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01

Title			Date	PBS Number	Dictionary Rev
SOE Plant Operations			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 4 8	1B1012	112100		18700	AF79
Scope of Work					
<p>Provide program management of the stationary operating engineers (SOE) Conduct general activities including staff meetings safety meetings daily reports, etc</p> <p>Provide SOE staff general training including HGET PIC Radiation Worker etc and facility specific training including watchstation qualification new hire training and operations drills</p> <p>Provide around-the-clock seven-day per week operation of FFTF plant systems and equipment and emergency responder capability Perform log taking Conduct of Operations Assessments tickle file items FC surveillances housekeeping tours and safety equipment checks Landlord Facility Operations</p> <p>Provide Lock and Tag control, Jumper/Lifted Lead control and Landlord Confined Space Management Perform special Operations Projects as assigned by the management team</p>					
Deliverables/Milestones (Item/Date)					
There are no discrete deliverables					
Cost Target (Thousands of dollars)					
\$714					
Program Manager			Control Account Manager		
R K Hulvey			S V Doeblor		

**Control Account Dictionary
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Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
EDS Plant Operations			10/15/99	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 4 9	1B1013	112101		18700	AF79
Scope of Work					
<p>Provide program management of the FFTF examination and decontamination services (EDS) operators Conduct general activities including staff meetings, safety meetings daily reports etc</p> <p>Provide EDS Ops staff general training including HGET PIC, Radiation Worker etc and facility specific training including watchstation qualification new hire training ERT training and operations drills</p> <p>Perform log taking Conduct of Operations Assessments tickle file items, SC/EC surveillances, housekeeping tours FS performance and safety equipment checks</p> <p>Provide Lock and Tag control, and qualified EDS personnel to support the Work Control Center Perform special Operations Projects as assigned by the management team</p> <p>Provide EDS Operations support for various PM's/Work Packages to be performed at MASF and IEM Cell at FFTF</p>					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$503					
Program Manager			Control Account Manager		
R K Hulvey			S V Doebler		

**Control Account Dictionary
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Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Radiological Management Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 5 1	1B1045	101569		18500	AF79
Scope of Work					
<p>Provide program management of the 400 Area Radiological Control group Conduct general activities including staff meetings safety meetings monthly reports etc</p> <p>Complete staff general and facility specific training including HGET Radiation Worker DOE Radiological Control Technician training specialized training through HAMMER etc</p> <p>Track and trend performance data including radiological problem reports and radiation survey reports Provide management oversight of radiological controls operations Support the 400 Area ALARA and Pollution Prevention Council Perform radiological controls SRIDs assessments Complete verification and validation of revised 10 CFR 835 requirements</p> <p>Perform required radiological surveys on a routine daily weekly monthly, and as required basis to support the operation and maintenance activities of the FFTF Provide line support for procedure and work instruction development to ensure proper implementation of radiological controls participate in AJHA development as required Provide special Radiological Work Permits when required Provide radiological support for work evolutions</p> <p>Provide calibrated portable radiological monitoring instrumentation to support FFTF operations and maintenance activities (Calibrations are normally performed by PNNL under contract Waste Management Northwest provides radiological shipping records for shipment of sources to PNNL for calibration)</p>					
Deliverables/Milestones (Item/Date)					
Complete routine health physics surveillances					
Cost Target (Thousands of dollars)					
\$989					
Program Manager			Control Account Manager		
R K Hulvey			L A Nelsen		

**Control Account Dictionary
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Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title		Date	PBS Number	Dictionary Rev
Environmental Support		9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code
2 1 1 1 21 1 1 1 5 2	1B1072	101570		18700
B & R No				
AF79				
Scope of Work				
<p>Provide environmental compliance assurance for the FFTF Project Provide management and Environmental Compliance Officer oversight of all environmental and incident evaluation activities</p> <p>Provide required training for FFTF Regulatory Compliance staff Maintain occurrence reporting lessons learned and near miss investigation programs Implement the site Chemical Management System at FFTF</p> <p>Coordinate environmental aspects at FFTF activities, including work package review and approval environmental issue evaluation and WMNW contracts for waste packaging development Provide compliance assurance for PCB management air emissions management radioactive waste management and waste water emissions management Provide hazardous waste support, and hazardous waste training plan maintenance Perform procedure reviews work package reviews regulatory review and analysis, permit maintenance self-assessment and external audit support Address emergent issues</p> <p>Provide FFTF environmental permitting activities including annual permitting fees for 400 Sanitary Sewer and Secondary Cooling Water discharges</p> <p>Perform environmental monitoring and reporting Operate Satellite Accumulation Areas and 90 Day Accumulation Areas Also perform annual testing of T-303 Underground Storage Tank and 400 Area Near Field Monitoring Prepare annual EPCRA reports and quarterly discharge monitoring reports</p> <p>Provide an apportioned share of the PHMC Waste Sites Management Program operating costs This group will identify objectives requirements authorities responsibilities organizational interfaces and specific actions necessary to improve the management of PHMC waste sites including those managed by the FFTF Project</p>				
Deliverables/Milestones (Item/Date)				
<p>Submit quarterly Discharge Monitoring Reports to WA DOE via FDH / 11/30/99 2/28/00 5/30/00 8/30/00</p>				
Cost Target (Thousands of dollars)				
\$855				
Program Manager			Control Account Manager	
R K Hulvey			S E Killoy	

Control Account Dictionary
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Fast Flux Test Facility
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Title			Date	PBS Number	Dictionary Rev
Sampling and Lab Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 5 3	1B1172	101571		18700	AF79
Scope of Work					
Perform sampling and analysis for the Secondary Cooling Water discharge and associated groundwater monitoring					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$78					
Program Manager			Control Account Manager		
R K Hulvey			S E Killoy		

Title			Date	PBS Number	Dictionary Rev
Waste Characterization Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 5 4	1B1272	101572		18700	AF79
Scope of Work					
Perform all environmental sampling at FFTF not otherwise provided for, including waste characterization samples and periodic confirmatory air samples					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$83					
Program Manager			Control Account Manager		
R K Hulvey			S E Killoy		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01

Title			Date	PBS Number	Dictionary Rev
Pollution Prevention Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 5 5	1B1372	101573		18700	AF79
Scope of Work					
Implement and maintain site Pollution Prevention and Waste Minimization programs at FFTF					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$10					
Program Manager			Control Account Manager		
R K Hulvey			S E Killoy		

Title			Date	PBS Number	Dictionary Rev
LLW Disposal			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 5 6	1B1472	101574		18700	AF79
Scope of Work					
Provide disposal of FFTF low level radioactive waste including the purchase of burial boxes and other required equipment					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$31					
Program Manager			Control Account Manager		
R K Hulvey			S E Killoy		

Control Account Dictionary
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Title			Date	PBS Number	Dictionary Rev
Waste Disposal			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 5 7	1B1572	101575		18700	AF79
Scope of Work					
Provide disposal of 400 area hazardous wastes					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$34					
Program Manager			Control Account Manager		
R K Hulvey			S E Killoy		

**Control Account Dictionary
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WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Safety Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 5 8	1B1040	101576		18800	AF79
Scope of Work					
<p>Provide program management of the FFTF Safety group Conduct general activities including staff meetings safety meetings, committee and task team involvement Plant Review Committee involvement etc</p> <p>Complete FFTF Safety staff general and facility specific training including HGET Radiation Worker etc</p> <p>Provide leadership and specialized staff supporting programs that ensure FFTF employees maintain a safe and healthy workplace Provide specialized knowledge experience and counsel for the FFTF's managerial operational engineering maintenance and support staff in the following areas</p> <ul style="list-style-type: none"> • Industrial Hygiene • Fire Protection • Nuclear Safety • Criticality Safety • Industrial Safety 					
Deliverables/Milestones (Item/Date)					
<p>Complete scheduled Fire Protection Assess Per DOE 5480 7A</p> <p>Complete Annual Criticality Safety Assessment</p>					
Cost Target (Thousands of dollars)					
\$945					
Program Manager			Control Account Manager		
R K Hulvey			R O Zimmerman		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Quality Assurance			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code:	B & R No
2 1 1 1 21 1 1 1 5 9	1B1040	101577		18400	AF79
Scope of Work					
<p>Provide program management of the FFTF Quality Assurance group Conduct general activities including staff meetings safety meetings Plant Review Committee involvement etc</p> <p>Complete FFTF QA staff general and facility specific training including HGET Radiation Worker, etc</p> <p>Provide leadership and specialized Quality Assurance/Quality Control support to the FFTF staff for compliance with the QA rule and Quality Assurance program This includes self assessments training, document review and inspection activities</p> <p>Review and approve quality affecting FFTF operating procedures work packages and material procurements</p> <p>Conduct self assessments of FFTF performance</p> <p>Perform inspections of quality affecting maintenance and modification activities in the FFTF</p>					
Deliverables/Milestones (Item/Date)					
<p>Conduct 24 surveillances to determine areas for improvement and to assess compliance with the requirements imposed on the facility</p>					
Cost Target (Thousands of dollars)					
\$502					
Program Manager			Control Account Manager		
R K Hulvey			R O Zimmerman		

Control Account Dictionary
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Fast Flux Test Facility
WBS 2 01 01 01 21 01 01

Title			Date	PBS Number	Dictionary Rev
Engineering Mgmt Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 6 1	1B130A	101578		18200	AF79
Scope of Work					
<p>Provide management of FFTF engineering activities including necessary secretanal and administrative support</p> <p>Provide required training for staff to perform these duties</p> <p>Conduct general activities including staff meetings safety meetings task team involvement Plant Review Committee involvement, etc</p> <p>Provide technical support to the Standby Project Office</p>					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$284					
Program Manager			Control Account Manager		
R K Hulvey			S Guttenberg		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Aux Sys Electrical Eng Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 6 2	B1024	101579		18200	AF79
Scope of Work					
<p>Provide program management of the FFTF Auxiliary Systems Electrical Engineering (ASEE) group. ASEE is responsible for providing engineering support for over 110 systems for FFTF Plant MASF, 400 Area Landlord, and FMEF. Significant FFTF Plant MASF Landlord, and FMEF systems ASEE is responsible for are electrical distribution lighting communications fire protection HVAC sodium system trace heat sodium level and leak detection inert gas supply and distribution sodium sampling and monitoring radiation monitoring and plant annunciators.</p> <p>Complete ASEE staff general and facility specific training including HGET PIC Radiation Worker, Electrical Safety etc.</p> <p>Provide cognizant engineer and design authority support for FFTF preventative maintenance (PM) activities, including review and revision of PM categories, frequencies and procedures and evaluation of data obtained from PM activities. Provide support to FFTF corrective maintenance activities, including preparation of corrective maintenance and modification work packages and ordering of required materials. As required supervise fieldwork (i.e. Person in Charge activities). Prepare review and approve FFTF operating procedures related to assigned ASEE systems. Support the achievement of the health of the facility maintenance milestones. Conduct general activities including staff meetings safety meetings monthly reports etc.</p> <p>Obtain outside services for maintaining the FFTF communications systems and to provide National Electrical Code interpretations and inspections.</p> <p>Provide secretarial support including preparation and issuance of correspondence and reports routing and tracking work packages taking messages scheduling training preparing monthly performance data maintaining the engineering department required reading log and the design authority matrix, processing modification packages during ECN release and closeout supply procurement administrative support for other FFTF project groups as required and perform as project point-of-contact for several PHMC procedures.</p>					
Deliverables/Milestones (Item/Date)					
Support completion of workphase 00-1 Health of the Facility" workscope, RL milestone B10-00-000 / 1/31/00					
Support completion of workphase 00-2 Health of the Facility" workscope RL milestone B10-00-001 / 5/31/00					
Support completion of workphase 00-3 Health of the Facility" workscope RL milestone B10-00-002 / 9/29/00					
Cost Target (Thousands of dollars)					
\$1,260					
Program Manager			Control Account Manager		
R K Hulvey			S H Crow		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Mechanical Eq & Inservice Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 6 3	1B1023	101580		18200	AF79
Scope of Work					
<p>Provide program management of the FFTF Mechanical Engineering and In-service Inspection (MEII) group Conduct general activities including staff meetings safety meetings monthly reports etc</p> <p>Complete MEII staff general and facility specific training including HGET, PIC Radiation Worker etc</p> <p>Prepare, review and approve FFTF operating procedures related to assigned mechanical systems and in-service inspection</p> <p>Provide support to FFTF preventative maintenance (PM) and In-service Inspection (SISI) activities including review and revision of PM categories frequencies and procedures and evaluation of data obtained from PM and SISI activities Provide support to FFTF corrective maintenance activities including preparation of corrective maintenance and modification work packages and ordering of required materials As required supervise fieldwork (i e Person in Charge activities) Support the achievement of the "health of the facility" maintenance milestones</p> <p>Provide Cognizant Engineer / Design Authority function for assigned systems and components</p>					
Deliverables/Milestones (Item/Date)					
<p>Issue Annual SISI report by 3/31/00</p> <p>Support completion of workphase 00-1 Health of the Facility workscope RL milestone B10-00-000 / 1/31/00</p> <p>Support completion of workphase 00-2 Health of the Facility workscope RL milestone B10-00-001 / 5/31/00</p> <p>Support completion of workphase 00-3 "Health of the Facility" workscope RL milestone B10-00-002 / 9/29/00</p>					
Cost Target (Thousands of dollars)					
\$826					
Program Manager			Control Account Manager		
R K Hulvey			D L Polzin		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
RSM Engineering Mgmt Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 6 4	1B1022	101581		18200	AF79
Scope of Work					
<p>Provide program management of the FFTF Reactor Systems Mechanical Engineering (RSME) group Conduct general activities including staff meetings safety meetings monthly reports etc</p> <p>Complete RSME staff general and facility specific training including HGET PIC Radiation Worker etc</p> <p>Provide Cognizant Engineer / Design Authority function for more than fifty assigned systems and components in the FFTF, FMEF MASF and Landlord buildings Support the achievement of the "health of the facility" maintenance milestones Provide support to FFTF preventative maintenance (PM) activities including review and revision of PM categories frequencies and procedures and evaluation of data obtained from PM activities Provide support to FFTF corrective maintenance activities, including preparation of corrective maintenance and modification work packages and ordering of required materials As required supervise field work (i e Person in Charge activities)</p> <p>Prepare review and approve FFTF operating procedures related to assigned systems Perform configuration management activities including the maintenance of drawings in accordance with site requirements Prepare review and approve engineering standards and procedures including maintenance of FFTF Engineering Instructions and participation on the FDH Engineering Leadership Team</p> <p>Perform engineering studies related to plant restart e g , sodium and gas sampling processes and liquid effluent treatment options</p>					
Deliverables/Milestones (Item/Date)					
Support completion of workphase 00-1 "Health of the Facility" workscope RL milestone B10-00-000 / 1/31/00					
Support completion of workphase 00-2 Health of the Facility workscope RL milestone B10-00-001 / 5/31/00					
Support completion of workphase 00-3 "Health of the Facility" workscope RL milestone B10-00-002 / 9/29/00					
Cost Target (Thousands of dollars)					
\$912					
Program Manager			Control Account Manager		
R K Hulvey			T M Burke		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
G-3 Generator Repair/Material Purchases			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 6 7	1B102A	101584		18200	AF79
Scope of Work					
<p>Purchase external vendor services for G 3 generator repairs</p> <ul style="list-style-type: none"> • Complete repairs to the shorted stator to prepare it for installation as a part of FFTF corrective maintenance (completed in FY 1999) • Procure vendor services to support performance of a halon concentration test on the G-3 fire suppression system This will include <ul style="list-style-type: none"> - Perform system walkdown - Prepare test procedure - Perform test - Document test results and recommended system modifications if required (Travel by vendor personnel is required) 					
Deliverables/Milestones (Item/Date)					
Complete fire suppression system halon concentration test for the G 3 generator and issue report documenting results (FY 2000)					
Cost Target (Thousands of dollars)					
\$12					
Program Manager			Control Account Manager		
R K Hulvey			T M Burke		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Maintenance Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 7 1	1B1080	101585		18600	AF79
Scope of Work					
<p>Provide program management of the FFTF Maintenance organization Perform general activities including staff meetings safety meetings monthly reports etc</p> <p>Provide a trained and capable maintenance staff to support the FFTF and associated facilities Complete Maintenance staff general and facility specific training including HGET PIC Radiation Worker etc Complete individual Maintenance staff mandatory technical/safety training e g medium risk and high risk electrical safety training confined space entry training etc</p> <p>Plan schedule, manage, and perform surveillance procedures preventive and corrective maintenance for the Fast Flux Test Facility Maintenance and Storage Facility FMEF, and 400 Area support facilities (landlord buildings) Operate the work control center Provide Maintenance Person In Charge (PIC), as necessary to coordinate and direct fieldwork Purchase materials required for preventive and corrective maintenance and for maintenance administration activities</p> <p>Provide calibrated equipment tools and external services required for performance of maintenance work</p> <p>Maintain the yard and grounds at FFTF including landscape maintenance and snow removal</p>					
Deliverables/Milestones (Item/Date)					
<p>Complete workphase 00-1 "Health of the Facility" workscope RL milestone B10-00-000 / 1/31/00</p> <p>Complete workphase 00-2 "Health of the Facility" workscope RL milestone B10-00-001 / 5/31/00</p> <p>Complete workphase 00-3 "Health of the Facility" workscope RL milestone B10-00-002 / 9/29/00</p>					
Cost Target (Thousands of dollars)					
\$8,609					
Program Manager			Control Account Manager		
R K Hulvey			G J Boehnke		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01

Title			Date	PBS Number	Dictionary Rev
FMEF S&M Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 1 8 1	1B170A	101586		18100	AF79
Scope of Work					
<p>Maintain the Fuels and Materials Examination Facility (FMEF) in a safe secure environmentally compliant shutdown condition Except for leased storage and workshop areas the building is unoccupied</p> <p>Maintain the fire detection and suppression systems heating system (to prevent freezing of water systems), and building integrity so as to protect the DOE investment in this facility Perform necessary preventive and corrective maintenance activities</p> <p>Receive offsetting income from programs which utilize space for storage or workshop purposes</p>					
Deliverables/Milestones (Item/Date)					
No discrete deliverables					
Cost Target (Thousands of dollars)					
\$271					
Program Manager			Control Account Manager		
R K Hulvey			S V Doeblor		

Hanford Site Work Breakdown Structure Dictionary
FFTF PROJECT
WBS 2 01 01 01 21 01

Activity Title		Date	PBS Number	Dictionary Rev
Remove Materials from FFTF		8/31/98	MS01	0
WBS Number	Baseline CR No	Organization Code	B&R Number	
2 01 01 01 21 01 01 02		18000	AF79	
Scope of Work				
This WBS provides those activities necessary for the removal of nuclear materials (unirradiated and irradiated fueled components) from the FFTF				
Offload all unusable fueled components from within FFTF and place them in interim storage Offload unusable nonfueled components from within FFTF and ship them for disposal Activities in these areas include Oversee the procurement and testing of Interim Storage Casks (ISCs) and Core Component Casks (CCCs) prepare and approve detailed refueling plans and Interim Examination and Maintenance Cell (IEMC) and Examination and Decontaminated Services (EDS) work plans, perform necessary criticality evaluations conduct operational readiness assessments operate and maintain the refueling equipment provide engineering maintenance and operations support for component handling, washing, packaging and shipping operations assemble FFTF fuel assembly data packages preserve FFTF nuclear equipment performance data and documentation				
Current Year Work				
Efforts will continue to upgrade and restore equipment required for handling FFTF fuel in order to support reliable operation Specific activities will include completion of upgrades to the Closed Loop Ex-Vessel Machine (CLEM) and the IEM Cell Sodium Removal System controls Additionally design development, fabrication, and installation of required upgrades to the Solid Waste Cask will continue Each of these machines or systems is necessary to process unirradiated and irradiated fuel for removal from the FFTF				
Out-year Planning				
TBD Out-year activities will be determined based on the assigned mission				
This WBS covers work necessary to support satisfying the following technical baseline requirements for the Hanford clean up mission				
- South 600 Area special nuclear materials shall be moved to the Central Plateau				
- 400 Area uranium shall be interim stored in the 400 Area				
- Nuclear materials shall be moved from the 400 Area to the Central Plateau				
- 400 Area Nuclear materials shall be stabilized				
- Complete commercial disposition and/or the acquisition of new facilities modification of existing facilities and/or modification of planned facilities necessary for storage treatment/processing and disposal/disposition of all Hanford Site UU [Due Date 12/31/2000] TPA Target Milestone MX-92-06T				
This target date includes all UU located in 300 Area fuel supply facilities (Uranium dioxide powder and pellets stored in cans pins assemblies and drums) Uranium trioxide (UO3) powder stored in T-hoppers adjacent to the U-Plant depleted UO3 stored in 55 gallon drums in the 200 West Area and the 4713 Building				
Key documents used for allocating Site requirements to this WBS include				
Name	Title			
DOE/EIS-0222D	Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan			
DOE/RL-89-10	Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Revision 5			
DOE/RL-96-92	Hanford Strategic Plan			

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
Fuel Handling Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 2 1 2	1B1026	101587		18200	AF79
Scope of Work					
<p>Provide program management of the FFTF Fuel Handling I&C Engineering (FHIC) group Conduct general activities including staff meetings safety meetings monthly reports etc</p> <p>Complete FHIC staff general and facility specific training including HGET PIC Radiation Worker Electrical Safety etc</p> <p>Prepare, review and approve FFTF operating procedures related to assigned FHIC systems</p> <p>Provide support to FFTF preventative maintenance (PM) activities including review and revision of PM categories, frequencies and procedures and evaluation of data obtained from PM activities Provide support to FFTF corrective maintenance activities, including preparation of corrective maintenance and modification work packages and ordering of required materials As required, supervise fieldwork (i e , Person in Charge activities) Support the achievement of the "health of the facility" maintenance milestones</p> <p>Provide administrative control of FFTF engineering documents This includes maintaining station files, microfiche files, ECN files, and the Technical Reference Library Also included is ECN and engineering document release processing</p>					
Deliverables/Milestones (Item/Date)					
<p>Support completion of workphase 00-1 "Health of the Facility" workscope RL milestone B10-00-000 / 1/31/00</p> <p>Support completion of workphase 00-2 "Health of the Facility" workscope RL milestone B10-00-001 / 5/31/00</p> <p>Support completion of workphase 00-3 "Health of the Facility" workscope RL milestone B10-00-002 / 9/29/00</p>					
Cost Target (Thousands of dollars)					
\$940					
Program Manager			Control Account Manager		
R K Hulvey			G N Ruge		

Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01

Title			Date	PBS Number	Dictionary Rev
SWC Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 2 2 2	1B1032	101588		18200	AF79
Scope of Work					
<p>Complete the redesign and repair of the Solid Waste Cask to restore it to an acceptable condition for handling highly radioactive waste containers and spent nuclear fuel in core component containers</p> <p>In FY 2000, perform detailed design activities for the Solid Waste Cask (SWC) The cask requires a major upgrade to the hoist, grapple closure valve and its associated electrical control system to allow it to safely handle spent fuel containers and to increase its reliability</p> <p>Conceptual design activities were completed in FY 1999 and Detailed Design is planned for completion by the end of FY 2000 Procurement fabrication installation and testing activities to support this upgrade will occur in FY 2001 & FY 2002</p> <p>This scope includes the engineering and drafting support to perform the design activity and the additional support to perform an independent design review and approval at the completion of detailed design The design effort review and approval are all part of the FY 2000 scope</p>					
Deliverables/Milestones (Item/Date)					
<p>RL Milestone B19-00-400 Due Date September 25 2000</p> <p>Complete the definitive design for repairs and upgrades to the Solid Waste Cask (SWC) to meet the design requirements for handling spent nuclear fuel This will fully define the scope to restore the grapple and hoist system, which failed as well as to assure an adequate confinement boundary An independent design review will be performed and the final design review report will be issued with a copy provided to RL</p>					
Cost Target (Thousands of dollars)					
\$978					
Program Manager			Control Account Manager		
R K Hulvey			S W Hiller		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
CLEM Upgrade Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 2 4 1	1B1027	101590		18200	AF79
Scope of Work					
<p>The computerized controls for the Closed Loop Ex-Vessel Machine (CLEM) are aged and require replacement to ensure reliable maintainable operation This upgrade will replace the computers monitors, I/O, and related equipment required to operate the machine reliably</p> <p>During FY 1999 this task proceeded such that the following tasks were completed resulting in RL Milestone B19-99-403 being completed 16 days ahead of schedule</p> <ul style="list-style-type: none"> - Definitive design - Software development - Hardware design review - Procurement fabrication and field installation of all required hardware <p>During FY 2000 the following activities will be performed such that CLEM can be returned to service early in FY 2001</p> <ul style="list-style-type: none"> - Calibration Grooming & Alignment testing - Software Design Review - Acceptance Testing Phase I e g interlock checks and handling cold components - Test Results and Review Team - Acceptance Testing Phase II, e g handling irradiated fueled components 					
Deliverables/Milestones (Item/Date)					
<p>Complete CLEM Software Design Review Level 0 Milestone complete by 2/11/00</p> <p>Complete Phase I Acceptance Testing of the CLEM control system upgrade Level 0 Milestone complete by 6/27/00</p> <p>Complete Phase II Acceptance Testing of the CLEM control system upgrade RL Milestone B19-00-403 / 9-14-00</p>					
Cost Target (Thousands of dollars)					
\$400					
Program Manager			Control Account Manager		
R K Hulvey			G N Ruge		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
IEM Cell & Refueling Mech Eng Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 2 5 1	1B1028	101591		18200	AF79
Scope of Work					
<p>The FFTF IEM Cell & Refueling Mechanical Engineering (IRME) organization provides Design Authority/Cognizant Engineering coverage for more than 30 systems related to reactor refueling and spent fuel handling and storage. Specific system assignments are provided in the Cognizant Engineer/Design Authority listings. The primary objective of this WBS element is to maintain those fuel handling equipment and systems to support the completion of "health of facility" maintenance milestones.</p> <p>In addition, the following activities are provided by this element:</p> <ul style="list-style-type: none"> - Program management of the IRME group - Secretarial services for the IRME and RSME engineering groups (2 managers and 18 engineering staff members). Secretarial duties involve preparation and issuance of correspondence and reports, routing and tracking work packages and procedures, taking messages, scheduling training, preparing monthly reports, miscellaneous office equipment procurements, and other administrative requirements. - General drafting support of IRME configuration management activities including maintenance of drawings, incorporating ECNs, etc. - Preparation of engineering studies related to restart activities (e.g., isotope target irradiation hardware conceptual design, inflatable seal replacement evaluation, IT bellows replacement study) as resources allow. - Preparation, review, and approval of FFTF operating and maintenance procedures related to assigned IRME systems. - Supervision (PIC) of fieldwork related to systems/equipment. IRME is responsible for <p>Maintenance activities on fuel handling systems and equipment are based on retaining the potential for a reactor restart while assuring minimal impact to critical path should a shutdown or restart decision be received.</p> <p>Green fuel inventory and IDS siphon breaker testing will be performed in FY 2000.</p> <p>T-3 shipping cask license revision for metal fuel will be supported in FY 2000 per DOE request.</p> <p>ISC and DSWC SARP updates/renewals will be performed as required.</p>					
Deliverables/Milestones (Item/Date)					
Support completion of workphase 00-1 "Health of the Facility" workscope, RL milestone B10-00-000 / 1/31/00					
Support completion of workphase 00-2 "Health of the Facility" workscope, RL milestone B10-00-001 / 5/31/00					
Support completion of workphase 00-3 "Health of the Facility" workscope, RL milestone B10-00-002 / 9/29/00					
Cost Target (Thousands of dollars)					
\$1,038					
Program Manager			Control Account Manager		
R K Hulvey			S W Hiller		

**Control Account Dictionary
Advanced Reactors Transition
Fast Flux Test Facility
WBS 2 01 01 01 21 01 01**

Title			Date	PBS Number	Dictionary Rev
SRS C1167 Support			9/29/98	RL-MS01	0
WBS Number	CAP Number	CACN	Baseline CR No	Organization Code	B & R No
2 1 1 1 21 1 1 2 6 1	1B102B	101592		18200	AF79
Scope of Work					
<p>This overall task will upgrade the Interim Examination and Maintenance (IEM) Cell Sodium Removal System (SRS) control system panel C-1167. The upgrades will enhance the man-machine interface, the system reliability and maintainability, and the safety of performing maintenance.</p> <p>During FY 1999 this task proceeded such that the following activities were completed:</p> <ul style="list-style-type: none"> - Definitive hardware design - Software development - Design review for hardware and software - Procurement of new hardware, except for computer <p>During FY 2000 the following activities will be performed:</p> <ul style="list-style-type: none"> - Software Testing - Construction, i.e., install new control system into existing control console C-1167 - Prepare Operating Procedures that reflect operation of the upgraded SRS control system - Perform training on the new SRS control system - Procure process control computer <p>Complete acceptance testing and return the Sodium Removal System to service (Projected for FY 2001)</p>					
Deliverables/Milestones (Item/Date)					
<p>During FY00 construction activities on C-1167 will be performed such that SRS can be returned to service in FY 2001.</p> <p>Complete construction/ installation of new control system for SRS RL Milestone B19-00-402 / 9-22-00</p>					
Cost Target (Thousands of dollars)					
\$356					
Program Manager			Control Account Manager		
R K Hulvey			G N Ruge		

TABLE 2-1 RESPONSIBILITY ASSIGNMENT MATRIX

ADVANCED REACTORS TRANSITION

WBS No	CaCN	Title	Manager	FY 2000 Budget (\$K)
1 12 1		ADVANCED REACTORS TRANSITION		
1 12 1 1		NE Legacy Facilities		
1 12 1 1 1		Maintain Safe & Compliant NE Legacy Facilities		-
1 12 1 1 1 1	101541	NE Legacies Occupancy	W F Brehm	413
1 12 1 1 2		Transition NE Legacy Facilities		-
1 12 1 1 2 1	101542	Remove and Ship 337 Controls & Piping	W F Brehm	0
1 12 1 1 2 2	101543	Clean 221 T Tanks	W F Brehm	86
1 12 1 1 2 3	101544	Complete Options for Non-Rad Sodium	W F Brehm	0
1 12 1 1 2 4	101545	Clean 3718-M Storage Tank	W F Brehm	0
1 12 1 1 2 5	101546	NE Legacy Support	W F Brehm	0
1 12 1 1 2 6	110009	337B Crane Repair	W F Brehm	0
1 12 1 2		309 Facility		
1 12 1 2 1		Maintain Safe & Compliant 309 Building		-
1 12 1 2 1 1	101547	309 Building Facility	I L Metcalf	709
1 12 1 2 2		Transition 309 Facility		-
1 12 1 2 2 1	101548	Transition TW Tank Farm	I L Metcalf	0
1 12 1 2 2 2	101549	Stabilize PRTR Fuel Storage Basin	I L Metcalf	0
1 12 1 2 2 3	101550	Stabilize PRTR Reactor Cavity	I L Metcalf	0
1 12 1 2 2 4	101551	Fuel Exam Cell	I L Metcalf	0
1 12 1 2 2 5	101552	Stabilize PRTR Fuel Transfer Pit	I L Metcalf	110
1 12 1 2 2 6	101553	Clean Out Balance PRTR Containment	I L Metcalf	0
1 12 1 2 2 7	101554	Stabilize 309 Bldg Stacks and Pit	I L Metcalf	0
1 12 1 2 2 8	101555	Facility Document Updates	I L Metcalf	0
1 12 1 2 2 9	101556	Transition 309 Building to Shutdown	I L Metcalf	0
				1,318

TABLE 2-1 RESPONSIBILITY ASSIGNMENT MATRIX (Cont'd)
FAST FLUX TEST FACILITY

WBS No	CaCN	Title	Manager	Budget (\$K)
21112111		FAST FLUX TEST FACILITY		
211121111		Maintain Safe and Compliant Materials in FFTF		
2111211111		Project Management		
21112111111	101557	TPO Program Management	R K Hulvey	3,196
21112111112	101558	Project Control, Planning and Scheduling	W V Witherspoon	789
21112111113	101559	Integration Management	D A Gantt	507
21112111114	101560	SRID Administration	W L Marshall	258
21112111115	101561	Standby Project Support	J R Montano	1,175
211121111113	110245	EIS Support	T M Burke	320
211121111114	111910	Human/Industrial Relations	J R Montano	0
2111211112		Material & Property Security		
21112111121	101562	FFTF Material & Property Security	D A Gantt	4,436
2111211113		Inventory Control		
21112111131	101563	Spare Parts Inventory Change	J R Montano	149
21112111132	101564	Spare Parts Withdrawal / Returns	J R Montano	71
2111211114		FFTF Standby Operations		
21112111141	101565	Operations Mgmt & Support	S V Doebler	6,055
21112111143	101566	Opes Analysis and Support	R L Mounce	1,175
21112111144	101567	Opes Training Support	D J Rovira	744
21112111145	101568	Opes Policies and Procedures Support	D J Rovira	79
21112111147	112099	Opes Consumables	S V Doebler	2,228
21112111148	112100	SOE Plant Operations	S V Doebler	714
21112111149	112101	EDS Plant Operations	S V Doebler	503
2111211115		Self Assessments & Support		
21112111151	101569	Radiological Management Support	L A Nelsen	989
21112111152	101570	Environmental Support	S E Killoy	855
21112111153	101571	Sampling and Lab Support	S E Killoy	78
21112111154	101572	Waste Characterization Support	S E Killoy	83
21112111155	101573	Pollution Prevention Support	S E Killoy	10
21112111156	101574	LLW Disposal	S E Killoy	31
21112111157	101575	Waste Disposal	S E Killoy	34
21112111158	101576	Safety Support	R O Zimmerman	945
21112111159	101577	Quality Assurance	R O Zimmerman	502
2111211116		Maintain FFTF Sys Design		
21112111161	101578	Engineering Mgmt Support	S Guttenberg	264
21112111162	101579	Aux Sys Electrical Eng Support	S H Crow	1,260
21112111163	101580	Mechanical Eq & Inservice Support	D L Polzin	826
21112111164	101581	RSM Engineering Mgmt Support	T M Burke	912
21112111167	101584	G-3 Generator Repair/Material Purchases	T M Burke	12
2111211117		FFTF Maintenance		
21112111171	101585	Maintenance Support	G J Boehnke	6,609
2111211118		FMEF		
21112111181	101586	FMEF S&M Support	S V Doebler	271
211121112		Remove Materials from FFTF		
2111211121		Fuel Handling		
21112111212	101587	Fuel Handling Support	G N Ruge	940
2111211122		SWC		
21112111222	101588	SWC Support	S W Hiller	978
2111211124		CLEM Upgrade		
21112111241	101590	CLEM Upgrade Support	G N Ruge	400
2111211125		IEM Cell & Refueling Admin		
21112111251	101591	IEM Cell & Refueling Mech Eng Support	S W Hiller	1,038
2111211126		SRS C1167		
21112111261	101592	SRS C1167 Support	G N Ruge	356
				41,812

3 0 SCHEDULE BASELINE

3 1 Master Schedule

The Project Baseline Schedule is maintained in the Primavera Project Planner (P3)[™] computer program. A printout of this schedule is provided in Appendix A. Over the course of the project the P3 schedule will be maintained under baseline change control in accordance with HNF-PRO-533, Change Control.

Summarization of this master schedule is provided in the Project Master Baseline Schedule, which appears in the Fiscal Year 2000 Multi-Year Work Plan Advanced Reactors Transition Program. The MYWP can be accessed on the HLAN through Hanford Data Integrator (HANDI). A simplified pictorial representation is presented in Section 1 Executive Summary of this document.

3 2 Milestones

Milestones have been established for completion of significant activities in the project schedule. Dependent upon the significance of the activity these are assigned as Field Office (FO), RL, or contractor (C) level milestones. The active milestones are listed in Table 3.1. In addition, a number of milestones related to the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) are assigned to the project but are not being worked due to the DOE direction to maintain the FFTF in standby. These milestones are listed in Table 3.2.

Tri-Party Agreement change request M-81-98-01 was approved August 24, 1999, placing the M-81 series of TPA milestones "in abeyance" and changing the due date for M-20-29A to "TBD." Change M-92-98-01 was approved October 2, 1999, placing the milestones M-92-09 and M-92-10 "in abeyance." These changes will be reflected in the project baseline by BCR in the near future.

[™] P3 and Primavera Project Planner are trade names of Primavera Systems, Inc.

TABLE 3 1 ACTIVE MILESTONES

Milestone Number	CAM / Resp. Person	Type	Milestone Description	Scheduled Date
B10-00-004	Doebler	0	Identified FWS Qualifying Observations Complete	10/14/99
B10-00-005	Doebler	0	Complete 10 Operational Drills	10/31/99
B10-00-006	Doebler	0	Complete 10 Operational Drills	11/30/99
B10-00-007	Killoy	0	Quarterly DMR Submittal to Ecology	11/30/99
B10-00-003	Harville	RL	Verify Contingency Plan for Y2K	12/15/99
B10-00-008	Doebler	0	Complete 10 Operational Drills	12/30/99
B10-00-009	Doebler	0	Complete Reference Use Procedure Validation	12/31/99
B10-00-010	Doebler	0	Complete 10 Operational Drills	01/31/00
B10-00-000	Boehnke	RL	Health of Facility Workphase 00-1	01/31/00
B10-00-011	Ruge	0	Complete CLEM Software Design Review	02/11/00
B10-00-013	Killoy	0	Quarterly DMR Submittal to Ecology	02/28/00
B10-00-012	Doebler	0	Complete 10 Operational Drills	02/29/00
B10-00-015	Polzin	0	Issue Annual SISI Report	03/30/00
B10-00-016	Griffin	0	Declaration of Readiness for ISMS Verification	03/30/00
B10-00-014	Doebler	0	Complete 10 Operational Drills	03/31/00
B10-00-017	Doebler	0	Complete 10 Operational Drills	04/30/00
B10-00-018	Killoy	0	Quarterly DMR Submittal to Ecology	05/30/00
B10-00-019	Doebler	0	Complete 10 Operational Drills	05/31/00
B10-00-001	Boehnke	RL	Health of Facility Workphase 00-2	05/31/00
B10-00-020	Ruge	0	Complete CLEM Phase I Acceptance Testing	06/27/00
B10-00-021	Doebler	0	Complete 10 Operational Drills	06/30/00
B10-00-022	Hiller	0	Transmit SWC Design Review Package to Review Team	07/20/00
B10-00-023	Doebler	0	Complete 10 Operational Drills	07/31/00
B10-00-024	Killoy	0	Quarterly DMR Submittal to Ecology	08/30/00
B10-00-025	Doebler	0	Complete 10 Operational Drills	08/31/00
B19-00-403	Ruge	RL	Acceptance Testing for CLEM Control System	09/14/00
B19-00-402	Ruge	RL	Sodium Removal System Control System Construction	09/22/00
B19-00-400	Hiller	RL	Definitive Design for the Solid Waste Cask	09/25/00
B10-00-002	Boehnke	RL	Health of Facility Workphase 00-3	09/29/00
B10-00-026	Doebler	0	Complete 10 Operational Drills	09/30/00

TABLE 3.2 TPA MILESTONES PENDING CHANGE REQUEST APPROVAL

MILESTONE CONTROL #	TPA-MS NUMBER	MS LEVEL	MS TITLE	TPA Date
B19-98-401	M-81-04-T01	FO	COMPLETE REACTOR AND HEAT TRANSPORT SYSTEM SODIUM DRAIN	In Abeyance
B17-98-107	M-81-02-T01	FO	SUBMIT SODIUM DISPOSITION EVALUATION REPORT/DECISION POINT	In Abeyance
B19-98-301	M-81-00-T02	FO	COMPLETE TRANSFER OF IRRADIATED FUEL TO DRY CASK STORAGE	In Abeyance
B19-98-302	M-81-00-T03	FO	COMPLETE TRANSFER OF UNIRRADIATED FUEL TO PFP	In Abeyance
B19-98-303	M-81-00-T04	FO	COMPLETE TRANSFER OF SPECIAL FUEL TO INEL FOR STORAGE	In Abeyance
B17-98-102	M-81-03	FO	SUBMIT FFTF END POINT CRITERIA DOCUMENT	In Abeyance
B19-98-401	M-81-04-T02	FO	COMPLETE INTERIM DECAY STORAGE/FUEL STORAGE FACILITY SODIUM DRAIN	In Abeyance
B17-00-101	M-20-28A	FO	SUBMIT SODIUM STORAGE FACILITY & SODIUM REACTION FACIL CLOSURE PL	TBD
B19-00-401	M-81-04	FO	COMPLETE FFTF SODIUM DRAIN	In Abeyance
B19-01-501	M-81-00-T05	FO	COMPLETE AUXILIARY SYSTEMS DEACTIVATION	In Abeyance
B17-01-101	M-81-05	FO	SUBMIT FFTF SURVEILLANCE AND MAINTENANCE PLAN	In Abeyance
B19-01-502	M-81-06	FO	COMPLETE PCB TRANSFORMER DISPOSAL	In Abeyance
B17-02-101	M-81 00	FO	COMPLETE FFTF TRANSITION AND INITIATE THE S&M PHASE	In Abeyance
B69-98-302	M-92-10	FO	SUBMIT HANFORD SITE SODIUM PROJECT MANAGEMENT PLAN	In Abeyance
B19-98-402	M-92-09	FO	COMPLETE ACQUISITION FACILITIES DISPOSAL OF HANFORD SITE SODIUM	In Abeyance

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4 0 COSTS

The Advanced Reactors Transition and FFTF Standby cost estimates have been developed using Activity based Cost (ABC) estimating techniques. Dependent upon the task, the estimating basis may be historical, based on best judgement, definitive, or a combination of these. Planning rates and escalation applied to these estimates are consistent with those developed by the Fluor Daniel Hanford Company (FDH) Chief Financial Officer and approved by RL. The FFTF Transition Project Office maintains the supporting information in the 400 Area 4710 Building.

4 1 Cost Detail

Cost reports are presented in Appendix B. These reports document the budgeted resource usage, the fully burdened resource rate, and the resource cost, as well as cost subtotals for the various tasks. Costs for FFTF (WBS 2.1.1.1.21.1.1) are presented only for the current fiscal year, due to the lack of a defined mission. Costs for NE Legacies and PRTR (WBS 1.12.1) are presented for the life cycle of these projects. Costs shown in these reports for FY 2000 are in current year dollars using current rates; for FY 2001 and beyond, FY 2001 dollars and rates are used. Any additional escalation must be accounted for manually.

Additional costs paid directly by RL, such as FFTF radiological and non-radiological laundry fees and NE Legacy steam expenses, are not included in the Appendix B reports.

4 2 Cost Baseline

4 2 1 Cost Baseline by Year

Table 4.1 shows the Advanced Reactors Transition cost baseline by year. The FFTF cost baseline has only been established for the current year; refer to Table 4.2.

4 2 2 Current Year Cost Baseline

Table 4.3 lists the FY 1999 cost baseline for each Cost account Charge Number in the ART and FFTF projects. The backup detail is provided in Appendix B.

4 3 Budget Authority

Table 4.4 identifies the budget authority planning basis. Final budget authority will be identified in the RL financial plan.

4 4 Planned Staffing

The ART planned staffing for NE Legacies and PRTR/309 Building activities is 8.0 FTE.

The FFTF planned staffing is 254 direct staff for FY 2000 with an additional 13 FTE of supporting staff from outside of the FFTF organization. The supporting staff FTE may or may not represent a discrete individual. These supporting FTE include Protection Technology Hanford exempt, non-exempt, and crafts, DynCorp crafts and custodial support personnel, and WMH corrective action management personnel. Out-year staffing will be a function of the mission decision.

TABLE 4 1 ART (RL-TP11) LIFECYCLE COSTS BY FISCAL YEAR

	FY 1997 Actuals	FY 1998 Actuals	FY 1999 Actuals	FY 2000	FY 2001	FY2002	FY 2003	FY 2004	LIFE CYCLE
ART S&M									
NE Legacies	780	490	402	413	513	513	478	480	
309 Bldg	744	714	458	709	797	797	768		
TOTAL	1 524	1,204	860	1 122	1 310	1 310	1 244	460	9,437
ART Deactivation									
NE Legacies	1 813	1 214	84	86	1 265	1 286	596	528	6 857
309 Bldg	1 280	231	531	110	1 063	1 227	50	0	4 628
FFTF Costs	9 929	36 853							46 782
Escalation					71	150	109	77	407
PERFORMANCE BASELINE	14 546	39 502	1 475	1 318	3 709	3 973	1 999	1 065	68 111
RL Direct Funded			79	100	100	100	100	100	598
Escalation					2	4	6	9	21
TP11 TOTAL	14 546	39 502	1 554	1 418	3 811	4 077	2 105	1,174	68 730

TABLE 4 2 FFTF COSTS BY FISCAL YEAR

	FY 1997 Actuals	FY 1998 Actuals	FY 1999 Actuals	FY 2000	FY 2001	FY2002	FY 2003	FY 2004	LIFE CYCLE
FFTF Costs	28,433		37,267	41,812	TBD	TBD	TBD	TBD	TBD
Escalation									
PERFORMANCE BASELINE	28,433		37,267	41,812					
Spare Parts Transfer	9,804								
RL Direct Funded			77	98					
Escalation									
NE TOTAL	38 237	0	37 344	41 910					

TABLE 4 3 PHMC FEE ALLOCATION**
(Dollars in \$000 s)

CaCN	Description	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
101557	FFTF TPO	1,932	1,376	2,000	TBD	TBD	TBD	TBD
101541	NE Legacies Occupancy	82	28	35	120	120	85	100
101547	309 Building Facility	80	36	45	120	120	95	0
	TOTAL	2,094	1,440	2,080	240	240	180	100

** Fee was funded from G&A in FY 1997

TABLE 4.4 FY 2000 COST BASELINE
ADVANCED REACTORS TRANSITION

WBS No	CaCN	Title	Manager	FY 2000 Budget (\$K)
1 12 1		ADVANCED REACTORS TRANSITION		
1 12 1 1		NE Legacy Facilities		
1 12 1 1 1		Maintain Safe & Compliant NE Legacy Facilities		-
1 12 1 1 1 1	101541	NE Legacies Occupancy	W F Brehm	413
1 12 1 1 2		Transition NE Legacy Facilities		-
1 12 1 1 2 1	101542	Remove and Ship 337 Controls & Piping	W F Brehm	0
1 12 1 1 2 2	101543	Clean 221 T Tanks	W F Brehm	86
1 12 1 1 2 3	101544	Complete Options for Non-Rad Sodium	W F Brehm	0
1 12 1 1 2 4	101545	Clean 3718-M Storage Tank	W F Brehm	0
1 12 1 1 2 5	101546	NE Legacy Support	W F Brehm	0
1 12 1 1 2 6	110009	337B Crane Repair	W F Brehm	0
1 12 1 2		309 Facility		
1 12 1 2 1		Maintain Safe & Compliant 309 Building		-
1 12 1 2 1 1	101547	309 Building Facility	I L Metcalf	709
1 12 1 2 2		Transition 309 Facility		-
1 12 1 2 2 1	101548	Transition TW Tank Farm	I L Metcalf	0
1 12 1 2 2 2	101549	Stabilize PRTR Fuel Storage Basin	I L Metcalf	0
1 12 1 2 2 3	101550	Stabilize PRTR Reactor Cavity	I L Metcalf	0
1 12 1 2 2 4	101551	Fuel Exam Cell	I L Metcalf	0
1 12 1 2 2 5	101552	Stabilize PRTR Fuel Transfer Pit	I L Metcalf	110
1 12 1 2 2 6	101553	Clean Out Balance PRTR Containment	I L Metcalf	0
1 12 1 2 2 7	101554	Stabilize 309 Bldg Stacks and Pit	I L Metcalf	0
1 12 1 2 2 8	101555	Facility Document Updates	I L Metcalf	0
1 12 1 2 2 9	101556	Transition 309 Building to Shutdown	I L Metcalf	0
				1,318

TABLE 4 4 FY 2000 COST BASELINE (Cont'd)
FAST FLUX TEST FACILITY

WBS No	CaCN	Title	Manager	Budget (\$K)
21112111		FAST FLUX TEST FACILITY		
211121111		Maintain Safe and Compliant Materials in FFTF		
2111211111		Project Management		
21112111111	101557	TPO Program Management	R K Hulvey	3,196
21112111112	101558	Project Control, Planning and Scheduling	W V Witherspoon	789
21112111113	101559	Integration Management	D A Gantt	507
21112111114	101560	SRID Administration	W L Marshall	258
21112111115	101561	Standby Project Support	J R Montano	1,175
211121111113	110245	EIS Support	S Guttenberg	320
211121111114	111910	Human/Industrial Relations	J R Montano	0
2111211112		Material & Property Security		
21112111121	101562	FFTF Material & Property Security	D A Gantt	4,436
2111211113		Inventory Control		
21112111131	101563	Spare Parts Inventory Change	J R Montano	149
21112111132	101564	Spare Parts Withdrawal / Returns	J R Montano	71
2111211114		FFTF Standby Operations		
21112111141	101565	Operations Mgmt & Support	S V Doebler	6,055
21112111143	101566	Opes Analysis and Support	R L Mounce	1,175
21112111144	101567	Opes Training Support	D J Rovira	744
21112111145	101568	Opes Policies and Procedures Support	D J Rovira	79
21112111147	112099	Opes Consumables	S V Doebler	2,226
21112111148	112100	SOE Plant Operations	S V Doebler	714
21112111149	112101	EDS Plant Operations	S V Doebler	503
2111211115		Self Assessments & Support		
21112111151	101569	Radiological Management Support	L A Nelsen	989
21112111152	101570	Environmental Support	S E Killoy	855
21112111153	101571	Sampling and Lab Support	S E Killoy	78
21112111154	101572	Waste Characterization Support	S E Killoy	83
21112111155	101573	Pollution Prevention Support	S E Killoy	10
21112111156	101574	LLW Disposal	S E Killoy	31
21112111157	101575	Waste Disposal	S E Killoy	34
21112111158	101576	Safety Support	R O Zimmerman	945
21112111159	101577	Quality Assurance	R O Zimmerman	502
2111211116		Maintain FFTF Sys Design		
21112111161	101578	Engineering Mgmt Support	S Guttenberg	284
21112111162	101579	Aux Sys Electrical Eng Support	S H Crow	1,260
21112111163	101580	Mechanical Eq & Inservice Support	D L Polzin	826
21112111164	101581	RSM Engineering Mgmt Support	T M Burke	912
21112111167	101584	G-3 Generator Repair/Material Purchases	T M Burke	12
2111211117		FFTF Maintenance		
21112111171	101585	Maintenance Support	G J Boehnke	8,609
2111211118		FMEF		
21112111181	101586	FMEF S&M Support	S V Doebler	271
211121112		Remove Materials from FFTF		
2111211121		Fuel Handling		
21112111212	101587	Fuel Handling Support	G N Ruge	940
2111211122		SWC		
21112111222	101588	SWC Support	S W Hiller	978
2111211124		CLEM Upgrade		
21112111241	101590	CLEM Upgrade Support	G N Ruge	400
2111211125		IEM Cell & Refueling Admin		
21112111251	101591	IEM Cell & Refueling Mech Eng Support	S W Hiller	1,038
2111211126		SRS C1167		
21112111261	101592	SRS C1167 Support	G N Ruge	356
				41,812

TABLE 4 5 FY 2000 BUDGET AUTHORITY

Funding Type/Source	RL-TP11	FFTF
FY 2000 Appropriation (Expected)	\$1,418	\$40,000
RL Hold Back for Direct Funded Support (Expected)	-100	-98
New Budget Authority	\$1,318	\$39,902
Project Carryover	0	\$1,900
TOTAL PLANNED B/A	\$1,318	\$41,802

5 0 RESOURCE LOADED SCHEDULE BASIS

The Resource Loaded Schedule (RLS) is the result of a multi-step process. The steps involve developing project plans, a work breakdown structure, detailed workscope and logic relationships and resource assignments. The resulting information was input to the Primavera Project Planner (P3)¹ computer program. This software program is a site wide project management-scheduling standard.

5 1 Methodology and Historical Basis

The initial development of the FFTF Transition Project RLS is described in Reference 13. The RLS has been managed by formal change control since being interfaced with the Hanford Site Financial Data System at the beginning of FY 1995. The NE Legacies and 309 Building activities were added into the RLS as it matured and this workscope was added to the ART Program. The RLS became the ART Program RLS in 1995.

The RLS continues to be maintained as an activity based document. Baseline estimates are periodically reviewed and revised as workscope is better defined and project experience adds to the historical basis. Baseline adjustments are documented and entered into the P3 database in the normal course of project development.

Cognizant plant personnel for assigned tasks develop estimates. These estimates are reviewed and revised on a periodic basis and as new information is developed through changes in guidance or through experience.

5 2 Basic Data and Estimate Backup Sheets

The development and maintenance of the RLS is directly supported by a large set of basic data and estimate backup sheets (referred to as backup files). These files document the assumptions, resource needs and estimated costs of transition activities. The current estimate basis is documented on "Cost Estimate Input Sheets" which document the FY 2000 planning basis.

Several other types of backup files are available to support this RLS. One such group of files is the System Shutdown Assessment Plans for each FFTF system. FFTF Engineering developed these plans as the baseline documents for initial input to the RLS and system and component shutdown technical planning. The plans are issued as Supporting Documents and are maintained by formal change control. These files can be accessed through the FFTF Engineering group.

A more recent set of estimate inputs (FY 1997) were entered on Excel spreadsheet task/activity planning and estimating sheets, which provided data electronically into both Project/2, Series X (P/X)² and the Interactive Estimating Software Tool (IEST) data base. P/X has subsequently been converted to P3. These estimates were updated again as a part of the fiscal year planning process.

The resource estimate and logic file provides a historical basis and an estimate basis. This file is based upon the System Shutdown Assessment Plans. The data was directly input into the P/X software database, from which the resource loaded schedules and cost estimates at the task package level were developed. As more knowledge is gained on specific activities, the level of detail applied to logic and resource needs can be enhanced. These files can be obtained from the FFTF Planning and Scheduling Integration group.

¹ P3 and Primavera Project Planner are trade names of Primavera Systems, Inc.

² Project/2, Series X (P/X) is a trade name of Project Software & Development, Inc.

Other backup files include historical data from the Job Control System-Automated Data Program (e.g., corrective and preventive maintenance performance of compliance activities in the areas of operational surveillances, environmental and fire system compliance checks and instrument calibrations) detailed refueling plans IEM Cell work plans past Plan-of-the-Day scheduling meetings and special operational procedures. These files can be obtained from the FFTF Planning and Scheduling Integration group and FFTF Maintenance organization.

The PRTR/309 Building estimates were initially performed by an outside contractor and documented in reference 4. The project management team, based upon actual performance during deactivation, has refined these estimates.

All changes to the P3 database affecting the program baseline are formally documented using a Baseline Change Request (BCR) form. These BCRs, which contain a description of the change and justification, also become part of the RLS backup files. They can be obtained from the FFTF Planning and Scheduling Integration group.

5.3 Cost Estimate Reviews

During the periodic updates of the cost estimate, representatives of the RL project office provide oversight and review. Selected portions of the cost estimate have been reviewed as a part of the RL process to validate the budget request process. In addition, two more complete independent reviews have been conducted.

Project Time & Cost, Inc. (PT&C) conducted an independent review of the cost estimate process and results during the time period September 1995 through March 1996. This review focused on the FFTF transition to shutdown costs for the FFTF and also reviewed cost estimates for NE Legacies and 309 Facility deactivation. Recommendations from this review were evaluated and incorporated into the baseline as appropriate.

RL Mission Planning Division, accompanied by representatives from DOE-HQ, office of Nuclear Energy Science and Technology (NE) and Chief Financial Officer (CFO), conducted a review of the FFTF standby cost estimate in November 1999. The review team concluded that the management systems used to develop project budgets and control costs were adequate and the FY 2000 planning estimate was complete and well documented.¹⁶

8.0 BASELINE CHANGE CONTROL

Changes to the ART Program cost schedule and technical baselines are managed and controlled in compliance with the RL Project Management System (Reference 14) and HNF-PRO-533. The project plans, the RLS, and the current ART Program MYWP define the ART baseline. The RLS provides project cost and schedule information consistent with the project plans. The ART Program MYWP is the authorizing document for implementation of the project plans and the RLS. The plans, RLS, and MYWP are supporting documents controlled by formal change control via engineering change notice.

The following software systems track project baseline information at the site level:

Hanford Site Technical Data Base (HSTD) tracks site integration level information from the "Technical Baseline."

P-3 provides the project cost and schedule baseline. Baseline and performance information is transferred from this software to PERF performance module and from PERF to the Hanford Data Integration* (HANDI) module. PERF and HANDI, however, are data collection and reporting tools; the baseline is maintained in P3.

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7 0 REFERENCES

- 1 HNF-SD-FF-SSP-056, Rev 1 "Fast Flux Test Facility Standby Plan," B&W Hanford Company January 30 1998**
- 2 WHC-SD-FF-MP-001 Rev 1, "Hanford Site Sodium Management Plan," Westinghouse Hanford Company September 26 1995**
- 3 Deleted**
- 4 WHC-SD-SP-SSP-001 Rev 1 "309 Building Transition Plan," Westinghouse Hanford Company, April 28, 1995**
- 5 Hanford Data Integration (Handi) data base "Fiscal Year 2000 Multi-Year Work Plan Advanced Reactors Transition Program " 10/1/99 version**
- 6 DOE Press Release R-97-002 "Energy Department s Hanford Reactor put on 'Hot Standby '" dated January 15 1997**
- 7 Letter, S A Sieracki, RL to H J Hatch FDH "Contract No DE-AC06-96RL13200 Advanced Reactors Transition (ART) Program Direction " 97-TPD-003 dated January 18 1997**
- 8 Letter L J Olguin FDH to W F Heer BWHC "Contract No DE-AC06-96RL13200 Advanced Reactors Transition (ART) Project Direction " 9751456A R1, dated March 4, 1997**
- 9 Memorandum, D A Dreyfus Acting Director Office of Nuclear Energy, to J D Wagoner, RL "Commence Fast Flux Test Facility Shutdown (FFTF) Activities " dated December 15 1993**
- 10 Letter, J D Wagoner RL to T M Anderson WHC "Fast Flux Test Facility (FFTF) Shutdown " OTD OAF dated December 15 1993**
- 11 WHC-SD-FF-SSP-004 Rev 3 "Fast Flux Test Facility Stabilization Project Plan," B&W Hanford Company November 15 1996**
- 12 Deleted**
- 13 WHC-SD-FF-SSP-050, Rev 1 Fast Flux Test Facility Transition Project Resource Loaded Schedule " Westinghouse Hanford Company October 31 1994**
- 14 DOE 4700 1 Rev 2 "Project Management System " U S Department of Energy June 2 1992**
- 15 Deleted**
- 16 Letter, Keith A Klein, DOE-RL to Michael L Telson and William D Magwood DOE-HQ FFTF Standby Budget Evaluation Report letter number MPD EJ90-00-MPD-005 dated December 16, 1999**

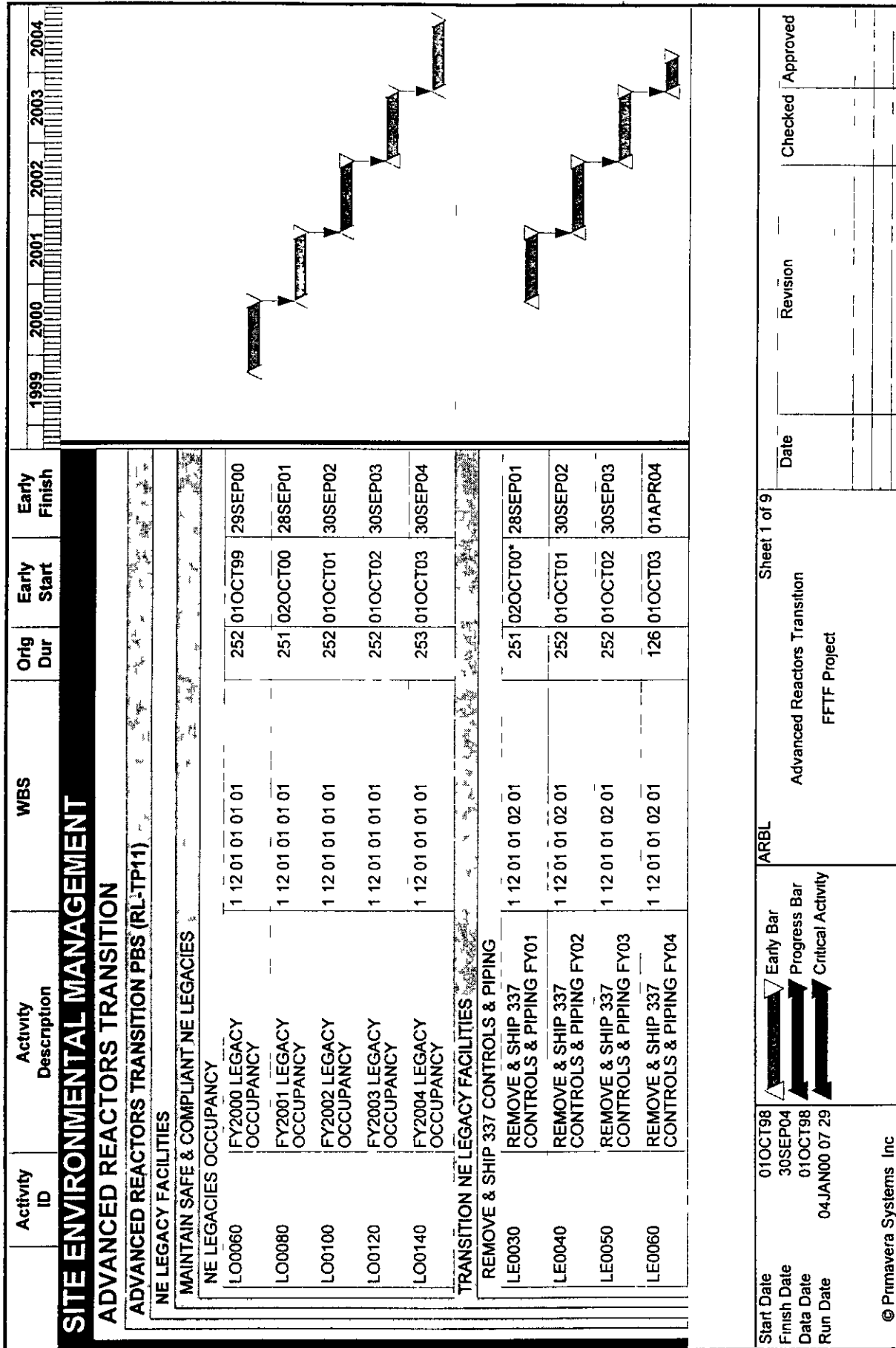
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APPENDIX A

SCHEDULES

<u>Project</u>	<u>Page</u>
Advanced Reactors Transition	
NE Legacy Facilities	87
309 Building Facility	88
Fast Flux Test Facility	97

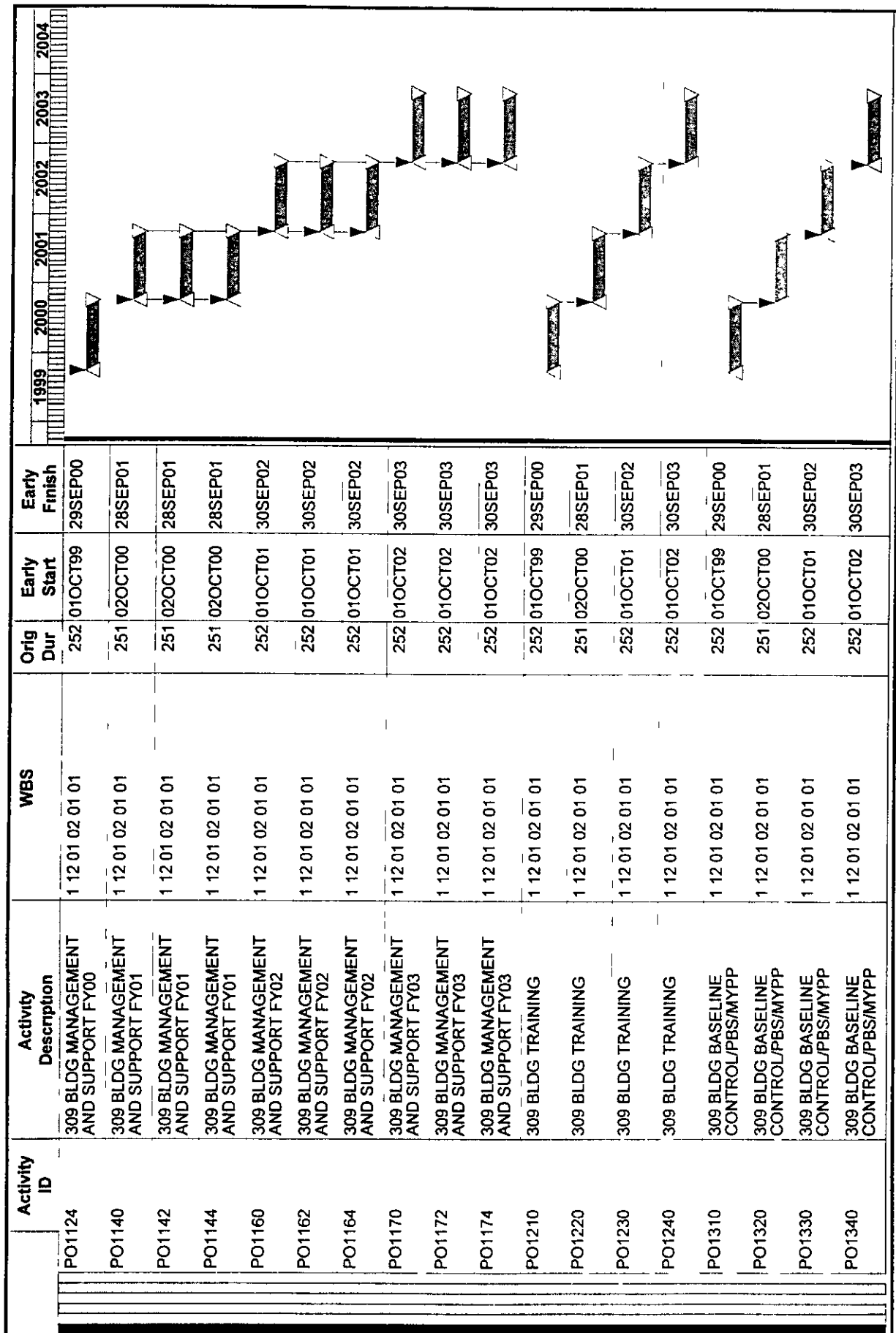
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Finish Date	30SEP04	Advanced Reactors Transition	
Data Date	01OCT98	FFTF Project	
Run Date	04JAN00 07 29		
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		Revision	
		Checked	
		Approved	

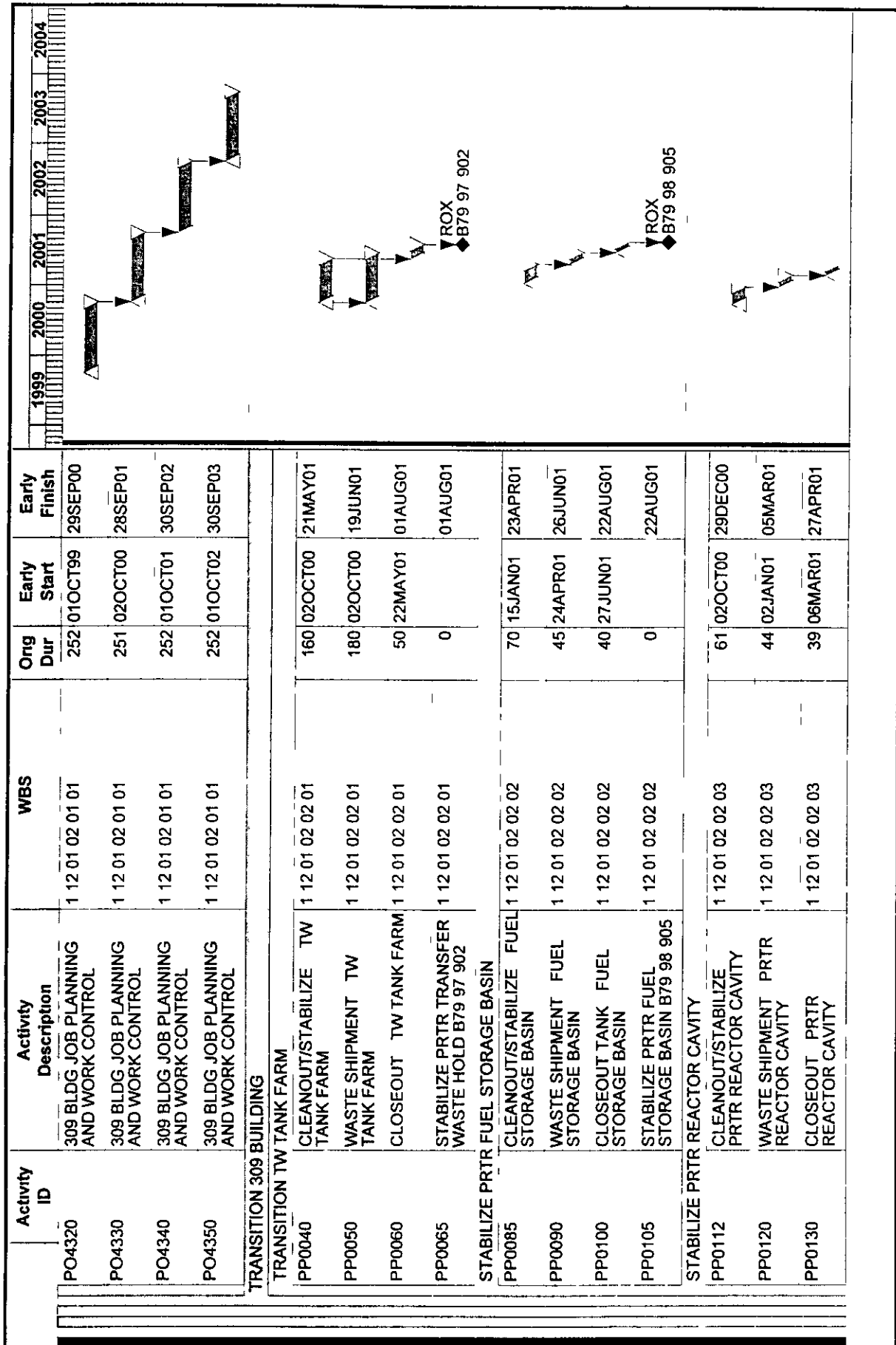
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CLEAN 221 T TANKS						
LE0078		CLEAN 221 T & WETTING STATION TANKS FY00	1 12 01 01 02 02	189	01OCT99	30JUN00
COMPLETE OPTIONS FOR NON RAD SODIUM						
LE0090		Drain/Clean CRCTA Vessel FY01	1 12 01 01 02 03	127	02APR01	28SEP01
LE0100		Drain/Clean CRCTA Vessel FY02	1 12 01 01 02 03	252	01OCT01	30SEP02
LE0105		MX 92 11 T01 COMPL DISP OPTIONS FOR NR SODIUM	1 12 01 01 02 03	0		29MAR02
CLEAN 3718 M STORAGE TANK						
LE0130		CLEAN 3718 M STORAGE TANK FY02	1 12 01 01 02 04	126	03APR02	30SEP02
LE0140		CLEAN 3718 M STORAGE TANK FY03	1 12 01 01 02 04	252	01OCT02	30SEP03
LE0150		CLEAN 3718 M STORAGE TANK FY04	1 12 01 01 02 04	64	01OCT03	05JAN04
NE LEGACY SUPPORT						
LE0170		FY 2001 NE LEGACIES NA DISPOSITION PRJ SUPP	1 12 01 01 02 05	251	02OCT00	28SEP01
LE0180		FY 2002 NE LEGACIES NA DISPOSITION PRJ SUPP	1 12 01 01 02 05	252	01OCT01	30SEP02
LE0190		FY 2003 NE LEGACIES NA DISPOSITION PRJ SUPP	1 12 01 01 02 05	252	01OCT02	30SEP03
LE0200		FY 2004 NE LEGACIES NA DISPOSITION PRJ SUPP	1 12 01 01 02 05	253	01OCT03	30SEP04
337 B CRANE REPAIR						
LE0410		337 B CRANE REPAIR	1 12 01 01 02 06	251	02OCT00	28SEP01
309 FACILITY						
MAINT SAFE & COMPL 309 BLDG						
309 BUILDING FACILITY						
PO1120		309 BLDG MANAGEMENT AND SUPPORT FY00	1 12 01 02 01 01	252	01OCT99	29SEP00
PO1122		309 BLDG MANAGEMENT AND SUPPORT FY00	1 12 01 02 01 01	252	01OCT99	29SEP00

Sheet 2 of 9

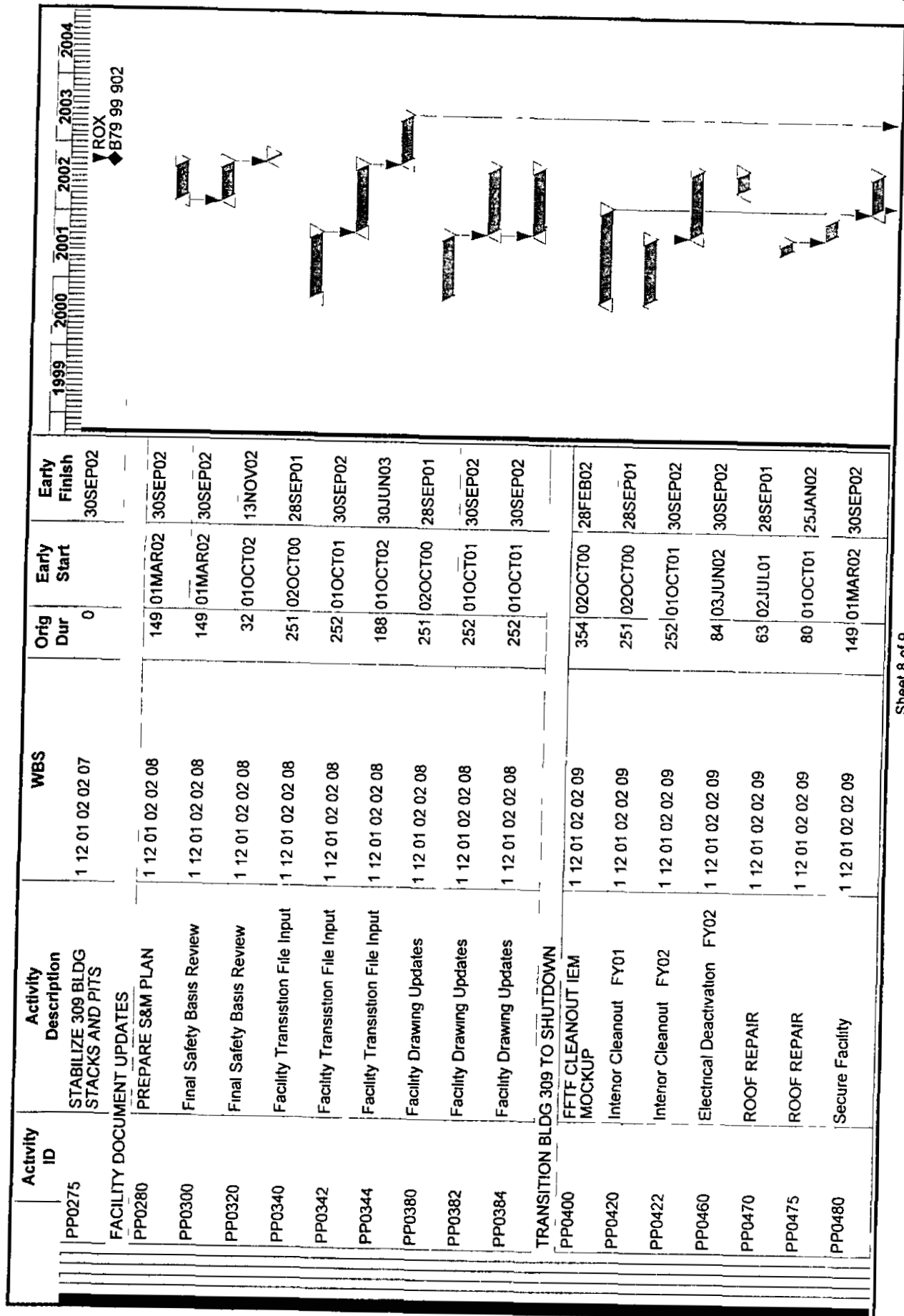


Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish
PO1410	309 BLDG UTILITIES AND ASSESSEMENTS	1 12 01 02 01 01	252	01OCT99	29SEP00
PO1420	309 BLDG UTILITIES AND ASSESSEMENTS	1 12 01 02 01 01	251	02OCT00	28SEP01
PO1430	309 BLDG UTILITIES AND ASSESSEMENTS	1 12 01 02 01 01	252	01OCT01	30SEP02
PO1440	309 BLDG UTILITIES AND ASSESSEMENTS	1 12 01 02 01 01	252	01OCT02	30SEP03
PO2210	309 BLDG PROCEDURE PREPERATION AND MAINT	1 12 01 02 01 01	252	01OCT99	29SEP00
PO2220	309 BLDG PROCEDURE PREPERATION AND MAINT	1 12 01 02 01 01	251	02OCT00	28SEP01
PO2230	309 BLDG PROCEDURE PREPERATION AND MAINT	1 12 01 02 01 01	252	01OCT01	30SEP02
PO2240	309 BLDG PROCEDURE PREPERATION AND MAINT	1 12 01 02 01 01	252	01OCT02	30SEP03
PO2310	309 BLDG INDEPENDENT OVERSITE	1 12 01 02 01 01	252	01OCT99	29SEP00
PO2320	309 BLDG INDEPENDENT OVERSITE	1 12 01 02 01 01	251	02OCT00	28SEP01
PO2330	309 BLDG INDEPENDENT OVERSITE	1 12 01 02 01 01	252	01OCT01	30SEP02
PO2340	309 BLDG INDEPENDENT OVERSITE	1 12 01 02 01 01	252	01OCT02	30SEP03
PO2410	309 BLDG MANAGEMENT ASSESSEMENTS	1 12 01 02 01 01	252	01OCT99	29SEP00
PO2420	309 BLDG MANAGEMENT ASSESSEMENTS	1 12 01 02 01 01	251	02OCT00	28SEP01
PO2430	309 BLDG MANAGEMENT ASSESSEMENTS	1 12 01 02 01 01	252	01OCT01	30SEP02
PO2440	309 BLDG MANAGEMENT ASSESSEMENTS	1 12 01 02 01 01	252	01OCT02	30SEP03
PO2510	309 BLDG ENVIRONEMTNETAL	1 12 01 02 01 01	252	01OCT99	29SEP00
PO2520	309 BLDG ENVIRONEMTNETAL	1 12 01 02 01 01	251	02OCT00	28SEP01

Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish
PO2530	309 BLDG ENVIRONEMTNAL	1 12 01 02 01 01	252	01OCT01	30SEP02
PO2540	309 BLDG ENVIRONEMTNAL	1 12 01 02 01 01	252	01OCT02	30SEP03
PO3110	309 BLDG BUILDING OPERATIONS SURVEILLANCE	1 12 01 02 01 01	252	01OCT99	29SEP00
PO3120	309 BLDG BUILDING OPERATIONS SURVEILLANCE	1 12 01 02 01 01	251	02OCT00	28SEP01
PO3130	309 BLDG BUILDING OPERATIONS SURVEILLANCE	1 12 01 02 01 01	252	01OCT01	30SEP02
PO3140	309 BLDG BUILDING OPERATIONS SURVEILLANCE	1 12 01 02 01 01	252	01OCT02	30SEP03
PO3210	309 BLDG HEALTH PHYSICS SURVEILLANCE	1 12 01 02 01 01	252	01OCT99	29SEP00
PO3220	309 BLDG HEALTH PHYSICS SURVEILLANCE	1 12 01 02 01 01	251	02OCT00	28SEP01
PO3230	309 BLDG HEALTH PHYSICS SURVEILLANCE	1 12 01 02 01 01	252	01OCT01	30SEP02
PO3240	309 BLDG HEALTH PHYSICS SURVEILLANCE	1 12 01 02 01 01	252	01OCT02	30SEP03
PO4110	309 BLDG CORECTIVE MAINTENANCE	1 12 01 02 01 01	252	01OCT99	29SEP00
PO4120	309 BLDG CORECTIVE MAINTENANCE	1 12 01 02 01 01	251	02OCT00	28SEP01
PO4130	309 BLDG CORECTIVE MAINTENANCE	1 12 01 02 01 01	252	01OCT01	30SEP02
PO4140	309 BLDG CORECTIVE MAINTENANCE	1 12 01 02 01 01	252	01OCT02	30SEP03
PO4220	309 BLDG PREVENTIVE MAINTENANCE	1 12 01 02 01 01	252	01OCT99	29SEP00
PO4230	309 BLDG PREVENTIVE MAINTENANCE	1 12 01 02 01 01	251	02OCT00	28SEP01
PO4240	309 BLDG PREVENTIVE MAINTENANCE	1 12 01 02 01 01	252	01OCT01	30SEP02
PO4250	309 BLDG PREVENTIVE MAINTENANCE	1 12 01 02 01 01	252	01OCT02	30SEP03



		199920002001200220032004				
Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish	
STABILIZE PRTR FUEL TRANSFER PIT						
PP0160	CLEANOUT/STABILIZE FY00 FUEL TRANSFER PIT	1 12 01 02 02 05	63	03JUL00	29SEP00	
PP0165	CLEANOUT/STABILIZE FY01 FUEL TRANSFER PIT	1 12 01 02 02 05	57	02OCT00	21DEC00	
PP0170	WASTE SHIPMENT FUEL TRANSFER PIT	1 12 01 02 02 05	90	02OCT00	09FEB01	
PP0180	CLOSEOUT FUEL TRANSFER PIT	1 12 01 02 02 05	49	12FEB01	20APR01	
PP0185	STABILIZE PRTR FUEL TRANSFER PIT B79 99 900	1 12 01 02 02 05	0		20APR01	
CLEAN OUT BALANCE PRTR CONTAINMENT						
PP0190	CHARACTERIZATION BALANCE OF CONTAINMENT	1 12 01 02 02 06	90	02JAN01	08MAY01	
PP0200	CLEANOUT/STABILIZE BALANCE OF CONTAINMENT	1 12 01 02 02 06	55	09MAY01	26JUL01	
PP0210	WASTE SHIPMENT BALANCE OF CONTAINMENT	1 12 01 02 02 06	90	09MAY01	14SEP01	
PP0220	CLOSEOUT BALANCE OF CONTAINMENT	1 12 01 02 02 06	45	27JUL01	28SEP01	
PP0225	CLEAN OUT BALANCE PRTR CONTAINMENT B79-99-901	1 12 01 02 02 06	0		28SEP01	
STABILIZE 309 BLDG STACKS AND PITS						
PP0229	CHARACTERIZATION HVAC STACKS AND PITS	1 12 01 02 02 07	54	16JUL01	28SEP01	
PP0230	CHARACTERIZATION HVAC STACKS AND PITS	1 12 01 02 02 07	71	01OCT01	14JAN02	
PP0240	CLEANOUT/STABILIZE HVAC STACKS AND PITS	1 12 01 02 02 07	100	15JAN02	05JUN02	
PP0250	Formaly Shutdown Stack HVAC STACKS AND PITS	1 12 01 02 02 07	61	06JUN02	30AUG02	
PP0260	WASTE SHIPMENT HVAC STACKS AND PITS	1 12 01 02 02 07	81	06JUN02	30SEP02	
PP0270	CLOSEOUT HVAC STACKS AND PITS	1 12 01 02 02 07	38	07AUG02	30SEP02	



Activity ID		Activity Description	WBS	Orig Dur	Early Start	Early Finish	1999 2000 2001 2002 2003 2004	
PP0490		Seal Facility Exterior	1 12 01 02 02 09	128	01APR02	30SEP02		
PP0510		TRANSITION BUILDING 309 TO SHUTDOWN B79-01 901	1 12 01 02 02 09	0		30JUN03		
							FOX B79-01 901	

THIS CHANGE INTENTIONALLY BLANK

Activity ID	Activity Description	WBS	Org Dur	Early Start	Early Finish
WORK FOR OTHERS					
HQ					
PHMC					
B&W					
NON EM AF79					
FFTF Project					
FFTF					
SAFE & COMPLIANT MTRL FFTF					
PROJECT PLANNING INTEGRATION					
TPO PROGRAM MANAGEMENT					
SB009	FY00 CONTINGENCY	2 01 01 01 21 01 01 01 01 01	20	01SEP00	29SEP00
SB012	FY00 TPO PROGRAM MANAGEMENT	2 01 01 01 21 01 01 01 01 01	252	01OCT99	29SEP00
SB022	FY00 TPO SAFETY OVERSIGHT/ISMS	2 01 01 01 21 01 01 01 01 01	252	01OCT99	29SEP00
SB032	FY00 TPO TRAINING	2 01 01 01 21 01 01 01 01 01	252	01OCT99	29SEP00
SB041	FY00 FEE	2 01 01 01 21 01 01 01 01 01	252	01OCT99	29SEP00
SB047	FY00 TPO SAFETY AND STAFF MEETINGS	2 01 01 01 21 01 01 01 01 01	252	01OCT99	29SEP00
SB169	CORRECTIVE ACTION MGMT WMH FY00	2 01 01 01 21 01 01 01 01 01	252	01OCT99	29SEP00
SB575	FFTF AVERAGE LABOR ADDER FY00	2 01 01 01 21 01 01 01 01 01	252	01OCT99	29SEP00
SB990	FY00 FEB ASSESSMENT	2 01 01 01 21 01 01 01 01 01	45	03JUL00	05SEP00

Start Date 01OCT98

Finish Date 30SEP04

Data Date 01OCT98

Run Date 04JAN00 07 23

ARBL

Advanced Reactors Transition

FFTF Project

Sheet 1 of 14

Date

Revision

Checked

Approved

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Activity ID		Activity Description	WBS	Orig Dur	Early Start	Early Finish
PROJECT CONTROL/PLANNING/SCHEDULEING						
SB055	FY00	PLANNING/SCHEDULEING	2 01 01 01 21 01 01 01 02	252	01OCT99	29SEP00
SB062	FY00	PROJECT CONTROL	2 01 01 01 21 01 01 01 02	252	01OCT99	29SEP00
SB072	FY00	MATERIAL CONTROL & ACCOUNTABILITY	2 01 01 01 21 01 01 01 02	252	01OCT99	29SEP00
SB082	FY00	FUEL CASK FIELD SUPPORT	2 01 01 01 21 01 01 01 02	252	01OCT99	29SEP00
SB092	FY00	ART GENERAL OPES SUPPORT	2 01 01 01 21 01 01 01 02	252	01OCT99	29SEP00
SB155	FY00	CORRECTIVE ACTION MGMT ADMIN	2 01 01 01 21 01 01 01 02	252	01OCT99	29SEP00
INTERGRATION MANAGEMENT						
SB102	FY00	INTERGRATION MGMT	2 01 01 01 21 01 01 01 03	252	01OCT99	29SEP00
SB112	FY00	SYSTEMS ENGINEERING	2 01 01 01 21 01 01 01 03	252	01OCT99	29SEP00
SRID ADMINISTRATION						
SB132	FY00	SRID ADMINISTRATION AND MAINTENANCE	2 01 01 01 21 01 01 01 04	252	01OCT99	29SEP00
STANDBY PROJECT SUPPORT						
SP0012	FY00	PLANT DIRECTOR'S OFFICE	2 01 01 01 21 01 01 01 05	252	01OCT99	29SEP00
SP0032	FY00	GENERAL FINANCIAL MANAGEMENT	2 01 01 01 21 01 01 01 05	252	01OCT99	29SEP00
SP0042	FY00	PROJECT OFFICE	2 01 01 01 21 01 01 01 05	252	01OCT99	29SEP00
SP0058	FY00	MIGRATION OF FFTF COMPUTER CODES	2 01 01 01 21 01 01 01 05	252	01OCT99	29SEP00
FFTF EIS SUPPORT						
SB900		MISSION RESERVE	2 01 01 01 21 01 01 01 13	150	01MAR00	29SEP00
SB950		EIS FFTF PLANT SUPPORT	2 01 01 01 21 01 01 01 13	252	01OCT99	29SEP00

Activity ID		Activity Description	WBS	Orig Dur	Early Start	Early Finish
SB975		NEPA ROD	2 01 01 01 21 01 01 01 01 13	0		31DEC00
MATERIAL & PROPERTY SECURITY (SAS)						
FFTF MATERIAL & PROPERTY SECURITY (SAS)						
SS0022		FY00 RISK ANALYSIS & ASSESSMENTS	2 01 01 01 21 01 01 01 02 01	252	01OCT99	29SEP00
SS0052		FY00 PATROL POOL	2 01 01 01 21 01 01 01 02 01	252	01OCT99	29SEP00
SS0062		FY00 EXTRA PATROL SERVICES	2 01 01 01 21 01 01 01 02 01	252	01OCT99	29SEP00
SS0085		FY00 SAFEGAURDS	2 01 01 01 21 01 01 01 02 01	252	01OCT99	29SEP00
SS0115		FY00 SAS PHYSICAL SECURITY	2 01 01 01 21 01 01 01 02 01	252	01OCT99	29SEP00
SS0175		FY00 SAS TECHNICAL SECURITY	2 01 01 01 21 01 01 01 02 01	252	01OCT99	29SEP00
INVENTORY CONTROL						
SPARE PARTS INVENTORY						
SK0020		FY00 SPARE PARTS INVENTORY CHANGE	2 01 01 01 21 01 01 01 03 01	252	01OCT99	29SEP00
SPARE PARTS WITHDRAWAL/RETURNS						
SL0020		FY00 SPARES WITHDRAWAL/RETURNS	2 01 01 01 21 01 01 01 03 02	252	01OCT99	29SEP00
FFTF STANDBY OPERATIONS						
OPERATIONS MGMT & SUPPORT						
SA0012		FY00 OPS STAFF SAFETY OM/ASM CREW MEET AY00	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00
SA0022		FY00 OPS MANAGEMENT DIRECTION AA30	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00
SA0034		FY00 OPS TRAINING IMPLEMENTATION AH30	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00
SA0054		FY00 OPS TRAINING ATTENDANCE AH50	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00
SA0064		FY00 GENERAL PROCESS/PLANT	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00

		1999	2000	2001	2002	2003	2004
Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish		
SA0074	FY00 OPS SURVEILLANCE EB00	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00		
SA0081	FY00 DO TEAM EJ00	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00		
SA0094	FY00 OPS MAINTENANCE SUPPORT FA30	2 01 01 01 21 01 01 01 04 01	252	01OCT99	29SEP00		
SA0300	VERIFY CONTINGENCY PLAN FOR Y2K	2 01 01 01 21 01 01 01 04 01	52	01OCT99	15DEC99		
SA0350	B10 00 003 VERIFY CONTINGENCY PLAN FOR	2 01 01 01 21 01 01 01 04 01	0		15DEC99		
OPES ANALYSIS & SUPPORT							
SM0812	FY00 FFTF TECHNICAL SUPPORT	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
SM0832	FY00 EMERGENCY PREPAREDNESS	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
SM0852	FY00 CRITICALITY SAFETY	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
SM0872	FY00 FFTF TSPEC COMPLIANCE	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
SM0892	FY00 SYSTEM PROCEDURE MAINTENANCE	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
SM0912	FY00 PM/ICRS ADMINISTRATION	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
SM0932	FY00 A&S SUPPORT SERVICES	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
SM0955	FY00 A&S MANAGEMENT ADMINISTRATION	2 01 01 01 21 01 01 01 04 03	252	01OCT99	29SEP00		
OPES TRAINING SUPPORT							
ST012	FY00 TRAINING MGMT SERVICES & GENERAL	2 01 01 01 21 01 01 01 04 04	252	01OCT99	29SEP00		
ST022	FY00 TRAINING PROGRAM ADMINISTRATION	2 01 01 01 21 01 01 01 04 04	252	01OCT99	29SEP00		
ST032	FY00 TRAINING DEVELOPMENT	2 01 01 01 21 01 01 01 04 04	252	01OCT99	29SEP00		
ST042	FY00 TRAINING IMPLEMENTATION	2 01 01 01 21 01 01 01 04 04	252	01OCT99	29SEP00		

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Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish								
ST051	FY00 TRAINING EVALUATION	2 01 01 01 21 01 01 01 04 04	252	01OCT99	29SEP00								
ST056	FY00 TRAINING ATTENDANCE	2 01 01 01 21 01 01 01 04 04	252	01OCT99	29SEP00								
OPES POLICIES & PROCEDURES SUPPORT													
ST062	FY00 POLICIES AND PROCEDURES	2 01 01 01 21 01 01 01 04 05	252	01OCT99	29SEP00								
OPES CONSUMABLES													
SA0100	FY00 FUEL OIL NITRO ARGON CHEM RADIOS &	2 01 01 01 21 01 01 01 04 07	252	01OCT99	29SEP00								
SOE PLANT OPERATIONS													
SA0110	FY00 SOE MEETINGS	2 01 01 01 21 01 01 01 04 08	252	01OCT99	29SEP00								
SA0120	FY00 SOE PROGRAM MANAGEMENT	2 01 01 01 21 01 01 01 04 08	252	01OCT99	29SEP00								
SA0130	FY00 SOE TRAINING IMPLEMENTATION	2 01 01 01 21 01 01 01 04 08	252	01OCT99	29SEP00								
SA0140	FY00 SOE TRAINING ATTENDANCE	2 01 01 01 21 01 01 01 04 08	252	01OCT99	29SEP00								
SA0150	FY00 SOE GENERAL PROCESS/PLANT	2 01 01 01 21 01 01 01 04 08	252	01OCT99	29SEP00								
SA0160	FY00 SOE SURVEILLANCE	2 01 01 01 21 01 01 01 04 08	252	01OCT99	29SEP00								
SA0170	FY00 SOE WORK CONTROL/CORRECTIVE	2 01 01 01 21 01 01 01 04 08	252	01OCT99	29SEP00								
EDS PLANT OPERATIONS													
SA0210	FY00 EDS MEETINGS	2 01 01 01 21 01 01 01 04 09	252	01OCT99	29SEP00								
SA0220	FY00 EDS PROGRAM MANAGEMENT	2 01 01 01 21 01 01 01 04 09	252	01OCT99	29SEP00								
SA0230	FY00 EDS TRAINING IMPLEMENTATION	2 01 01 01 21 01 01 01 04 09	252	01OCT99	29SEP00								
SA0240	FY00 EDS TRAINING ATTENDANCE	2 01 01 01 21 01 01 01 04 09	252	01OCT99	29SEP00								
SA0250	FY00 EDS GENERAL PROCESS/PLANT	2 01 01 01 21 01 01 01 04 09	252	01OCT99	29SEP00								

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Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish								
SA0260	FY00 EDS SURVEILLANCE	2 01 01 01 21 01 01 01 04 09	252	01OCT99	29SEP00								
SA0270	FY00 EDS WORK CONTROL/CORRECTIVE	2 01 01 01 21 01 01 01 04 09	252	01OCT99	29SEP00								
SELF ASSESSMENTS & SUPPORT													
RADIOLOGICAL MANAGEMENT SUPPORT													
RC0012	FY00 RADIOLOGICAL CONTROL PROGRAM	2 01 01 01 21 01 01 01 05 01	252	01OCT99	29SEP00								
RC0022	FY00 RADIOLOGICAL CONTROL TRAINING	2 01 01 01 21 01 01 01 05 01	252	01OCT99	29SEP00								
RC0032	FY00 RADIOLOGICAL CONTROL INSTR	2 01 01 01 21 01 01 01 05 01	252	01OCT99	29SEP00								
RC0042	FY00 RADIOLOGICAL CONTROL MAINTENANCE	2 01 01 01 21 01 01 01 05 01	252	01OCT99	29SEP00								
RC0052	FY00 RADIATION PROTECTION	2 01 01 01 21 01 01 01 05 01	252	01OCT99	29SEP00								
RC0062	FY00 RADIOLOGICAL CONTROL SURVEILLANCE	2 01 01 01 21 01 01 01 05 01	252	01OCT99	29SEP00								
RC0072	FY00 RADIOLOGICAL CONTROL CORRECTIVE	2 01 01 01 21 01 01 01 05 01	252	01OCT99	29SEP00								
ENVIRONMENTAL SUPPORT													
SC0012	FY00 ENVIRONMENTAL TRAINING	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00								
SC0022	FY00 INCIDENT EVALUATION	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00								
SC0032	FY00 ENVIRONMENTAL PLANNING	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00								
SC0042	FY00 ENVIRONMENTAL PERMITTING	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00								
SC0052	FY00 ENVIRONMENTAL COMPLIANCE	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00								
SC0062	FY00 ENVIRONMENTAL REPORTING AND	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00								
SC0072	FY00 CHEMICAL MANAGEMENT	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00								

Activity ID		Activity Description	WBS	Orig Dur	Early Start	Early Finish
SC544		FY00 WIDS SUPPORT	2 01 01 01 21 01 01 01 05 02	252	01OCT99	29SEP00
SAMPLING & LAB SUPPORT						
SC082		FY00 SAMPLING AND LAB	2 01 01 01 21 01 01 01 05 03	252	01OCT99	29SEP00
WASTE CHARACTERIZATION SUPPORT						
SC092		FY00 WASTE CHARACTERIZATION	2 01 01 01 21 01 01 01 05 04	252	01OCT99	29SEP00
POLLUTION PREVENTION SUPPORT						
SC102		FY00 POLLUTION PREVENTION	2 01 01 01 21 01 01 01 05 05	252	01OCT99	29SEP00
LLW DISPOSAL						
SC112		FY00 LLW DISPOSAL	2 01 01 01 21 01 01 01 05 06	201	01SEP00	29SEP00
WASTE DISPOSAL						
SC220		FY00 WASTE DISPOSAL 1ST QTR	2 01 01 01 21 01 01 01 05 07	201	02DEC99	03JAN00
SC222		FY00 WASTE DISPOSAL 2ND QTR	2 01 01 01 21 01 01 01 05 07	201	06MAR00	31MAR00
SC224		FY00 WASTE DISPOSAL 3RD QTR	2 01 01 01 21 01 01 01 05 07	201	05JUN00	30JUN00
SC226		FY00 WASTE DISPOSAL 4TH QTR	2 01 01 01 21 01 01 01 05 07	201	01SEP00	29SEP00
SAFETY SUPPORT						
SF012		FY00 SAFETY PROGRAM MANAGEMENT	2 01 01 01 21 01 01 01 05 08	252	01OCT99	29SEP00
SF022		FY00 SAFETY INDUSTRIAL HYGIENE	2 01 01 01 21 01 01 01 05 08	252	01OCT99	29SEP00
SF032		FY00 SAFETY FIRE PROTECTION	2 01 01 01 21 01 01 01 05 08	252	01OCT99	29SEP00
SF042		FY00 SAFETY/NUCLEAR	2 01 01 01 21 01 01 01 05 08	252	01OCT99	29SEP00
SF052		FY00 SAFETY/INDUSTRIAL	2 01 01 01 21 01 01 01 05 08	252	01OCT99	29SEP00
SF062		FY00 SAFETY TRAINING	2 01 01 01 21 01 01 01 05 08	252	01OCT99	29SEP00

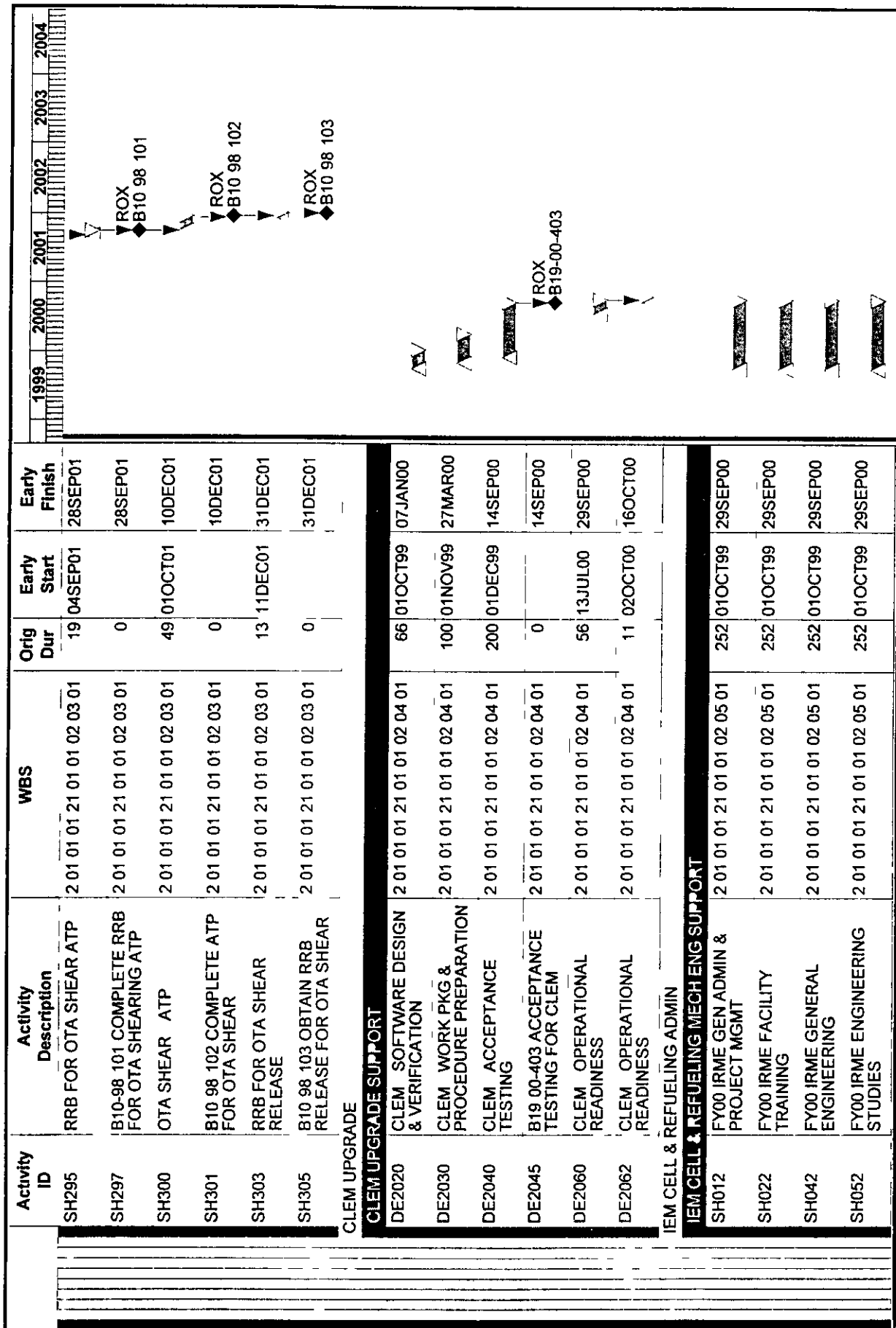
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QUALITY ASSURANCE												
SF082	FY00 QUALITY ASSURANCE		2 01 01 01 21 01 01 01 05 09	252	01OCT99	29SEP00						
MAINTAIN FFTF-SYS DESIGN												
ENGINEERING MGMT SUPPORT												
A2012	FY00 ART ENG MGT & ADMINISTRATION		2 01 01 01 21 01 01 01 06 01	252	01OCT99	29SEP00						
A2040	FY00 ART ENGINEERING MGT TRAINING		2 01 01 01 21 01 01 01 06 01	252	01OCT99	29SEP00						
AUX SYS ELECTRICAL ENG SUPPORT												
SE0012	FY00 ASEE ADMINISTRATIVE SUPPORT		2 01 01 01 21 01 01 01 06 02	252	01OCT99	29SEP00						
SE0022	FY00 ASEE TRAINING ATTENDANCE		2 01 01 01 21 01 01 01 06 02	252	01OCT99	29SEP00						
SE0032	FY00 ASEE GENERAL ENGINEERING		2 01 01 01 21 01 01 01 06 02	252	01OCT99	29SEP00						
SE0042	FY00 PERFORM NEC INSPECTION REVIEW &		2 01 01 01 21 01 01 01 06 02	252	01OCT99	29SEP00						
SE0052	FY00 ASEE PREVENTIVE/PREDICTIVE		2 01 01 01 21 01 01 01 06 02	252	01OCT99	29SEP00						
SE0062	FY00 ASEE CORRECTIVE MAINTENANCE WORK		2 01 01 01 21 01 01 01 06 02	252	01OCT99	29SEP00						
SE0071	FY00 TELECOMMUNICATIONS PO		2 01 01 01 21 01 01 01 06 02	252	01OCT99	29SEP00						
MECHANICAL EQ & INSERVICE SUPPORT												
SD0012	FY00 MECHANICAL ENGINEERING PROGRAM		2 01 01 01 21 01 01 01 06 03	252	01OCT99	29SEP00						
SD0022	FY00 MECHANICAL ENGINEERING TRAINING		2 01 01 01 21 01 01 01 06 03	252	01OCT99	29SEP00						
SD0032	FY00 GENERAL ENGINEERING		2 01 01 01 21 01 01 01 06 03	252	01OCT99	29SEP00						
SD0042	FY00 OPERATIONAL PROCEDURES MECH		2 01 01 01 21 01 01 01 06 03	252	01OCT99	29SEP00						
SD0052	FY00 FIELD SUPERVISION/PIC		2 01 01 01 21 01 01 01 06 03	252	01OCT99	29SEP00						

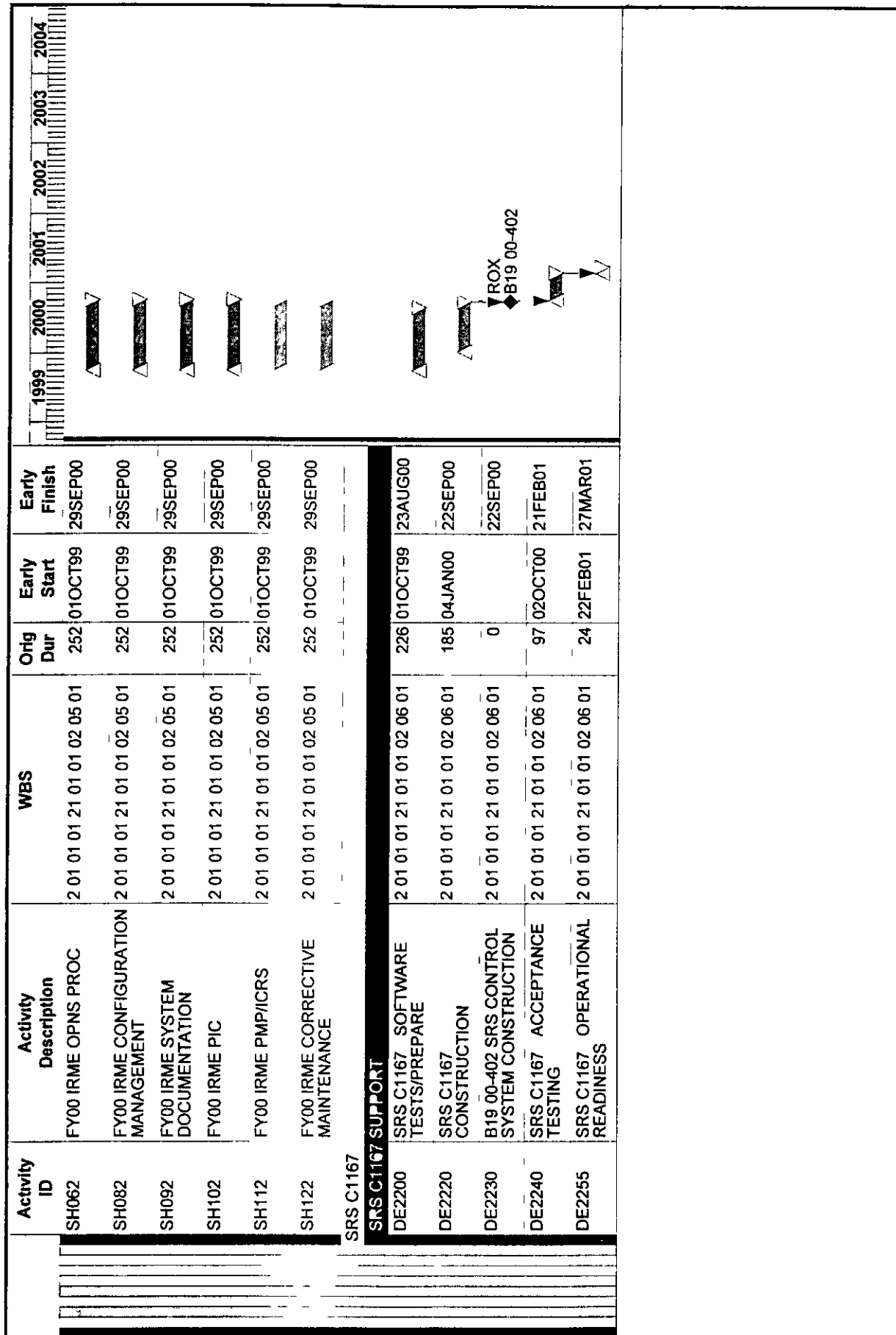
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Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish								
SD0062	FY00 PREVENTIVE/PREDICTIVE	2 01 01 01 21 01 01 01 06 03	252	01OCT99	29SEP00								
SD0072	FY00 CORRECTIVE MAINTENANCE MECH	2 01 01 01 21 01 01 01 06 03	252	01OCT99	29SEP00								
RSM ENGINEERING MGMT SUPPORT													
A0012	FY00 RSM ENG PROGRAM MANAGEMENT	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0022	FY00 FACILITY & GENERAL TRAINING ATTENDANCE	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0042	FY00 RSME GENERAL ENGINEERING	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0062	FY00 OPERATING PROCEDURES	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0072	FY00 CONFIGURATION MANAGEMENT	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0082	FY00 FIELD SUPERVISION/PIC	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0092	FY00 RSME ENGINEERING STANDARDS &	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0102	FY00 PREVENTATIVE MAINTENANCE SUPPORT	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0112	FY00 CORRECTIVE MAINT/MODIFICATIONS	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0113	FY00 RSM SYSTEM DOCUMENTATION	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
A0115	FY00 ENGINEERING STUDIES SUPPORT	2 01 01 01 21 01 01 01 06 04	252	01OCT99	29SEP00								
G-3 GENERATOR REPAIR/MATERIAL PURCHASE													
SE0082	FY00 PERFORM G 3 HALON CONCENTRATION TEST	2 01 01 01 21 01 01 01 06 07	25	01OCT99	04NOV99								
FFTF MAINTENANCE													
MAINTENANCE SUPPORT													
SN0442	FFTF PM s 4F/P OCT SEP FY00	2 01 01 01 21 01 01 01 07 01	252	01OCT99	29SEP00								
SN0562	LANDLORD PM s 4L/P OCT SEP FY00	2 01 01 01 21 01 01 01 07 01	252	01OCT99	29SEP00								

199920002001200220032004					
Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish
SN0682	MASF PM s 4MP/ OCT SEP FY00	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0722	PM MATERIAL BUDGET FY00	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0732	FY00 GENERAL MAINTENANCE	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0742	FY00 MAINTENANCE TRAINING ATTENDANCE	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0756	FY00 CORRECTIVE MAINTENANCE 1ST PERIOD	2 01 01 01 21 01 01 01 01 07 01	82	01OCT99	31JAN00
SN0757	B10-00-000 HEALTH OF FACILITY WORKPHASE 00 1	2 01 01 01 21 01 01 01 01 07 01	0		31JAN00
SN0758	FY00 CORRECTIVE MAINTENANCE 2ND PERIOD	2 01 01 01 21 01 01 01 01 07 01	85	01FEB00	31MAY00
SN0759	B10 00-001 HEALTH OF FACILITY WORKPHASE 00 2	2 01 01 01 21 01 01 01 01 07 01	0		31MAY00
SN075A	FY00 CORRECTIVE MAINTENANCE 3RD PERIOD	2 01 01 01 21 01 01 01 01 07 01	85	01JUN00	29SEP00
SN075B	B10-00 002 HEALTH OF FACILITY WORKPHASE 00 3	2 01 01 01 21 01 01 01 01 07 01	0		29SEP00
SN0761	FY00 CORRECTIVE MAINT MATERIALS & CONTRACTS	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0768	FY00 MAINT FIELD SUPERVISION AND PIC ACT	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0778	FY00 WORK CONTROL CENTER	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0796	FY00 FFTF PEST CONTROL	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0820	FY00 BACK FLOW PREVENTER MAINTENANCE	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
SN0830	FY00 PROCURE SPARE MHTS PUMP OIL SEALS	2 01 01 01 21 01 01 01 01 07 01	252	01OCT99	29SEP00
FMEF					
FMEF S & M SUPPORT					
FM0115	FY00 FMEF SURVEILLANCE AND MAINTENANCE	2 01 01 01 21 01 01 01 01 08 01	252	01OCT99	29SEP00

					1999	2000	2001	2002	2003	2004
Activity ID	Activity Description	WBS	Ong Dur	Early Start	Early Finish					
FM0155	FY00 FMEF PREVENTIVE/PREDICTIVE	2 01 01 01 21 01 01 01 08 01	252	01OCT99	29SEP00					
FM0215	FMEF FY00 PROVIDE ELECTRICITY	2 01 01 01 21 01 01 01 08 01	252	01OCT99	29SEP00					
FM0415	FMEF FY00 ELEVATOR MAINTENANCE CONTRACT	2 01 01 01 21 01 01 01 08 01	252	01OCT99	29SEP00					
FM0515	FMEF FY00 THIRD PARTY INSPECTION	2 01 01 01 21 01 01 01 08 01	252	01OCT99	29SEP00					
FM0710	FMEF FY00 PEST CONTROL SERVICE	2 01 01 01 21 01 01 01 08 01	252	01OCT99	29SEP00					
REMOVE MATERIAL FROM FFTF										
FUEL HANDLING										
FUEL HANDLING SUPPORT										
DE0900	CUSTODIAL SUPPORT OF HDTS DATA BASES FY00	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2072	FY00 FUEL HANDLING I&C PROG MGMT	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2082	FY00 FUEL HANDLING FACILITY TRAINING	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2102	FY00 FUEL HANDLING GENERAL ENGINEERING	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2122	FY00 FUEL HANDLING OPNS PROC	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2132	FY00 FUEL HANDLING EMERGENCY REPAIR	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2142	FY00 FUEL HANDLING CONFIG MGMT	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2152	FY00 FUEL HANDLING SYSTEM DOCUMENTATION	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2162	FY00 FUEL HANDLING PIC	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2172	FY00 FUEL HANDLING PMP/ICRS	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					
DE2182	FY00 FUEL HANDLING CORRECTIVE MAINTENANCE	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00					

Activity ID	Activity Description	WBS	Orig Dur	Early Start	Early Finish											
DE2302	FY00 DOCUMENT CONTROL & ADMINISTRATION	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00											
DE2312	FY00 FUEL HANDLING STUDIES	2 01 01 01 21 01 01 02 01 02	252	01OCT99	29SEP00											
SWC																
SWC SUPPORT																
SH160	B19 99-404 UPGRADE THE SOLID WASTE CASK (SWC)	2 01 01 01 21 01 01 02 02 02	0		29JUN01											
SH174	SWC DETAILED DESIGN	2 01 01 01 21 01 01 02 02 02	248	01OCT99	25SEP00											
SH175	B19 00 400 DEFINITIVE DESIGN FOR THE SWC	2 01 01 01 21 01 01 02 02 02	0		25SEP00											
SH176	SWC PROCUREMENT/FABRICATION	2 01 01 01 21 01 01 02 02 02	144	02OCT00	27APR01											
SH178	SWC FIELD INSTALLATION	2 01 01 01 21 01 01 02 02 02	119	22FEB01	09AUG01											
SH182	SWC ACCEPTANCE TESTING	2 01 01 01 21 01 01 02 02 02	153	01MAR01	04OCT01											
SH184	SWC OPERATIONAL READINESS	2 01 01 01 21 01 01 02 02 02	115	01MAY01	11OCT01											
SHEAR ATP																
SHEAR ATP SUPPORT																
SH230	OTA SHEAR DSWC PREPS	2 01 01 01 21 01 01 02 03 01	168	02OCT00	01JUN01											
SH240	OTA SHEAR FAB SUPPORT FIXTURE	2 01 01 01 21 01 01 02 03 01	41	02OCT00	29NOV00											
SH250	OTA SHEAR OPS AT IEMCTF (OP CERT)	2 01 01 01 21 01 01 02 03 01	43	01MAY01	29JUN01											
SH260	OTA SHEAR MOVE EQUIPMENT	2 01 01 01 21 01 01 02 03 01	21	02JUL01	31JUL01											
SH270	OTA SHEAR IEMC ELEC MOD	2 01 01 01 21 01 01 02 03 01	23	01AUG01	31AUG01											
SH280	OTA SHEAR PREPARE ATP	2 01 01 01 21 01 01 02 03 01	62	01FEB01	30APR01											
SH290	OTA SHEAR REMOVE WASTE CONT	2 01 01 01 21 01 01 02 03 01	20	15AUG01	12SEP01											





APPENDIX B

USAGE AND COSTS

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Advanced Reactors Transition	
FY 2000	
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ADVANCED REACTORS TRANSITION (FY00)
REPORT DATE 04JAN00
RUN NO 3008 30

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Resource Allocation/Cost by Activity Report									
309 BUILDING FACILITY									
ADVANCED REACTORS TRANSITION (FY00)									
REPORT DATE 04JAN00									
RUN NO 3008 30									
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	BUDGET RES UNITS COST
PO1120	101547	309 BLDG MANAGEMENT AND SUPPORT FY00	1B1D01	A010	19100	BG04N	BWMC Secretaries	230 00	HRS 6876
			1B1D01	AA30	19800	BW02E	BWMC Managers & Executives	350 00	HRS 29292
PO112	101547	309 BLDG MANAGEMENT AND SUPPORT FY00	1B1D01	AA30	19600	BW02E	BWMC Managers & Executives	324 00	HRS 27116
			1B1D01	A010	19600	BW02N	BWMC Office Clerks (General)	100 00	HRS 2702
PO1124	101547	309 BLDG MANAGEMENT AND SUPPORT FY00	1B1D01	AH10	19800	BW02E	BWMC Managers & Executives	40 00	HRS 3348
			1B1D01	AA30	19500	BW02E	BWMC Managers & Executives	100 00	HRS 8369
			1B1D01	A010	19500	BW02N	BWMC Office Clerks (General)	100 00	HRS 2702
PO1210	101547	309 BLDG TRAINING	1B1D01	AH50	19100	41	Training Services	5 00	\$ 5956
			1B1D01	AH50	19100	BE07E	BWMC - Mechanical Engineers	80 00	HRS 5618
			1B1D01	AH50	19100	BE10E	BWMC - Plant Engineers	80 00	HRS 4494
			1B1D01	AH50	19600	BP08E	BWMC - Health Physicists	40 00	HRS 2559
			1B1D01	AH50	61900	BT05B	BWMC Health Physics Technicians	60 00	HRS 3086
			1B1D01	AH50	61900	BR04B	BWMC Nuclear Plant Operators	60 00	HRS 3149
			1B1D01	AH 0	19800	BP15E	BWMC Trainers & Instructors	50 00	HRS 2795
PO1310	101 47	309 BLDG BASELINE CONTROL/PBS/MYPP	1B1D01	AQ00	19100	BE07E	BWMC Mechanical Engineers	160 00	HRS 11237
			1B1D01	AQ00	19100	BP01E	BWMC Accountants & Auditors	720 00	HRS 38952
PO1410	101 47	309 BLDG UTILITIES AND ACCESSORY	1B1D01	A0 0	19100	F	RPA R d tribution	1 40	\$ 10006
			1B1D01	FE00	19100	93	Waste Management NW	60	\$ 6784
			1B1D01	A020	19100	10	Material & Equipment	1 40	\$ 14771
			1B1D01	A020	19100	4V	Fleet	3 00	\$ 3574
			1B1D01	AA40	19100	71M	PIMC Fee	4 00	\$ 45000
			1B1D01	PC40	19100	94	Flt Northwest	19 0	\$ 239 5
			1B1D01	CB10	19100	3D	Offcr Hanford Contractors	7 0	\$ 8 77
			1B1D01	FE10	19100	23	Misc Purchased Services (Taxe	7 90	\$ 9410
			1B1D01	EA00	19100	3	Misc Purchased Services (Taxe	8 5	\$ 9827
			1B1D01	A0 0	65F00	3	Misc Purchased Services (Taxe	16 25	\$ 193 7
PO2 10	101547	309 BLDG PROCEDURE PREPERATION AND MAINT	1B1D01	AJ70	19100	97	Lockheed Martin Services Inc	00	\$ 2556
			1B1D01	BC10	19100	BE10E	BWMC Plant Engineers	50 00	HRS 4809
			1B1D01	BC10	19100	BE07E	BWMC Mechanical Engineers	100 00	HRS 7023
PO2310	101547	309 BLDG INDEPENDENT OVERSITE	1B1D01	AL20	19500	BE11E	BWMC Quality Control Engineer	40 00	HRS 7658
			1B1D01	CB70	19500	BE12E	BWMC Safety Engineers	140 00	HRS 8366
			1B1D01	CB20	19500	BP09E	BWMC Industrial Hygienists	40 00	HRS 2490
			1B1D01	CB30	19500	BE13E	BWMC Other Engineers	40 00	HRS 2779
PO 410	101547	309 BLDG MANAGEMENT ASSESSMENTS	1B1D01	AK10	19500	BE12E	BWMC Safety Engineers	40 00	HRS 390
			1B1D01	AK10	19500	BE05E	BWMC - Environmental Engineers	80 00	HRS 5730
			1B1D01	AK10	19500	BE11E	BWMC - Quality Control Engineer	80 00	HRS 5316
			1B1D01	AK10	19600	BP08E	BWMC - Health Physicists	120 00	HRS 7676

PO2510	101547	309 BLDG ENVIRONMENTAL COMPLIANCE	1B1D01 1B1D01	CA40 CA40	19100 19500	BE07E BE05E	BWHC - Mechanical Engineers BWHC Environmental Engineers	80 00 80 00	HRS HRS	5618 5730
101110	101 47	309 BLDG ENVIRONMENTAL COMPLIANCE	1B1D01 1B1D01 1B1D01	1B00 1B00 CB10	19100 19100 61900	BE07E BE05E BE04B	BWHC - Mechanical Engineers BWHC Environmental Engineers BWHC - Nuclear Plant Operators	170 00 170 00 470 00	HRS HRS HRS	1707 1707 24666
PO310	101547	309 BLDG HEALTH PHYSICS SURVEILLANCE	1B1D01 1B1D01 1B1D01	CB10 CB10 CB10	19600 61900 61900	BE08E BE05B BE04B	BWHC Health Physics Technicians BWHC Health Physics Technicians BWHC - Nuclear Plant Operators	200 00 400 00 120 00	HRS HRS HRS	12794 20576 6298
PO4110	101547	309 BLDG CORRECTIVE MAINTENANCE	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA20 FA20 FA20 BD00 BD00 FA20	19100 61900 61900 19100 19100 65600	10 BE04B BE05B BE10E BE07E CC00B	Material & Equipment BWHC - Nuclear Plant Operators BWHC - Health Physics Technicians BWHC - Plant Engineers BWHC - Mechanical Engineers DynC Crafts	5 00 198 00 120 00 225 00 125 00 240 00	\$ HRS HRS HRS HRS HRS	5956 10391 6173 12638 8779 14268 2149
PO4220	101547	309 BLDG PREVENTIVE MAINTENANCE	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA10 FA10 EA00 BD00 BD00 FA10	19100 61900 19100 19100 19100 65400	44 BE05B BE04E BE10E BE07E CL07B	Crane & Rigging Labor & Equip BWHC Health Physics Technicians BWHC Electrical Engineers BWHC Plant Engineers BWHC - Mechanical Engineers DynC Light Vehicle Drivers	6 00 100 00 110 00 225 00 225 00 32 00	\$ HRS HRS HRS HRS HRS	7147 5144 7795 1 638 15802 1532
PO4320	101547	309 BLDG JOB PLANNING AND WORK CONTROL	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA30 EJ00 EJ00 EJ00 EJ00 EJ00	19100 19100 19100 19100 19100 19100	BE13E BE04E BE07E BE10E BE13E BE17E	BWHC - Other Engineers BWHC Electrical Engineers BWHC - Mechanical Engineers BWHC Plant Engineers BWHC - Other Engineers BWHC Other Professionals	208 00 80 00 770 00 603 00 65 00 807 27	HRS HRS HRS HRS HRS HRS	14450 5669 54077 33871 4516 35221 708848

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ADVANCED REACTORS TRANSITION (FY01)
REPORT DATE 04JAN00
RUN NO 3008 32

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ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST
PO1140	101547	309 BLDG MANAGEMENT AND SUPPORT FY01	1B1D01	A010	19100	BG04N	BWHC - Secretaries	230 00	HRS	6994
			1B1D01	AA30	19800	BM02E	BWHC Managers & Executives	350 00	HRS	30006
PO1142	101547	309 BLDG MANAGEMENT AND SUPPORT FY01	1B1D01	AA30	19600	BM02E	BWHC Managers & Executives	324 00	HRS	27777
			1B1D01	A010	19600	BG02N	BWHC Office Clerks (General)	100 00	HRS	7767
PO1144	101547	309 BLDG MANAGEMENT AND SUPPORT FY01	1B1D01	AH10	19800	BM02E	BWHC Managers & Executives	40 00	HRS	3429
			1B1D01	AA30	19 00	BM02E	BWHC Managers & Executives	100 00	HRS	8573
			1B1D01	A010	19500	BG02N	BWHC - Office Clerks (General)	100 00	HRS	2767
			1B1D01	AH50	19100	41	Training Services	5 00	\$	5994
PO1 0	101547	309 BLDG TRAINING	1B1D01	AH50	19100	BE07E	BWHC - Mechanical Engineers	80 00	HRS	5755
			1B1D01	AH50	19100	BE10E	BWHC Plant Engineers	80 00	HRS	4603
			1B1D01	AH50	19600	BP08E	BWHC Health Physicists	40 00	HRS	2621
			1B1D01	AH50	61900	BP05B	BWHC - Health Physics Technicians	60 00	HRS	3162
			1B1D01	AH50	61900	BR04B	BWHC Nuclear Plant Operators	60 00	HRS	3226
			1B1D01	AH20	19800	BP15E	BWHC Trainers & Instructors	50 00	HRS	2863
PO13 0	101547	309 BLDG BASELINE CONTROL/PBS/WYPP	1B1D01	AQ00	19100	BE07E	BWHC - Mechanical Engineers	160 00	HRS	11510
			1B1D01	AQ00	19100	BP01E	BWHC Accountants & Auditors	720 00	HRS	34902
PO1420	101547	309 BLDG UTILITIES AND ASSESSEMENTS	1B1D01	A020	19100	5E	BPA Redistribution	8 40	\$	10070
			1B1D01	FE00	19100	93	Waste Management NW	5 60	\$	6915
			1B1D01	A020	19100	10	Material & Equipment	11 96	\$	14338
			1B1D01	A020	19100	4V	Fleet	3 00	\$	3596
			1B1D01	AA40	19100	71M	PHMC Fee	120 00	\$	120000
			1B1D01	BC40	19100	94	FD Northwest	19 50	\$	24545
			1B1D01	CB10	19100	3D	Other Hanford Contractors	7 0	\$	8631
			1B1D01	FF10	19100	23	Misc Purchased Services (Taxe	7 90	\$	9471
			1B1D01	EA00	19100	23	Misc Purchased Services (Taxe	8 25	\$	9890
			1B1D01	A020	65F00	23	Misc Purchased Services (Taxe	16 25	\$	19481
PO 0	101547	309 BLDG PROCEDURE PREPERATION AND MAINT	1B1D01	AJ70	19100	97	Lockheed Martin Services Inc	2 00	\$	2494
			1B1D01	BC10	19100	BE10E	BWHC - Plant Engineers	0 00	HRS	2877
			1B1D01	BC10	19100	BE07E	BWHC - Mechanical Engineers	100 00	HRS	7194
PO 3 0	101547	309 BLDG INDEPENDENT OVERSITP	1B1D01	AI 0	19500	BF11F	BWHC Quality Control Engnee	40 00	HRS	2723
			1B1D01	CH70	19500	BI1 1	BWHC Safety Trgtr	140 00	HRS	6 61
			1B1D01	CB 0	19500	BP09E	BWHC - Industrial Hygienists	40 00	HRS	2550
			1B1D01	CB30	19500	BE13E	BWHC - Other Engineers	40 00	HRS	2846
PO 4 0	101547	309 BLDG MANAGEMENT ASSESSMENTS	1B1D01	AK10	19 00	BE17E	BWHC Safety Engineers	40 00	HRS	448
			1B1D01	AK10	19500	BE05E	BWHC Environmental Engineers	80 00	HRS	5869
			1B1D01	AK10	19500	BE11E	BWHC Quality Control Engnee	80 00	HRS	5446
			1B1D01	AK10	19600	BP08E	BWHC Health Physicists	120 00	HRS	7864

PO2520	101547	309 BLDG ENVIRONMENTAL COMPLIANCE	1B1D01 1B1D01	CA40 CA40	19100 19500	BE07E BE05E	BWMC - Mechanical Engineers BWMC - Environmental Engineers	80 00 80 00	HRS HRS	5755 5869
PO3120	101547	309 BLDG BUILDING OPERATIONS SURVEILLANCE	1B1D01 1B1D01 1B1D01	EB00 EB00 CB10	19100 19100 61900	BE10E BE07E BR04B	Plant Engineers BWMC - Mechanical Engineers BWMC - Nuclear Plant Operators	130 00 120 00 470 00	HRS HRS HRS	7480 8633 25267
PO3220	101547	309 BLDG HEALTH PHYSICS SURVEILLANCE	1B1D01 1B1D01 1B1D01	CB10 CB10 CB10	19600 61900 61900	BP08E BT05B BR04B	BWMC - Health Physicists BWMC - Health Physics Technicians BWMC - Nuclear Plant Operators	200 00 400 00 120 00	HRS HRS HRS	13106 21080 6451
PO4120	101547	309 BLDG CORRECTIVE MAINTENANCE	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA20 FA20 FA20 BD00 BD00 BD00 FA20 CA40	19100 61900 61900 19100 19100 19100 6 600 19500	10 BR04B BT05B BE10E BF07E CC00B BE05E	Material & Equipment BWMC - Nuclear Plant Operators BWMC - Health Physics Technicians BWMC - Plant Engineers BWMC - Mechanical Engineers DynC Crafts BWMC - Environmental Engineers	5 00 198 00 120 00 225 00 125 00 40 00 30 00	\$ HRS HRS HRS HRS HRS HRS	5994 10644 6324 12947 8993 14359 2201
PO4 30	101547	309 BLDG PREVENTIVE MAINTENANCE	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA10 FA10 EA00 BD00 FA10 LA10	19100 61900 19100 19100 19100 6 600	44 BT05B BE04F BE10F BF07E CC00B	Crane & Rigging Labor & Equipment BWMC - Health Physics Technicians BWMC - Electrical Engineers BWMC - Plant Engineers BWMC - Mechanical Engineers BWMC - Environmental Engineers	6 00 100 00 110 00 225 00 225 00 3 00	\$ HRS HRS HRS HRS HRS	7193 5270 7984 12947 11187 1 4
PO4330	101547	309 BLDG JOB PLANNING AND WORK CONTROL	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA30 EJ00 EJ00 EJ00 EJ00 EJ00	19100 19100 19100 19100 19100 19100	BE13E BE04E BE07E BE10E BE13E BP17E	BWMC - Other Engineers BWMC - Electrical Engineers BWMC - Mechanical Engineers BWMC - Plant Engineers BWMC - Other Engineers BWMC - Other Professionals	208 00 80 00 770 00 603 00 65 00 807 27	HRS HRS HRS HRS HRS HRS	14801 5806 53394 34697 4625 36077 797390

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ADVANCED REACTORS TRANSITION (FY01)
REPORT DATE 04JAN00
RUN NO 3008 32

[illegible]

ADVANCED REACTORS TRANSITION (FY01)
REPORT DATE 04JAN00
RUN NO 3008 32

ACT ID	CACN	ACTIVITY DESCRIPTION				CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST
PP011	101550	CLEANOUT/STABILIZE - PRTR REACTOR CAVITY											
						1B1DOC	GB00	19100	BE12E	BWHC	Safety Engineers	40 00	HRS
						1B1DOC	GB00	19100	BE07E	BWHC	Mechanical Engineers	80 00	HRS
						1B1DOC	GB00	61900	BR04B	BWHC	Nuclear Plant Operators	50 00	HRS
						1B1DOC	GB00	61900	BT05B	BWHC	Health Physics Technici	100 00	HRS
						1B1DOC	GB00	19100	10		Material & Equipment	35 00	\$
						1B1DOC	GB00	19100	BE10E	BWHC	- Plant Engineers	130 00	HRS
						1B1DOC	GB00	65600	CC00B	DynC	- Crafts	80 00	HRS
PP012	101550	WASTE SHIPMENT - PRTR REACTOR CAVITY				1B1DOC	EF00	19100	BE13E	BWHC	- Other Engineers	176 00	HRS
						1B1DOC	EF00	61900	BR05B	BWHC	- Nuclear Waste Process O	400 00	HRS
						1B1DOC	EF00	61900	BT05B	BWHC	- Health Physics Technici	275 00	HRS
						1B1DOC	EF00	19100	44	Crane & Rigging	Labor & Equi	6 00	\$
						1B1DOC	EF00	65600	CC00B	DynC	Crafts	48 00	HRS
						1B1DOC	EF00	65400	CLO7B	DynC	- Light Vehicle Drivers	8 00	HRS
						1B1DOC	EF00	19100	93	Waste Management NM		2 00	\$
						1B1DOC	EF00	19100	54	Solid Waste Disposal		10 00	\$
PP013	101550	CLOSEOUT PRTR REACTOR CAVITY				1B1DOC	AQ31	19100	BE13E	BWHC	- Other Engineers	200 00	HRS
						1B1DOC	AQ31	19100	BP17E	BWHC	- Other Professionals	60 00	HRS

ADVANCED REACTORS TRANSITION (FY01)													
REPORT DATE 04JAN00													
RUN NO 3008 3													
Resource Allocation/Cost by Activity Report													
STABILIZE PRTR FUEL TRANSFER PIT													
ACT ID	CACN	ACTIVITY DESCRIPTION	FUEL TRANSFER	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST		
PP0165	101552	CLEANOUT/STABILIZE FY01 PIT	FUEL TRANSFER	1B1D0E	GB00	19100	BE12E	BWHC Safety Engineers	57 00	HRS	3489		
				1B1D0E	GB00	19100	BE13E	BWHC Other Engineers	142 00	HRS	10105		
				1B1D0E	GB00	61900	BR05B	BWHC - Nuclear Waste Process O	282 00	HRS	15744		
				1B1D0E	GB00	61900	BT05B	BWHC Health Physics Technici	157 00	HRS	8010		
				1B1D0E	GB00	19100	10	Material & Equipment	19 38	\$	23233		
				1B1D0E	GB00	19100	44	Crane & Rigging - Labor & Equi	16 53	\$	19816		
				1B1D0E	GB00	19100	BE07E	BWHC - Mechanical Engineers	114 00	HRS	8201		
				1B1D0E	GB00	19100	BE10E	BWHC - Plant Engineers	123 00	HRS	7077		
PP0170	10152	WASTE SHIPMENT	FUEL TRANSFER PIT	1B1D0E	FF00	19100	BE13E	BWHC - Other Engineers	21 00	HRS	15086		
				1B1D0E	EF00	61900	BR05B	BWHC - Nuclear Waste Process O	258 00	HRS	14404		
				1B1D0E	EF00	61900	BT05B	BWHC - Health Physics Technici	60 00	HRS	3162		
				1B1D0E	EF00	19100	44	Crane & Rigging - Labor & Equi	29 00	\$	34765		
				1B1D0E	EF00	65600	CC00B	Dync Crafts	60 00	HRS	3590		
				1B1D0E	EF00	65400	CL07B	Dync - Light Vehicle Drivers	8 00	HRS	386		
				1B1D0E	EF00	19100	93	Waste Management NW	2 38	\$	2939		
				1B1D0E	EF00	19100	54	Solid Waste Disposal	12 52	\$	15009		
PP0180	101552	CLOSEOUT - FUEL TRANSFER PIT	1B1D0E	AQ31	19100	BE13E	BWHC Other Engineers	360 00	HRS	25618			
			1B1D0E	AQ31	19100	BP17E	BWHC Other Professionals	25 00	HRS	1117			
											---	---	---
													211751

Resource Allocation/Cost by Activity Report
STABILIZE PTR FUEL TRANSFER PIT

ADVANCED REACTORS TRANSITION (FY01)												
REPORT DATE 04JAN00												
RUN NO 3008 32												
Resource Allocation/Cost by Activity Report												
STABILIZE 309 BLDG STACKS AND PITS												
ACT ID	CACN	ACTIVITY DESCRIPTION	CACN	RUDFT COA	PFRF ORG	RFS	RF DESCRIPTION	RUDFT QUANTITY	RFS UNITS	BUDGET COSI		
PP02 9	101554	CHARACTERIZATION - HVAC STACKS AND PITS	1B1D0G	GB00	19100	BE12E	BWHC - Safety Engineers	95 00	HRS	5815		
			1B1D0G	GB00	19100	BE07E	BWHC - Mechanical Engineers	271 00	HRS	19496		
			1B1D0G	GB00	61900	BR05B	BWHC - Nuclear Waste Process O	56 00	HRS	3126		
			1B1D0G	GB00	61900	BT05R	BWHC - Health Physics Technici	163 00	HRS	8 40		
			1B1D0G	GB00	19100	10	M ter l & Equipm nt	1 00		15336		
			1B1D0G	GB00	19100	51	22 Sample Analysis	12 96	\$	2398		
			1B1D0G	GB00	19100	44	Crane & Rugging - Labor & Equi	2 00	\$	10495		
			1B1D0G	GB00	19100	93	Waste Management NW	8 50	HRS	11508		
			1B1D0G	GB00	19100	BE10E	BWHC Plant Engineers	200 00	HRS	3410		
			1B1D0G	GB00	65600	CC00B	DynC Crafts	57 00	HRS	---		

										81670		

ADVANCED REACTOR TRANSITION (FY01)													
REPORT DATE 04JAN00													
RUN NO 3008 3													
Resource Allocation/Cost by Activity Report													
FACILITY DOCUMENT UPDATES													
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORC	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST			
PP0340	101555	Facility Transition File Input	1B1D0H	AQ31	19100	BE07E	BWMC - Mechanical Engineers	80 00	HRS	5755			
			1B1D0H	AQ31	19100	BP17E	BWMC - Other Professionals	163 00	HRS	7284			
PP0380	101555	Facility Drawing Updates	1B1D0H	GB00	19100	BE07E	BWMC - Mechanical Engineers	340 00	HRS	24460			
			1B1D0H	GB00	19100	94	FD Northwest	11 48	\$	14450			
													51950

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Resource Allocation/Cost by Activity Report
REMOVE & SHIP 337 CONTROLS & PIPING

[illegible]

Resource Allocation/Cost by Activity Report
COMPLETE OPTIONS FOR NON RAD

[illegible]

Resource Allocation/Cost by Activity Report
CLEAN 3718-M STORAGE TANK

[illegible]

ACTIVITY	ACTIVITY DESCRIPTION
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[illegible]

PO 530	101547	309 BLDG ENVIRONMENTAL COMPLIANCE	1B1D01 1B1D01	CA40 CA40	19100 19500	BE07E BE05E	BWHC BWHC	Mechanical Engineers Environmental Engineers	80 00 80 00	HRS HRS	1 5 5869
P03130	101547	309 BLDG BUILDING OPERATIONS SURVEILLANCE	1B1D01 1B1D01 1B1D01	EB00 EB00 CB10	19100 19100 61900	BE10E BE07E BR04B	BWHC BWHC BWHC	Plant Engineers Mechanical Engineers Nuclear Plant Operators	130 00 120 00 470 00	HRS HRS HRS	7480 8633 25267
P03230	101547	309 BLDG HEALTH PHYSICS SURVEILLANCE	1B1D01 1B1D01 1B1D01	CB10 CB10 CB10	19600 61900 61900	BP08E BT05B BR04B	BWHC BWHC BWHC	Health Physicists Health Physics Technici Nuclear Plant Operators	200 00 400 00 120 00	HRS HRS HRS	13106 21080 6451
P04130	101547	309 BLDG CORRECTIVE MAINTENANCE	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA 0 FA 0 FA20 BD00 BD00 FA20 CA40	19100 61900 61900 19100 19100 65600 19500	10 BR04B BT05B BF10E BE07E CC00B BE05E	Material & Equipment BWHC - Nuclear Plant Operators BWHC - Health Physics Technici BWHC - Plant Engineers BWHC Mechanical Engineers DynC Crafts BWHC Environmental Engineers	5 00 198 00 120 00 225 00 125 00 240 00 30 00	\$ HRS HRS HRS HRS HRS HRS	5994 10644 6324 12947 8993 14359 01	
P04 40	101547	309 BLDG PREVENTIVE MAINTENANCE	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA10 FA10 FA00 BD00 FA10 FA10	19100 61900 19100 19100 19100 65400	44 BT05B BF04E BE10E BE07E CL07B	Crane & Rigging - Labor & Equi BWHC - Health Physics Technici BWHC Electrical Engineers BWHC - Plant Engineers BWHC - Mechanical Engineers DynC - Light Vehicle Drivers	6 00 100 00 110 00 2 00 225 00 32 00	\$ HRS HR HRS HRS HRS	7193 5 70 79H4 1 947 16187 1542	
P04340	101547	309 BLDG JOB PLANNING AND WORK CONTROL	1B1D01 1B1D01 1B1D01 1B1D01 1B1D01 1B1D01	FA30 EJ00 EJ00 EJ00 EJ00 EJ00	19100 19100 19100 19100 19100 19100	BE13E BE04E BE07E BE10E BE13E BP17E	BWHC - Other Engineers BWHC - Electrical Engineers BWHC - Mechanical Engineers BWHC - Plant Engineers BWHC - Other Engineers BWHC - Other Professionals	208 00 80 00 770 00 603 00 65 00 807 27	HRS HRS HRS HRS HRS HRS	14801 5806 55394 34697 4625 36077 797390	

ADVANCED REACTORS TRANSITION (FY02)

REPORT DATE 04JAN00
RUN NO 3008 33

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ADVANCED REACTORS TRANSITION (FY02)
REPORT DATE 04JAN00
RUN NO 3008 33

[illegible]

ADVANCED REACTORS TRANSITION (FY03)
REPORT DATE 04JAN00
RUN NO 3008 36

Resource Allocation/Cost by Activity Report
309 BUILDING FACILITY

ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST
PO1170	101547	309 BLDG MANAGEMENT AND SUPPORT	FY03							
				1B1D01	A010	19100	BG04N BWHC - Secretaries	230 00	HRS	6994
				1B1D01	AA30	19800	BM02E BWHC - Managers & Executives	350 00	HRS	30006
PO1172	101547	309 BLDG MANAGEMENT AND SUPPORT	FY03							
				1B1D01	AA30	19600	BM02E BWHC - Managers & Executives	324 00	HRS	27777
				1B1D01	A010	19600	BG02N BWHC - Office Clerks (General)	100 00	HRS	2767
PO1174	101547	309 BLDG MANAGEMENT AND SUPPORT	FY03							
				1B1D01	AH10	19800	BM02E BWHC - Managers & Executives	40 00	HRS	3429
				1B1D01	AA30	19500	BM02E BWHC - Managers & Executives	100 00	HRS	8573
				1B1D01	A010	19500	BG02N BWHC - Office Clerks (General)	0 00	HRS	0
PO 40	101547	309 BLDG TRAINING								
				1B1D01	AH50	19100	41 Training Services	5 00	\$	994
				1B1D01	AH50	19100	BE07E BWHC - Mechanical Engineers	80 00	HRS	5755
				1B1D01	AH50	19100	BE10E BWHC - Plant Engineers	80 00	HRS	4603
				1B1D01	AH50	19600	BP08E BWHC - Health Physicists	40 00	HRS	2621
				1B1D01	AH50	61900	BT05B BWHC - Health Physics Technicians	60 00	HRS	3162
				1B1D01	AH50	61900	BR04B BWHC - Nuclear Plant Operators	60 00	HRS	3276
				1B1D01	AH70	19800	BP15E BWHC - Trainers & Instructors	50 00	HRS	863
PO1340	101 47	309 BLDG BASELINE CONTROL/PBS/MYPP								
				1B1D01	AQ00	19100	BE07E BWHC - Mechanical Engineers	160 00	HRS	11510
				1B1D01	AQ00	19100	BP01E BWHC - Accountants & Auditors	720 00	HRS	3990
PO1440	101547	309 BLDG UTILITIES AND ASSESSEMENTS								
				1B1D01	FE00	19100	5E BPA Redistribution	8 40	\$	10070
				1B1D01	A0 0	19100	10 Waste Management NW	3 00	\$	3704
				1B1D01	A020	19100	4V Material & Equipment	11 96	\$	14338
				1B1D01	AA40	19100	71M Fleet	3 00	\$	3596
				1B1D01	BC40	19100	94 PHMC Fee	95 00	\$	95000
				1B1D01	CB10	19100	3D FD Northwest	19 50	\$	24545
				1B1D01	FF10	19100	23 Other Hanford Contractors	7 20	\$	8631
				1B1D01	EA00	19100	23 Misc Purchased Services (Taxe	7 90	\$	9471
				1B1D01	EA00	19100	23 Misc Purchased Services (Taxe	8 25	\$	9890
				1B1D01	A020	65F00	23 Misc Purchased Services (Taxe	16 25	\$	19481
PO2240	101547	309 BLDG PROCEDURE PREPERATION AND MAINT								
				1B1D01	AJ70	19100	97 Lockheed Martin Services Inc	2 00	\$	2494
				1B1D01	BC10	19100	BE10E BWHC - Plant Engineers	50 00	HRS	7877
				1B1D01	BC10	19100	BE07E BWHC - Mechanical Engineers	100 00	HRS	7194
PO 340	101547	309 BLDG INDEPENDENT OVERSITE								
				1B1D01	AL20	19500	BE11E BWHC - Quality Control Engineer	40 00	HRS	2723
				1B1D01	CB70	19500	BE12E BWHC - Safety Engineers	140 00	HRS	8569
				1B1D01	CB20	19500	BP09F BWHC - Industrial Hygienists	40 00	HRS	2 0
				1B1D01	CB30	19500	BE13E BWHC - Other Engineers	40 00	HRS	846
PO 440	101547	309 BLDG MANAGEMENT ASSESSEMENTS								
				1B1D01	AK10	19500	BE12E BWHC - Safety Engineers	40 00	HRS	2448
				1B1D01	AK10	19500	BE05E BWHC - Environmental Engineers	80 00	HRS	5869
				1B1D01	AK10	14500	BE11E BWHC - Quality Control Engin	80 00	HRS	446
				1B1D01	AK10	19600	BP08E BWHC - Health Physicists	120 00	HRS	7864

ADVANCED REACTORS TRANSITION (FY03)
REPORT DATE 04JAN00
RUN NO 3008 36

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Resource Allocation/Cost by Activity Report
REMOVE & SHIP 337 CONTROLS & PIPING

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ADVANCED REACTORS TRANSITION (FY01)
REPORT DATE 04JAN00
RUN NO 3008 45

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ADVANCED REACTORS TRANSITION (FY01)												
REPORT DATE 04JAN00												
RUN NO 3008 45												
Resource Allocation/Cost by Activity Report												
NE LEGACY SUPPORT												
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST		
LE0200	101546	FY 2004 NE LEGACIES NA DISPOSITION PRJ SUPP	1B1C25	AQ31	18200	BE07E	BWHC - Mechanical Engineers	1742 00	HRS	125319		
			1B1C25	AQ31	18200	BE12E	BWHC - Safety Engineers	20 00	HRS	1224		
			1B1C25	AQ31	18800	BP09E	BWHC - Industrial Hygienists	20 00	HRS	1275		
			1B1C25	AQ31	18700	BP15E	BWHC - Trainers & Instructors	40 00	HRS	2290		
			1B1C25	AQ31	4H700	HE05E	FDH Environmental Engineers	20 00	HRS	1199		
			1B1C25	AQ31	18700	94	FD Northwest	9 58	\$	12059		
										143366		
										988542		

FFTF (FY00)
REPORT DATE 04JAN00
RUN NO 3008 46

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Resource Allocation/Cost by Activity Report									
STANDBY PROJECT SUPPORT									
FFTF (FY00)									
REPORT DATE 04JAN00									
RUN NO 3008 46									
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	BUDGET RES UNITS COST
JP0012	101561	FY00 PLANT DIRECTOR S OFFICE	1B1000	AA10	18000	BM02E	BWMC Managers & Executives	2254 00	HRS 188637
			1B1000	AA10	18000	2T	Travel Expense	10 00	\$ 11912
			1B1000	AA10	18000	BG04N	BWMC Secretaries	1805 00	HRS 53572
SP0032	101561	FY00 GENERAL FINANCIAL MANAGEMENT	1B1000	AC20	11200	BP01E	BWMC Accountants & Auditors	1805 00	HRS 97651
			1B1000	AC20	18000	21	FO Contracts	80 00	\$ 95295
			1B1000	AC20	18000	41	Training Services	0 40	\$ 476
			1B1000	AC20	11200	BM03E	BWMC - Project & Program Manag	1805 00	HRS 149165
			1B1000	AA30	18700	BT03N	BWMC - Engineering Technicians	1808 00	HRS 71109
SP0042	101561	FY00 PROJECT OFFICE	1B1000	AA20	41500	HM03E	FDH - Project & Program Mgrs	1353 00	HRS 113138
			1B1000	AA20	18000	3D	Other Hanford Contractors	294 00	\$ 350210
			1B1000	AA20	18000	2T	Travel Expense	10 00	\$ 11912
			1B1000	AA20	18000	94	FD Northwest	15 10	\$ 18527
SP0058	101561	MIGRATION OF FFTF COMPUTER CODES	1B1000	AJ20	18000	94	FD Northwest	11 13	\$ 13656
									1175260

FFTF (FY00)
REPORT DATE 04JAN00
RUN NO 3008 46

ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGFT COST
SS0085	10156	FY00 RISK ANALYSIS & A PSMENI	1B101	AG80	64P00	PW01F	PTH - First Line Supervisors	181 00	HRS	1004
			1B1015	AG80	64P00	PW02E	PTH - Managers & Executives	362 00	HRS	32761
			1B1015	AG80	64P00	PW06E	PTH - Computer System Analysts	362 00	HRS	29829
			1B1015	AG40	64P00	PW07B	PTH - Instrument & Control Tec	181 00	HRS	10996
			1B1015	AG 0	18000	?1	PO Contracts	2 00	\$	238
SS0062	10156	FY00 PATROL POOL	1B1015	AG10	11000	5P	Patrol Pool	3273 00	\$	3898765
			1B1015	AG10	11000	5P	Patrol Pool	17 35	\$	20667
			1B1015	AG60	64P00	PPI4E	PTH Safeguards & Security Sp	452 00	HRS	26899
			1B1015	AG 0	64P00	PS09E	PTH Other Scientists	434 00	HRS	34998
			1B1015	AG20	18000	?1	PO Contracts	25 00	\$	29780
			1B1015	AG 0	64P00	1P	P Card Purchases	1 00	\$	1191
SS0115	10156	FY00 SAS PHYSICAL SECURITY	1B1015	AG20	64P00	PPI4E	PTH - Safeguards & Security Sp	1084 00	HRS	64509
			1B1015	AG20	64P00	PW02E	PTH - Managers & Executives	180 00	HRS	16290
			1B1015	AG20	64P00	PG02N	PTH - Office Clerks (General)	180 00	HRS	6253
			1B1015	AG20	64P00	PC01B	PTH - Electricians	1446 00	HRS	87845
			1B1015	AG20	64P00	PW07B	PTH - Instrument & Control Tec	1988 00	HRS	120771
			1B1015	AG20	64P00	PE10E	PTH - plant Engineers	180 00	HRS	11750
SS0175	101562	FY00 SAS TECHNICAL SECURITY	1B1015	AG20	64P00	?0	Material & Equipment	20 00	\$	23824
			1B1015	AG40	64P00	41	Training Services	5 00	\$	5956

Resource Allocation/Cost by Activity Report									
SPARE PARTS INVENTORY CHANGE									

ACT	CACN	ACTIVITY	CAPN	BUDGET	PERF	RES	RES	BUDGET	BUDGET
ID		DESCRIPTION		COA	ORG		DESCRIPTION	QUANTITY	COST

SK0020	101563	FY00 SPARE PARTS INVENTORY CHANGE	1B130K	FA20	11200	10	Material & Equipment	125 00	\$ 148899

									148899

FFTF (FY00)
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FFTF (FY00)
REPORT DATE 04JAN00
RUN NO 3004 46

Resource Allocation/Cost by Activity Report
OPERATION MGMT & SUPPORT

ACT ID	CALN	ACTIVITY DESCRIPTION	SAFETY	OM/ASM	CREW	CALN	COA	ILRL ORG	RI	DESCRIPTION	BUDJ I QUANTITY	RE UNITS	BUDJ I COST
SA0012	101565	FY00 OPS STAFF MPET AY00				1B1010	AY10	18100	BE01E	BWHC - Chemical Engineers	40 00	HRS	2706
						1B1010	AY10	18100	BE04E	BWHC - Electrical Engineers	40 00	HRS	2834
						1B1010	AY10	18100	BE07E	BWHC - Mechanical Engineers	120 00	HRS	8428
						1B1010	AY10	18800	BF06F	BWHC - Nuclear Engineers	40 00	HRS	718
						1B1010	AY10	18100	BE10E	BWHC - Plant Engineers	520 00	HRS	29208
						1B1010	AY10	19100	BE13E	BWHC - Other Engineers	200 00	HRS	13894
						1B1010	AY10	18100	BM02E	BWHC - Managers & Executives	436 00	HRS	36489
						1B1010	AY10	18100	BR04N	BWHC - Nuclear Plant Operators	800 00	HRS	41688
						1B1010	AY10	19100	BG04N	Secretaries	20 00	HRS	594
SA00	101565	FY00 OPS MANAGEMENT DIRECTION AA30				1B1010	A010	19100	BG04N	Secretaries	1765 00	HRS	22385
						1B1010	AA30	18100	BM02E	BWHC - Managers & Executives	9900 00	HRS	828531
						1B1010	AA30	18100	BE07E	BWHC - Mechanical Engineers	257 00	HRS	18049
						1B1010	AA30	18800	BE08E	BWHC - Nuclear Engineers	457 00	HRS	31620
						1B1010	AA30	18100	BE10E	BWHC - Plant Engineers	257 00	HRS	14436
						1B1010	AA30	19100	BE13E	BWHC - Other Engineers	514 00	HRS	35709
SA0034	101565	FY00 OPS TRAINING IMPLEMENTATION AH30				1B1010	AH30	18100	BE01E	BWHC - Chemical Engineers	60 00	HRS	4059
						1B1010	AH30	18100	BE04E	BWHC - Electrical Engineers	85 00	HRS	6023
						1B1010	AH30	18100	BE07E	BWHC - Mechanical Engineers	656 00	HRS	46071
						1B1010	AH30	18800	BE08E	BWHC - Nuclear Engineers	567 00	HRS	39731
						1B1010	AH30	18100	BE10E	BWHC - Plant Engineers	3970 00	HRS	222995
						1B1010	AH30	19100	BE13E	BWHC - Other Engineers	958 00	HRS	66552
						1B1010	AH30	18100	BM07E	BWHC - Managers & Executives	755 00	HRS	63186
						1B1010	AH30	18100	BR04N	BWHC - Nuclear Plant Operators	17178 00	HRS	89 146
						1B1010	AH30	18100	BR042	BWHC - Nuclear Plant Operator	467 00	HRS	26843
						1B1010	AH30	19100	BG04N	Secretaries	13 00	HRS	386
SA00 4	101 65	FY00 OPS TRAINING ATTENDANCE AH 0				1B1010	AH50	18100	BE01E	BWHC - Chemical Engineers	125 00	HRS	8456
						1B1010	AH50	18100	BE04E	BWHC - Electrical Engineers	125 00	HRS	8858
						1B1010	AH50	61800	BE07E	BWHC - Mechanical Engineers	375 00	HRS	26336
						1B1010	AH50	18800	BE08F	BWHC - Nuclear Engineers	125 00	HRS	8649
						1B1010	AH50	18100	BE10E	BWHC - Plant Engineers	1625 00	HRS	91276
						1B1010	AH50	19100	BE13E	BWHC - Other Engineers	675 00	HRS	43419
						1B1010	AH50	18100	BM02E	BWHC - Managers & Executives	875 00	HRS	73229
						1B1010	AH50	18100	BR04N	BWHC - Nuclear Plant Operators	2800 00	HRS	145908
						1B1010	AH50	19100	BG04N	Secretaries	11 00	HRS	326
						1B1010	AH50	18100	41	Training Services	40 00	\$	47648
SA0064	101565	FY00 GENERAL PROCESS/PLANT OPERATIONS EA00				1B1010	EA00	18100	1P	P Card Purchases	11 50	\$	13699
						1B1010	EA00	18100	4V	Fleet	50 00	\$	59560
						1B1010	EA00	18100	10	Material & Equipment	16 80	\$	001
						1B1010	EA00	18100	94	td Northwest	1 50	\$	1840
						1B1010	EA00	61800	BE01E	BWHC - Chemical Engineers	90 00	HRS	19619
						1B1010	EA00	61800	BE04E	BWHC - Electrical Engineers	15 00	HRS	1063
						1B1010	EA00	18100	BE07E	BWHC - Mechanical Engineers	55 00	HRS	3863

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FFTE (FY00)
REPORT DATE 04JAN00
RUN NO 3008 46

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FFTF (FY00)
REPORT DATE 04JAN00
RUN NO 3008 46

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FFTF (FY00)
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Resource Allocation/Cost by Activity Report									
POLLUTION PREVENTION SUPPORT									
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS COST
SC102	101573	FY00 POLLUTION PREVENTION	181372	CA10	18710	BE10E	BWHC Plant Engineers	181 00	HRS 10167

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Resource Allocation/Cost by Activity Report									
WASTE DISPOSAL									
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORC	RES	RES DESCRIPTION	BUDGET QUANTITY	BUDGET COST
C 0	101 1	FY00 WASTE DISPOSAL 1 T QTR	1B157	CA30	18700	10	Material & Equipment	0 41	\$ 488
			1B157	CA30	18700	1P	P Card Purchases	0 41	\$ 488
			1B157	CA30	18700	54	Solid Waste Disposal	2 20	\$ 261
			1B157	CA30	18700	5B	Offsite Hazardous Waste	1 10	\$ 1310
			1B157	CA30	18700	93	Waste Management NW	2 10	\$ 2544
SC 2	101575	FY00 WASTE DISPOSAL 2ND QTR	1B1572	CA30	18710	BE10E	BWMC - Plant Engineers	20 00	HRS 1123
			1B1572	CA30	18700	10	Material & Equipment	0 41	\$ 488
			1B1572	CA30	18700	1P	P Card Purchases	0 41	\$ 488
			1B1572	CA30	18700	54	Solid Waste Disposal	2 0	\$ 2621
			1B1572	CA30	18700	5B	Offsite Hazardous Waste	1 10	\$ 1310
SC 4	1015	FY00 WASTE DISPOSAL 3RD QTR	1B1572	CA30	18700	93	Waste Management NW	2 10	\$ 2544
			1B1572	CA30	18710	BE10E	BWMC - Plant Engineers	20 00	HRS 1123
			1B1572	CA30	18700	10	Material & Equipment	0 41	\$ 488
			1B1572	CA30	18700	1P	P Card Purchases	0 41	\$ 488
			1B1572	CA30	18700	54	Solid Waste Disposal	2 20	\$ 2621
SC 6	101 7	FY00 WASTE DISPOSAL 4TH QTR	1B1572	CA30	18700	5B	Offsite Hazardous Waste	1 10	\$ 1310
			1B1572	CA30	18700	93	Waste Management NW	2 10	\$ 2544
			1B1572	CA30	18710	BE10E	BWMC - Plant Engineers	20 00	HRS 1123
			1B157	CA30	18700	54	Solid Waste Disposal	2 20	\$ 671
			1B1572	CA30	18700	5B	Offsite Hazardous Waste	1 10	\$ 1310
			1B1572	CA30	18700	93	Waste Management NW	2 10	\$ 544
			1B1572	CA30	18710	BE10E	BWMC - Plant Engineers	20 00	HRS 1123
			1B1572	CA30	18700	10	Material & Equipment	0 41	\$ 488
			1B1572	CA30	18700	1P	P Card Purchases	0 41	\$ 488
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Resource Allocation/Cost by Activity Report												
ENGINEERING MGMT SUPPORT												
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST		
A2012	101578	FY00 ART ENG MGT & ADMINISTRATION	1B130A	AA30	18200	BM02E	BWMC Managers & Executives	1715 00	HRS	143528		
			1B130A	AA30	18200	2T	Travel Expense	0 01	\$	12		
			1B130A	AO10	18200	BG04N	Secretaries	1715 00	HRS	50901		
			1B130A	B000	18200	BE01E	BWMC Chemical Engineers	822 00	HRS	55608		
			1B130A	B000	18200	10	Material & Equipment	5 00	\$	5956		
			1B130A	B000	18200	94	FD Northwest	5 00	\$	6135		
A2040	101578	FY00 ART ENGINEERING MGT TRAINING	1B130A	AH50	18 00	41	Training Services	5 00	\$	5956		
			1B130A	AH50	18200	BM02E	BWMC Managers & Executives	90 00	HRS	7532		
			1B130A	AH50	18200	BG04N	BWMC - Secretaries	90 00	HRS	2671		
			1B130A	AH50	18200	BE01E	BWMC - Chemical Engineers	90 00	HRS	6089		
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ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	BUDGET COST
SN044	101585	FFTF PM s 4E/P	OCT	SEP FY00					
					FA10	18400	BE11E BWHC	Quality Control Engineer	957 00 HRS
					FA10	61800	BC01B BWHC	Electricians	1696 00 HRS
					FA10	61800	BC06B BWHC	Millwrights	845 00 HRS
					FA10	61800	BC08B BWHC	Plumbers & Pipefitters	618 00 HRS
					FA10	61800	BC09B BWHC	Structural & Metal Work	43 00 HRS
					FA10	61800	BC07B BWHC	Light Vehicle Driver	1 00 HRS
					FA10	61800	BC07B BWHC	Utilities System Operat	1020 00 HRS
					FA10	61800	BC07B BWHC	Instrument & Control Te	4772 00 HRS
					FA10	65500	CC10B Dync	Vehicle & Equip Mechan	67 00 HRS
					FA10	61800	BC03B BWHC	Material Moving Equip O	43 00 HRS
					FA10	6 600	CC01B Dync	Electricians	1 80 00 HRS
SN0562	101585	LANDLORD PM s 4L/P	OCT	SEP FY00					
					FA10	61800	BC02B BWHC	Electricians	537 00 HRS
					FA10	61800	BC08B BWHC	Plumbers & Pipefitter	373 00 HRS
					FA10	61800	BC07B BWHC	Structural & Metal Work	1 00 HRS
					FA10	61800	BC07B BWHC	Light Vehicle Drivers	56 00 HRS
					FA10	61800	BC01B BWHC	Utilities System Operat	51 00 HRS
					FA10	61800	BC01B BWHC	Carpenters	27 00 HRS
					FA10	61800	BC06B BWHC	Millwrights	42 00 HRS
					FA10	65100	SC09B DyFabSe	Structural & Metal W	1100 00 HRS
					FA10	65800	IC02B DyInSe	Electricians	20 00 HRS
SN0682	101585	MASF PM s 4M/P	OCT	SEP FY00					
					FA10	61800	BC02B BWHC	Electricians	220 00 HRS
					FA10	61800	BC06B BWHC	Millwrights	265 00 HRS
					FA10	61800	BC08B BWHC	Plumbers & Pipefitters	32 00 HRS
					FA10	61800	BC09B BWHC	Structural & Metal Work	38 00 HRS
					FA10	61800	BC03B BWHC	Material Moving Equip O	21 00 HRS
					FA10	61800	BC07B BWHC	Instrument & Control Te	46 00 HRS
SN072	101585	PM MATERIAL BUDGET FY00			FA10	18600	10	Material & Equipment	25 00 \$
SN0732	101585	FY00 GENERAL MAINTENANCE							
					B000	18600	BM02E BWHC	Managers & Executives	5145 00 HRS
					B000	18600	BE10E BWHC	Plant Engineers	6084 00 HRS
					B000	18600	BG01N BWHC	Office Clerks (General)	2700 00 HRS
					B000	18600	BG03B BWHC	Office Clerks (Special)	5950 00 HRS
					B000	18600	IL03B DyInSe	Janitors & Cleaners	7220 00 HRS
					B000	18600	IL03B BWHC	Light Vehicle Drivers	3007 00 HRS
					B000	18600	BC03B BWHC	Material Moving Equip O	1740 00 HRS
					B000	18600	BC09B BWHC	Structural & Metal Work	317 00 HRS
					B000	65600	CC07B Dync	Painters	1000 00 HRS
					B000	65100	CC04B Dync	Machinists	800 00 HRS
					B000	65600	CC12B Dync	Other Crafts	600 00 HRS
SN0742	101585	FY00 MAINTENANCE TRAINING ATTENDANCE							
					AH50	18600	BE10E BWHC	Plant Engineers	1398 00 HRS
					AH50	18600	BG02N BWHC	Office Clerks (General)	15 00 HRS
					AH50	18600	BP07E BWHC	Planner/Scheduler/Estim	90 00 HRS

SN0756	1015R5	FY00 CORRECTIVE MAINTENANCE 1ST PERIOD	1B1060	AH50	18600	BC03B	BWHC	Office Clerks (Special)	360 00	HRS	1 692
			1B1060	AH50	61800	BL07B	BWHC	Light Vehicle Drivers	542 00	HRS	22509
			1B1060	AH50	61800	BC09B	BWHC	Structural & Metal Work	455 00	HRS	23291
			1B1060	AH50	61800	BC02B	BWHC	Electricians	710 00	HRS	38898
			1B1060	AH 0	61800	BT07B	BWHC	Instrument & Control	4 00	HRS	29718
			1B1060	AH50	61800	BC06B	BWHC	Millwrights	542 00	HRS	27913
			1B1060	AH50	61800	BC08B	BWHC	Plumbers & Pipefitters	542 00	HRS	27946
			1B1060	AH50	61800	BC01B	BWHC	Carpenters	90 00	HRS	4518
			1B1060	AH50	61800	BM01F	BWHC	First Line Supervisors	450 00	HRS	27657
			1B1060	AH50	18600	BM07E	BWHC	Managers & Executives	40 00	HRS	37661
			1B1060	AH50	18600	41	Training Services		50 00	\$	59560
			1B1060	FA 0	61800	BL07B	BWHC	Light Vehicle Drivers	1745 00	HRS	72470
			1B1060	FA 0	61800	BC09B	BWHC	Structural & Metal Work	1100 00	HRS	56309
			1B1060	FA20	61800	BC02B	BWHC	Electricians	3975 00	HRS	217552
			1B1060	FA20	61800	BT07B	BWHC	Instrument & Control Te	1538 00	HRS	84329
			1B1060	FA20	61800	BC06B	BWHC	Millwrights	3022 00	HRS	155633
			1B1060	FA20	65100	CC11B	Dync	Welders	300 00	HRS	17688
			1B1060	FA20	61800	BC01B	BWHC	Carpenters	550 00	HRS	27610
			1B1060	FA20	18400	BE11E	BWHC	Quality Control Engineer	231 00	HRS	15350
			1B1060	FA 0	18600	BC08B	BWHC	Plumbers & Pipefitters	2460 00	HRS	126838
			1B1060	FA20	65600	CT11N	Dync	Other Technicians	25 00	HRS	1411
			1B1060	FA20	61800	BL07B	BWHC	Light Vehicle Drivers	1745 00	HRS	72470
			1B1060	FA20	61800	BC09B	BWHC	Structural & Metal Work	1100 00	HRS	56309
			1B1060	FA20	61800	BC02B	BWHC	Electricians	3809 00	HRS	208467
			1B1060	FA20	61800	BT07B	BWHC	Instrument & Control Te	1328 00	HRS	72814
			1B1060	FA20	61800	BC06B	BWHC	Millwrights	2163 00	HRS	111395
			1B1060	FA20	61800	BC08B	BWHC	Plumbers & Pipefitters	2460 00	HRS	126838
			1B1060	FA20	61800	BC01B	BWHC	Carpenters	570 00	HRS	28614
			1B1060	FA20	65100	CC11B	Dync	Welders	300 00	HRS	17688
			1B1060	FA20	18400	BE11E	BWHC	Quality Control Engineer	232 00	HRS	15416
			1B1060	FA20	65600	CT11N	Dync	Other Technicians	25 00	HRS	1411
SN0758	1015R5	FY00 CORRECTIVE MAINTENANCE ND PERIOD	1B1060	FA20	61800	BL07B	BWHC	Light Vehicle Drivers	1745 00	HRS	72470
			1B1060	FA20	61800	BC09B	BWHC	Structural & Metal Work	1100 00	HRS	56309
			1B1060	FA20	61800	BC02B	BWHC	Electricians	3809 00	HRS	208467
			1B1060	FA20	61800	BT07B	BWHC	Instrument & Control Te	1328 00	HRS	72814
			1B1060	FA20	61800	BC06B	BWHC	Millwrights	2163 00	HRS	111395
			1B1060	FA20	61800	BC08B	BWHC	Plumbers & Pipefitters	2460 00	HRS	126838
			1B1060	FA20	61800	BC01B	BWHC	Carpenters	570 00	HRS	28614
			1B1060	FA20	65100	CC11B	Dync	Welders	300 00	HRS	17688
			1B1060	FA20	18400	BE11E	BWHC	Quality Control Engineer	232 00	HRS	15416
			1B1060	FA20	65600	CT11N	Dync	Other Technicians	25 00	HRS	1411

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SNO75A	101585	FY00 CORRECTIVE MAINTENANCE 3RD PERIOD	1B1060	FA20	61800	BC06B	BWHC	Mallwrights	2163 00	HRS	111395		
			1B1060	FA20	61800	BC08B	BWHC	Plumbers & Pipefitters	2460 00	HRS	126838		
			1B1060	FA20	61800	BC01B	BWHC	- Carpenters	570 00	HRS	28614		
			1B1060	FA20	65100	CC11B	DynC	Welders	300 00	HRS	17688		
			1B1060	FA20	61800	BL07B	BWHC	- Light Vehicle Drivers	1745 00	HRS	72470		
			1B1060	FA20	61800	BC09B	BWHC	Structural & Metal Work	1100 00	HRS	56309		
			1B1060	FA20	61800	BC02B	BWHC	Electricians	3809 00	HRS	208467		
			1B1060	FA20	61800	BT07B	BWHC	Instrument & Control Te	1329 00	HRS	7 869		
			1B1060	FA20	18400	BELLE	BWHC	Quality Control Engineer	23 00	HRS	15416		
SNO761	101585	FY00 CORRECTIVE MAINT MATERIALS & CONTRACTS	1B1060	1A 0	6 600	CT11N	DynC	Offr Technicians	5 00	HR	1411		
			1B1060	FA20	18600	10	Material & Equipment	100 00	\$	119119			
			1B1060	FA20	18600	4V	Fleet	100 00	\$	119119			
			1B1060	FA20	18600	94	FD Northwest	1 00	\$	1227			
			1B1060	FA20	18600	97	Lockheed Martin Services	Inc	0 0	\$	256		
			1B1060	FA 0	18600	1P	P Card Purchases	300 00	\$	357357			
			1B1060	FA 0	18600	2I	PO Contracts	341 50	\$	406791			
			1B1060	FA20	18600	23	Misc Purchased Services (Taxe	6 00	\$	7147			
			1B1060	FA20	18600	44	Crane & Rigging Labor & Equi	30 00	\$	35736			
SNO768	10158	FY00 MAINT FIELD SUPERVISION AND PIC ACT	1B1060	FA20	18600	45	Engr Testing - 305 & 306 Bldgs	7 00	\$	8338			
			1B1060	FA20	18600	5V	Fleet Maintenance	20 00	\$	23824			
			1B1060	AJ40	18600	2I	PO Contracts	8 50	\$	10125			
			1B1060	BD00	18600	BM01E	BWHC - First Line Supervisors	6778 00	HRS	416576			
			1B1060	BD00	18600	BM02E	BWHC - Managers & Executives	1715 00	HRS	143528			
			1B1060	BD00	18600	BE10E	BWHC - Plant Engineers	9337 00	HRS	524459			
			1B1060	FA30	18600	BE10E	BWHC - Plant Engineers	8480 00	HRS	4763 2			
			1B1060	FA30	18600	BF07E	BWHC Planner/Scheduler/Estim	1715 00	HRS	8959			
			1B1060	FA30	18600	BG02N	Office Clerks (General)	900 00	HRS	24318			
SNO778	10158	FY00 WORK CONTROL CENTER	1B1060	FA30	18600	BM02E	BWHC Managers & Executives	1807 00	HRS	151228			
			1B1060	FA30	18600	2I	PO Contracts	75 00	\$	89339			
			1B1060	FA10	18600	93	Waste Management NW	48 00	\$	58149			
			1B1060	FA20	18600	2I	PO Contracts	25 00	\$	29780			
			1B1060	FA20	18600	10	Material & Equipment	34 00	\$	40500			
			SNO796	101585	FY00 FFTF PEST CONTROL	1B1060	FA10	18600	93	Waste Management NW	48 00	\$	58149
						1B1060	FA20	18600	2I	PO Contracts	25 00	\$	29780
						1B1060	FA20	18600	10	Material & Equipment	34 00	\$	40500
			SNO820	101585	FY00 BACK-FLOW PREVENTER MAINTENANCE	1B1060	FA20	18600	21	PO Contracts	25 00	\$	29780
SNO830	101585	FY00 PROCURE SPARE MHTS PUMP OIL SEALS	1B1060	FA20	18600	10	Material & Equipment	34 00	\$	40500			

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Resource Allocation/Cost by Activity Report												
CLEM UPGRADE SUPPORT												
ACT ID	CACN	ACTIVITY DESCRIPTION	CAPN	BUDGET COA	PERF ORG	RES	RES DESCRIPTION	BUDGET QUANTITY	RES UNITS	BUDGET COST		
DE 0 0	101590	CLEM SOFTWARE DESIGN & VERIFICATION	1B1077	BA30	18200	BE04E	BWHC - Electrical Engineers	968 00	HRS	68592		
			1B10 7	BA30	18200	BE07E	Mechanical Engineers	120 00	HRS	8478		
			1B1077	BA30	61800	BT02N	Drafters	160 00	HRS	93 7		
			1B10 7	BA30	18200	BM0 F	Managers & Executives	120 00	HRS	10043		
			1B10 7	BA30	18800	BE08E	Nuclear Engineers	1 0 00	HRS	8303		
			1B1027	BA30	18400	BE11E	Quality Control Engineers	120 00	HRS	7974		
DE2030	101590	CLEM - WORK PKG & PROCEDURE PREPARATION	1B1077	BA32	18200	BE07E	Mechanical Engineers	110 00	HRS	7725		
			1B10 7	BA32	18 00	BE04E	BWHC - Electrical Engineers	460 00	HRS	32596		
DE2040	101590	CLEM - ACCEPTANCE TESTING	1B1077	BA50	18200	BE04E	BWHC - Electrical Engineers	1600 00	HRS	113376		
			1B1027	BA50	18200	BE07E	Mechanical Engineers	280 00	HRS	19664		
			1B1027	BA50	18200	BE10E	Plant Engineers	100 00	HRS	5617		
			1B1027	FA21	61800	BC02B	Electricians	350 00	HRS	19156		
			1B1027	FA21	61800	BT07B	Instrument & Control Te	350 00	HRS	19191		
			1B1077	AF20	18200	10	Material & Equipment	10 00	\$	11912		
DE 060	101590	CLEM OPERATIONAL READINESS	1B1077	EA10	18200	BE04E	BWHC Electrical Engineers	280 00	HRS	19841		
			1B1027	EA10	18200	BE07E	Mechanical Engineers	100 00	HRS	7023		
			1B1027	EA10	18200	BT02N	Drafters	200 00	HRS	11696		
			1B1027	EA10	18200	BM02E	Managers & Executives	100 00	HRS	8369		
			1B1027	EA10	18400	BE11E	Quality Control Engineers	80 00	HRS	5316		
			1B1027	EA10	18800	BE08E	Nuclear Engineers	80 00	HRS	5535		
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